



**TOMINGLEY**

**GOLD OPERATIONS PTY LTD**

(A wholly owned subsidiary of Alkane Resources Ltd)

ABN 53 149 040 371



# Tomingley Gold Extension Project

## Biophysical Strategic Agricultural Land Assessment

### Part 7b

Major Project Application No. PA 09\_0155



*Prepared by*



*Sustainable Soils Management Pty Ltd*

**December 2021**

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## **Tomingley Gold Extension Project**



## **BSAL Assessment**

Prepared by  
**SUSTAINABLE SOILS MANAGEMENT PTY LTD**

December, 2021



## BSAL ASSESSMENT

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## EXECUTIVE SUMMARY

Tomingley Gold Operations plan to develop the Tomingley Gold Extension Project (TGE), which is an 880 ha southward extension of the existing Tomingley Gold Operations Mine Site to encompass the San Antonio and Roswell prospects.

This report provides supporting information for an application for a “Gateway Certificate” as specified in Clause 50A of the Environmental Planning and Assessment Regulations (2000).

In this report the proposed Mine Site is described as the Gateway Certificate Application Area. The Gateway Certificate Application Area and a 100 m buffer except in existing Mine Leases (130 ha) is described as the 1,010 ha Biophysical Strategic Agricultural Land (BSAL) Assessment Area. Soil and land in BSAL Assessments Area was assessed against the “Interim Protocol for Site Verification and Mapping of Biophysical Strategic Agricultural Land” (OEH and OASFS, 2013).

In the first step of BSAL assessment, rainfall records from Peak Hill Post Office (BOM Station 050031) showed that annual rain exceeded 350 mm in 116 of 128 years from 1891 to 2018 (9.06 years out of 10). This is classified as reliable rainfall and triggered the requirement of a soil survey.

The soil survey was conducted by accredited soil scientists Dr Robert Banks of SoilFutures and Dr Pat Hulme of Sustainable Soil Management (SSM). Both Dr Banks and Dr Hulme are Certified Professional Soil Scientists (CPSS) with PhDs in Soil Science.

The soil assessment was based on; detailed descriptions of soil properties at 45 sites which were supported by observations at 9 exclusion sites, a DualEM21HS survey, a review of publicly available regolith, soil, geology and land shape data and correlations between landscape, vegetation and soil properties observed in the field.

The soil assessment mapped the Gateway Certificate Application Area as 3 major Soil Mapping Units and a small Disturbed soil map unit. Soil properties were:

- **Chromosol** BSAL map unit covering 385 ha that was mapped predominantly in the southern half of the BSAL Assessment Area, but included 2 small patches in the northern half. This unit was characterised by deep, red, non-saline, non-sodic soil with loam topsoil over clay subsoil.
- **Gilgai** non-BSAL map unit covering 306 ha predominantly north of the centre of the BSAL Assessment Area. This unit was characterised by saline, sodic, poorly drained clay soil with deep gilgai.
- **Sodosol** non-BSAL map unit covering 306 ha that was predominantly in the north and central east of the BSAL Assessment Area. The Sodosol had loam topsoil over clayey subsoil which has low salinity, but was sodic. The sodic subsoil was associated with poor drainage.
- **Disturbed** non-BSAL map unit covering 13 ha near the northern extremity of the BSAL Assessment Area.

In summary, 373 ha or 38% of the BSAL Assessment Area satisfies the BSAL criteria.

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## 1. INTRODUCTION

### 1.1. Scope

Tomingley Gold Operations Pty Ltd (“the Proponent”, ABN 53 149 040 371), a 100% wholly owned subsidiary of Alkane Resources Ltd (Alkane), is seeking approval for the Tomingley Gold Extension Project (“the Project”). The Project involves extending the boundary of the existing Tomingley Gold Operations Mine Site (TGO Mine Site) to allow expansion of the mine to permit mining of the San Antonio and Roswell prospects, located approximately 4 km south of Tomingley in the Central West of NSW (Figure 1.1).

The Project is classified as a State Significant Development (SSD) in accordance with Clause 5(1)(c) (mining) of Schedule 1 of State Environmental Planning Policy (State and Regional Development) 2011 (State and Regional Development SEPP) because the Capital Investment Value would be more than \$30 million.

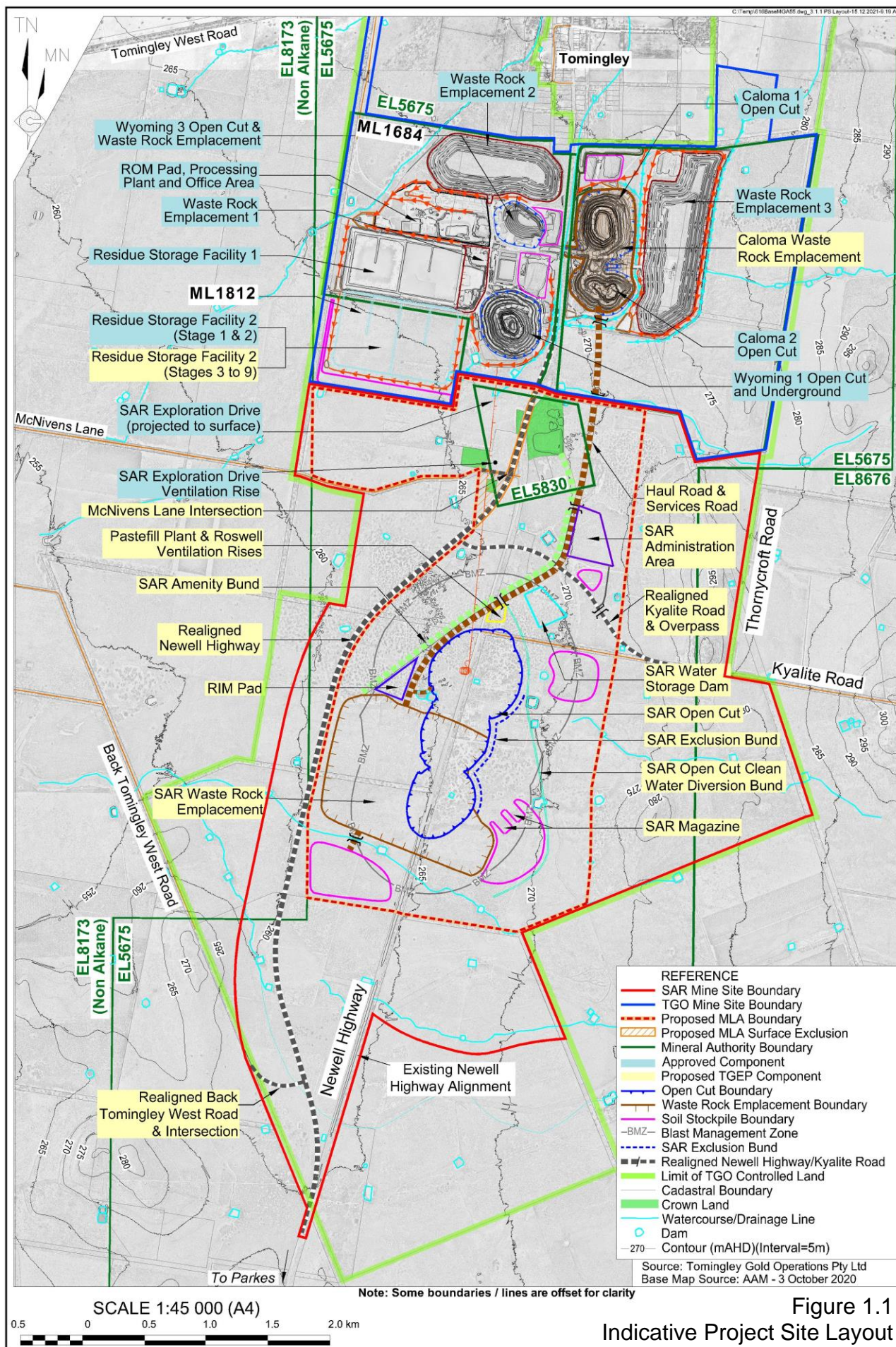
As the Project is a mining development within the meaning of Part 4AA of the State Environmental Planning Policy (Mining, Petroleum and Extractive Industries) 2007, Clause 50A of the Environmental Planning and Assessment Regulation 2000 requires that the development application be accompanied by either:

- a “Gateway Certificate”, where the development occurs on land which meets the requirements of Biophysical Strategic Agricultural Land (BSAL); or
- a “Site Verification Certificate” that certifies that the land on which the proposed development is to be carried out is not Biophysical Strategic Agricultural Land.

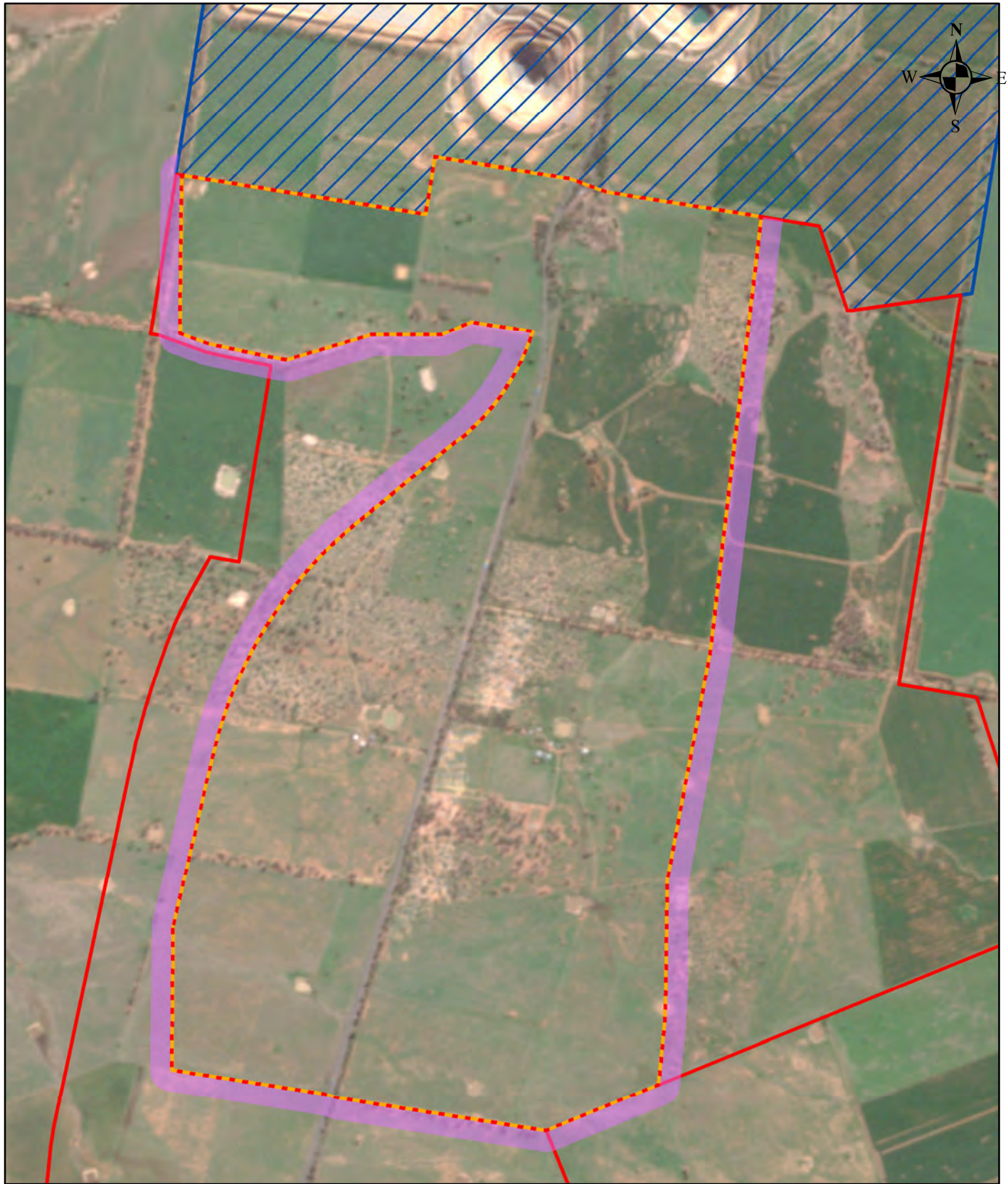
The Proponent is seeking a Gateway Certificate for the land over which the new Mining Lease will be required for the Project (“the Gateway Certificate Application Area”) and a 100 m buffer, as illustrated in Figure 1.2. Collectively, the Gateway Certificate Application Area and the 100m buffer are referred to as the BSAL Assessment Area.

As such, this report has been prepared to support an application for a Gateway Certificate to the Department of Planning Infrastructure and Environment (DPIE) and has been prepared in accordance with the requirements of the Interim Protocol for Site Verification and Mapping of Biophysical Strategic Agricultural Land (OEH & OASFS, 2013).

The Proponent commissioned SSM to conduct an on-site soil survey within an area incorporating the BSAL Assessment Area. SSM engaged SoilFutures Consulting Pty Ltd to conduct a Biophysical Strategic Agricultural Land (BSAL) assessment within the BSAL Assessment Area.



**Figure 1.1**  
**Indicative Project Site Layout**



#### Legend

##### BSAL Assessment

- Gateway Certificate Application Area
- 100 m buffer

##### MineSiteBoundary

- SAR Mine Site
- TGO Mine Site

SCALE 1:25,000 (A4)

500 250 0 500 Metres



Projection: UTM

Project Area: RW Corkery

Topography: NSW Spatial Services

**Figure 1.2. BSAL Assessment Area and Sentinel satellite image on 5/8/2020**

## **1.2. Terminology**

The following terms are used in this report and accompanying figures:

- Gateway Certificate Application Area – this is the Mining Lease Application area for the Project, and therefore the area to which this Gateway Certificate application relates.
- 100 m Buffer – is a 100 m wide strip of land around the outside of the Gateway Certificate Application Area, other than adjoining land subject to existing Mining Leases.
- BSAL Assessment Area – the combined Gateway Certificate Application Area and 100m buffer.

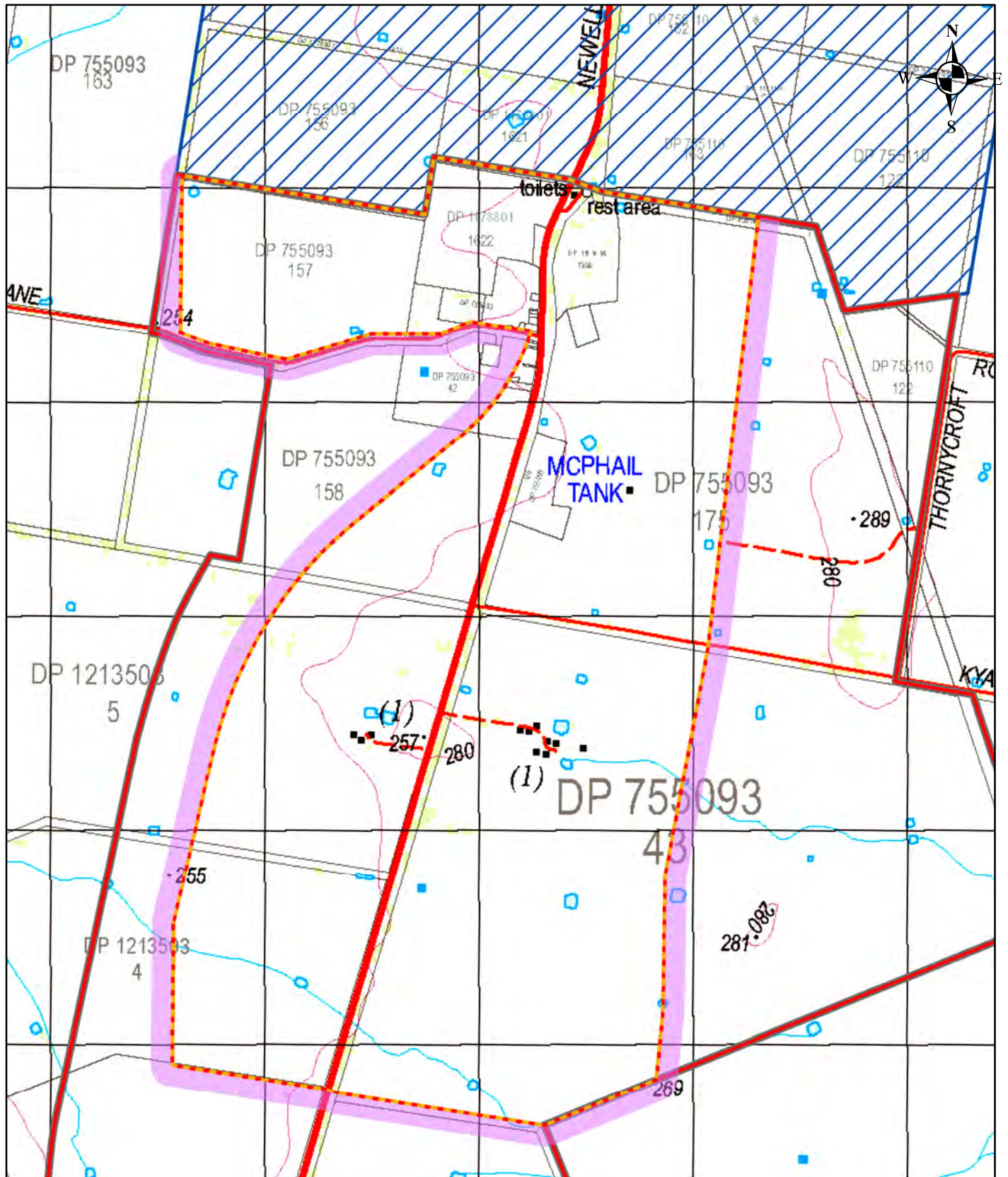
## **2. OVERVIEW OF THE BSAL ASSESSMENT AREA**

The BSAL Assessment Area occupies 1,010 ha located between Tomingley and Peak Hill and on both sides of the Newell Highway (Figure 1.2). The extent of the BSAL Assessment Area is described in Section 5.1.

The BSAL Assessment Area includes no outcropping bedrock formations, however there are small outcrops of Ordovician-Silurian Cotton Formation with sandstones and siltstones and quartz veins (Sherwin, 1996) to the east and the south west of the BSAL Assessment Area. These small outcrops have low-angled footslopes which come into the edges of the BSAL Assessment Area. Further to the east is a range of hills in Goobang National Park which rise to over 700 m elevation.

The bulk of the BSAL Assessment Area is covered in Mesozoic alluvium and colluvium derived from the geological complex of the main range to the east. This has been covered with Quaternary to recent alluvium and partially stripped in places. It is likely that the small Ordovician outcrops to the east and south west of the BSAL Assessment Area were once covered in this colluvial fill material. During field work for this study, deep red coloured aeolian sediments were found in some locations on top of the generally alluvial sediments forming very low (< 1 m high) broad rises in the landscape. The combined depth of the various alluvia range from < 1 m to in > 60 m over vertically dipping volcanic complexes in the region (Roach, 2007; Sherwin, 1996).

The resulting landscape is a relatively level to very gently undulating series of broad stagnant alluvial plains. Within this complex are smaller alluvial fan systems as well as footslopes from adjacent low rises. The nature of the plains reflect original sediment sources in the fold belt, as well as some aeolian additions, and in some cases, the proximity of subcrop. Landform elements in the BSAL Assessment Area include shallow (< 1 m deep) broad drainage depressions, plains, prior streams and swamp complexes on slightly raised lands dominated by melonhole gilgai.



#### Legend

##### BSAL Assessment

- Application Area Gateway Certificate
- 100 m buffer

##### MineSiteBoundary

- SAR Mine Site
- TGO Mine Site

- M1 A32 B72 Route marker: Motorway, National Route
- Major road: paved (with State Route), unpaved
- Secondary road: paved, unpaved
- Vehicular track: Stock grid.
- Water tank or reservoir. Ground tank or dam
- Ancillary contour. Spot height
- Woodland: 20-50% crown cover. Pine forest
- Intermittent stream, with waterfall
- Mainly dry stream. Perennial stream
- Cadastral deposited plan, lot number
- Cadastral

SCALE 1:25,000 (A4)

500 250 0 500 Metres



Projection: UTM

Project Area: RW Corkery

Topography: NSW Spatial Services

Figure 2.1. BSAL Assessment Area Base Map

### **3. REVIEW OF EXISTING INFORMATION**

An array of spatial information was available for the BSAL Assessment Area. The spatial data had variable on ground precision and ranged in scale of mapping from 1:250 000 to 1:25 000 or greater.

#### **3.1. BSAL Assessment Area**

Available digital mapping for the BSAL Assessment Area were compiled in an ArcGIS database. The broader scale mapping provided some useful information on the BSAL Assessment Area, although the accuracy of units delineated on the ground was usually poor. Information sources and their relative relevance to the study are summarised in Table 3.1.

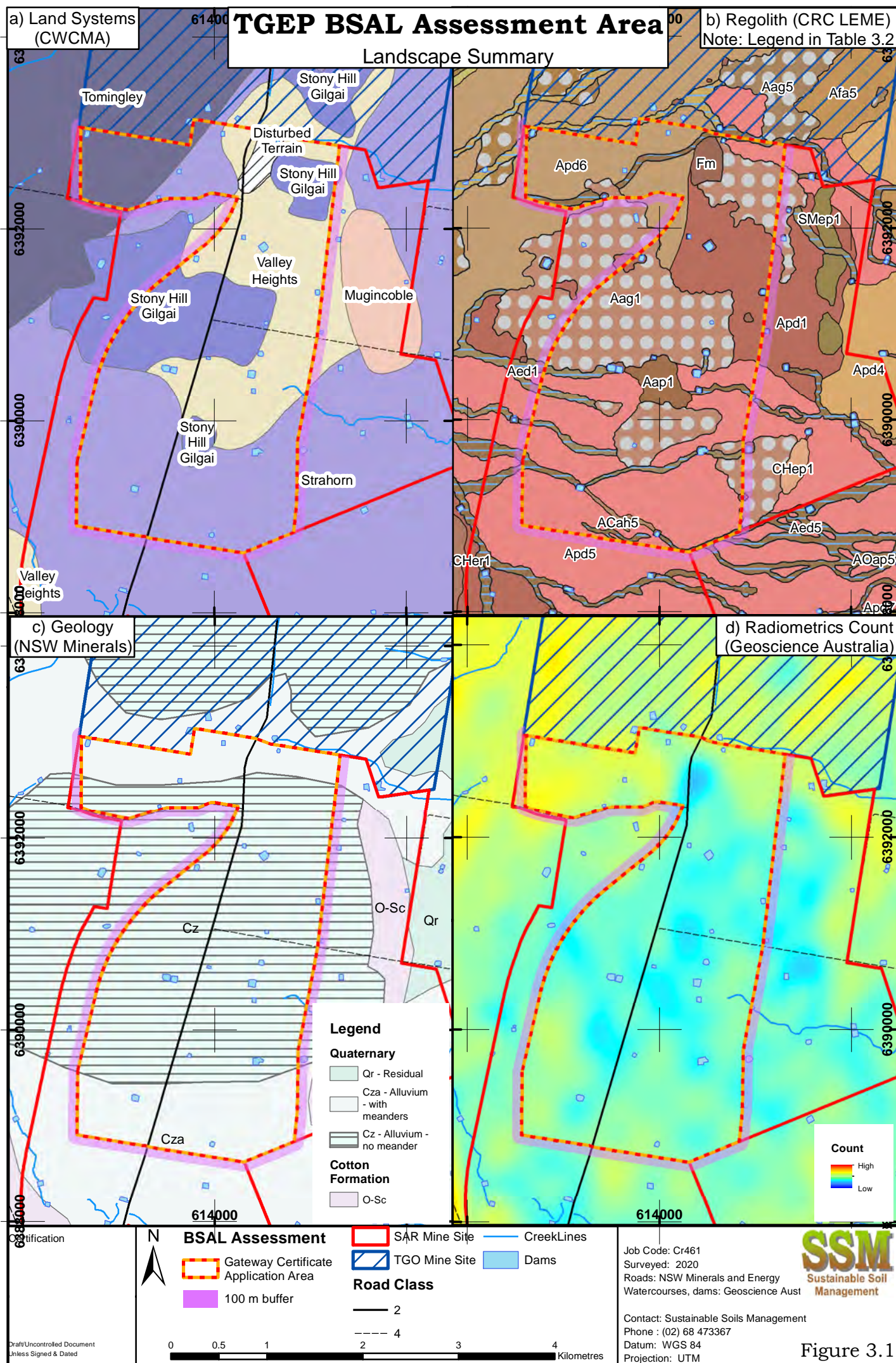
The maps provided below in Figure 3.1a-d show a) Land Systems, b) Regolith Mapping Units, c) Geology and d) Airborne Gamma Radiometrics. Figure 3.2a-d shows a) Digital Elevation Model (DEM), b) Slope, c) Electromagnetic (EM) Survey and d) Change in conductivity with depth from EM Survey.

The 1:25 000 Regolith Mapping Units (RMU's) of Roach (2007) provided detailed and accurate landform element and soil sub-landscape scale polygon descriptions within the BSAL Assessment Area (Figure 3.1b, Table 3.2). The RMUs were used as a base map, and further modified using radiometrics data (Figure 3.1d), EM survey (Figure 3.2c-d) and field traverse during dominant soil type mapping. The resulting dominant soil map produced was used for the final BSAL assessment of the BSAL Assessment Area in Section 5.

**Table 3.1.** Sources of information.

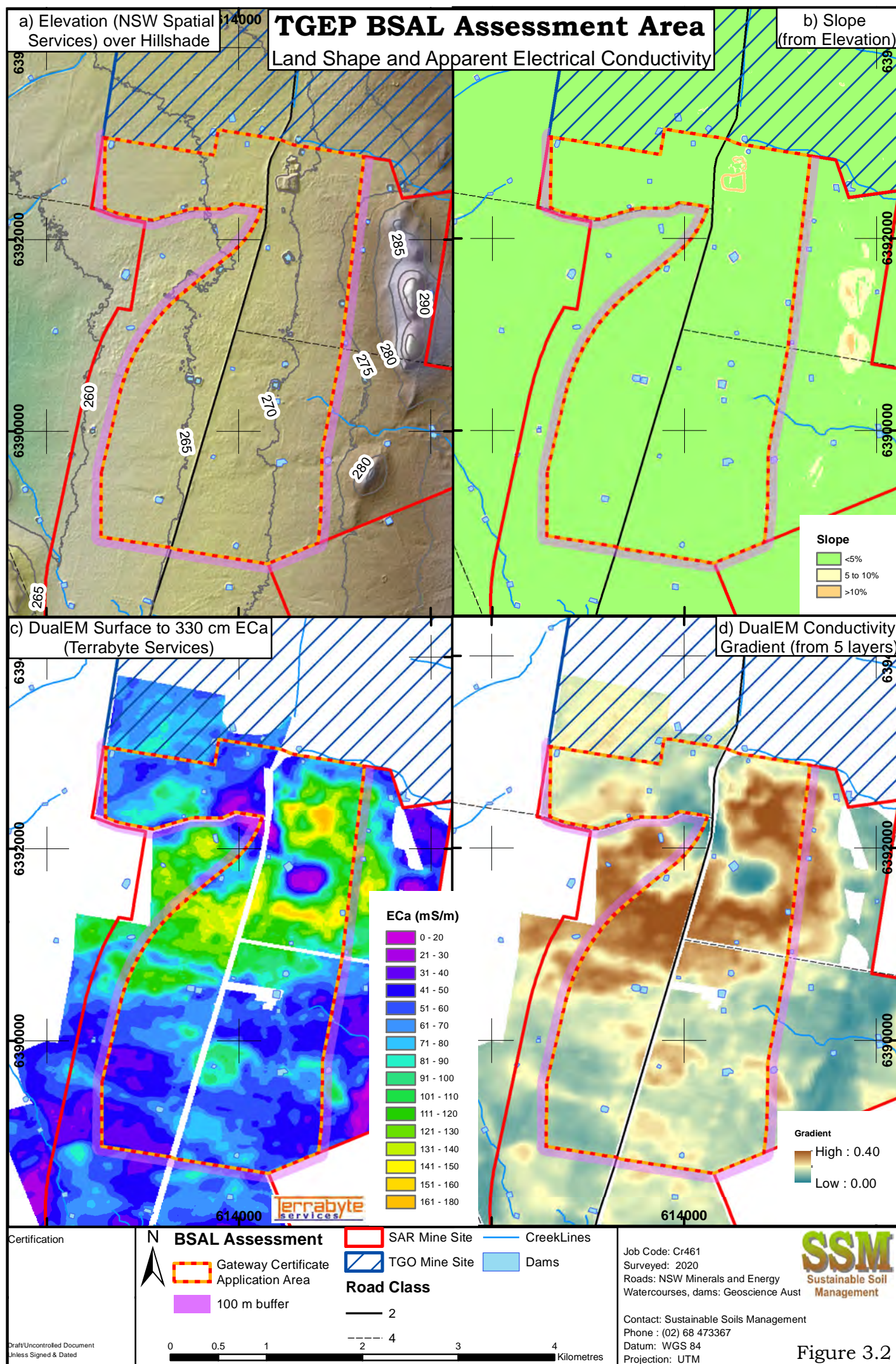
Spatial Information Source	Description	Use <sup>1</sup>
Land Systems (CWCMA) 1:250 000. Compiled from Unpublished soil landscape reports (Figure 3.1a)	Broad soil and vegetation landscape units. Mapping does not generally represent well what is on the ground.	3
Tomingley 1:25 000 Regolith-Landforms Map, Central Western New South Wales (Roach, 2007). CRCLEME (Figure 3.1b)	Highly detailed mapping of surface and geomorphic elements of regolith. Covers whole BSAL Assessment Area and is mostly accurate on ground. Identifies alluvial units and geological source material for each unit. Map Units are described in Table 3.2 below.	1
Narromine 1:250 000 geological sheet (Sherwin, 1996). (Figure 3.1c)	Identifies outcropping hard rock units surrounding the BSAL Assessment Area. The BSAL Assessment Area is mapped as Cainozoic Alluvium with and without.	2
Gamma Radiometrics total count imagery (Geoscience Australia). (Figure 3.1d)	Shows some areas of very low total count which possibly indicate underlying subcrop. No clear map unit definition for the purposes of this study	2
Elevation Map (Dept. Spatial Services) with hillshade. (Figure 3.2a)	Simply shows most of the BSAL Assessment Area as sloping east to west, but provides high definition boundary for disturbed terrain area.	2
Slope (from Dept. Spatial Services elevation). (Figure 3.2b)	The slope of the whole BSAL Assessment Area is <5%, which is useful in the BSAL assessment process (OEH, 2013 p.5)	2
Dual EM Surface to 330 cm ECa (Terrabyte Services, 2020). (Figure 3.2c, d).	The EM imagery was conducted onsite for the purposes of this study. The EM indicated that there were areas of high apparent electrical conductivity (ECa) that coincide with some areas mapped as gilgai regolith (Figure 3.1b). There are patches of very low ECa (purple) near the centre north of the BSAL Assessment Area that may indicate subcropping rock that is not mapped in Figure 3.1b. There are linear structures within the broad areas of moderately low ECa in the north and south of the BSAL Assessment Area that are likely to coincide with drainage lines.	1
Sentinel satellite image (ESA, 5/8/20). (Figure 1.2).	Shows that surface of the BSAL Assessment Area is relatively uniform with some variation parallel to drainage lines.	1
Existing BSAL Land in NSW (Dept. Planning, 2017). (Figure 3.3)	Shows the extent of regionally mapped BSAL within NSW determined by DPI&E (2014) from soil and land properties mapped by the former Office of Environment and Heritage (OEH).	1
Reliable Rainfall in NSW Map. DPI Office of Water (2014). (Figure 5.1)	BSAL procedural map showing the area of NSW which has >350 mm rainfall in 90% of years.	1

**Note 1- Use categories:** 1. Detailed map used in construction of BSAL mapping units or required as part of BSAL Assessment process. 2. Descriptive mapping useful in understanding terrain and geology features as well as delineating detail and boundary formation of part of BSAL mapping units. 3. Useful background information with some data that can be used in BSAL mapping.



**Table 3.2.** RLU codes used on the Tomingley 1:25,000 regolith-landforms map and their explanations (Roach, 2007).

RLU codes for regolith materials depicted here are:		RLU codes for landforms used here are:		RLU modifier codes used here reflect bedrock lithologies or regolith material sources are:	
A	Alluvial sediments	ag	alluvial plain with gilgai	1	Cotton Formation (O-Sc)
AC	Alluvial channel sediments		depressions		sandstones and siltstones
		ah	alluvial channel	2	Mugincoble Chert (Om)
AO	Alluvial overbank sediments	ap	alluvial plain (with numerous small drainage depressions)	3	Goonumbla Volcanics (Obv)
C	Colluvial sediments			4	Mumbidgle Formation (Sfm, Sfv)
CH	Colluvial sheetflow sediments	aw	alluvial swamp		
		ed	erosional drainage depression	5	Dulladerry Volcanics (Dds, Ddr, Ddc)
F	Fill				
SM	Moderately weathered bedrock (saprolite)	ep	erosional plain (0-9 m relief)	6	Obley Granite (Dog)
SS	Slightly weathered bedrock (saprock)	er	erosional rise (9-30 m relief)	7	Hervey Group (Dh)
		el	erosional low hill (30-90 m relief)		
		fa	alluvial fan		
		m	man-made		
		pd	depositional plain (with no significant drainage depressions)		

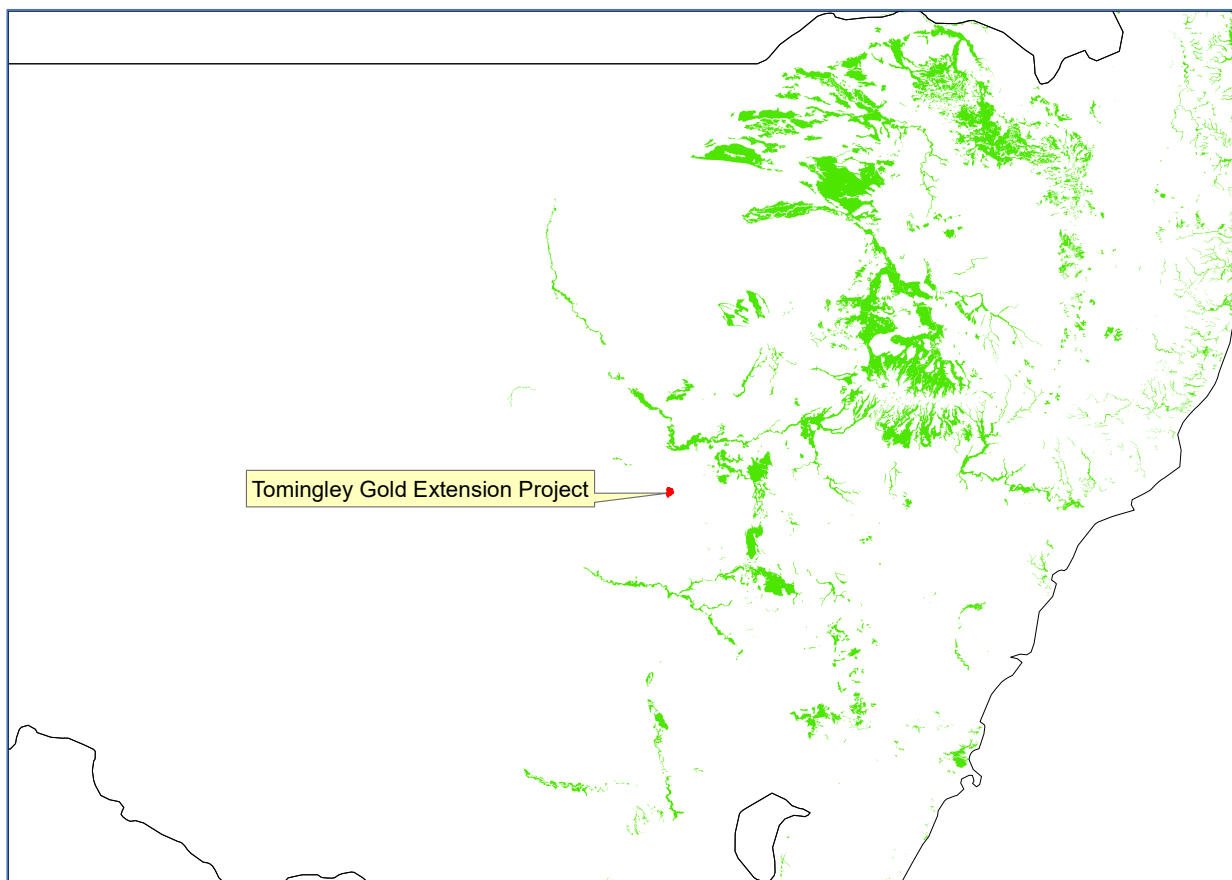


### 3.2. *E-Spade soil profile database*

The E-spade database was examined for background soil profile and spatial information on the BSAL Assessment Area (<https://www.environment.nsw.gov.au/eSpade2WebApp>, accessed 19/06/2020).

There were no existing described soil profiles within the BSAL Assessment Area. Maps available from E-spade included hydrogeological landscapes which appeared to have no reflection of on ground landscapes or processes, presumably because of the scale of mapping. An examination of the general modelled soil fertility map of NSW within E-spade showed the BSAL Assessment Area to be dominated by moderate fertility soils, but also to have polygons that were not reflected on the ground.

No part of the BSAL Assessment Area is currently mapped as BSAL according to the DPI&E (2014), (Figure 3.3).



**Figure 3.3.** Extent of BSAL mapped in NSW. Downloaded from: <https://datasets.seed.nsw.gov.au/dataset/srlup-salbiophysical> on 19/6/2017.

## **4. DESCRIPTION OF BSAL VERIFICATION PROCESS**

### **4.1. Overview**

The State Environmental Planning Policy (Mining, Petroleum Production and Extractive Industries) 2007 (the Mining SEPP) requires certain types of developments to establish or verify if a proposed site is located on BSAL. BSAL is described as land with a rare combination of natural resources (i.e., reliable water source, medium to high fertility), which renders it as being highly suitable for agriculture as it is naturally capable of sustaining high levels of productivity whilst requiring minimal management practices to maintain this high quality.

The basis for BSAL assessment, mapping and verification is the 'Interim Protocol for site verification and mapping of biophysical strategic agricultural land', prepared by the Office of Environment & Heritage and the Office of Agricultural Sustainability & Food Security (OAS&FS) in 2013, referred to as OEH and OASFS (2013) or the Interim Protocol in this report. The Interim Protocol prescribes how proponents and landholders identify BSAL. It outlines the technical requirements and provides a stepwise process to establish whether or not land is BSAL.

Key standards used in this process are:

- Interim Protocol for Site Verification and Mapping of Biophysical Strategic Agricultural Land (OEH and OASFS, 2013);
- The Australian Soil Classification (ASC) (Isbell and NCST, 2016);
- Australian Soil and Land Survey Field Handbook (NCST, 2009); and
- Presentation of maps at 1:25,000 scale.

### **4.2. Description of Steps**

The purpose of this assessment is to determine if parts of the BSAL Assessment Area satisfy the BSAL criteria. The BSAL assessment follows 4 Key Steps (shown below), which are initial steps in an elimination process. Simplest criteria are assessed first to avoid more costly assessments if a site can be easily discounted as BSAL. Key Step 3 is a 12-step assessment of soil information, which again is an elimination process. If any one of the assessment criteria cannot be verified, the site is not BSAL.

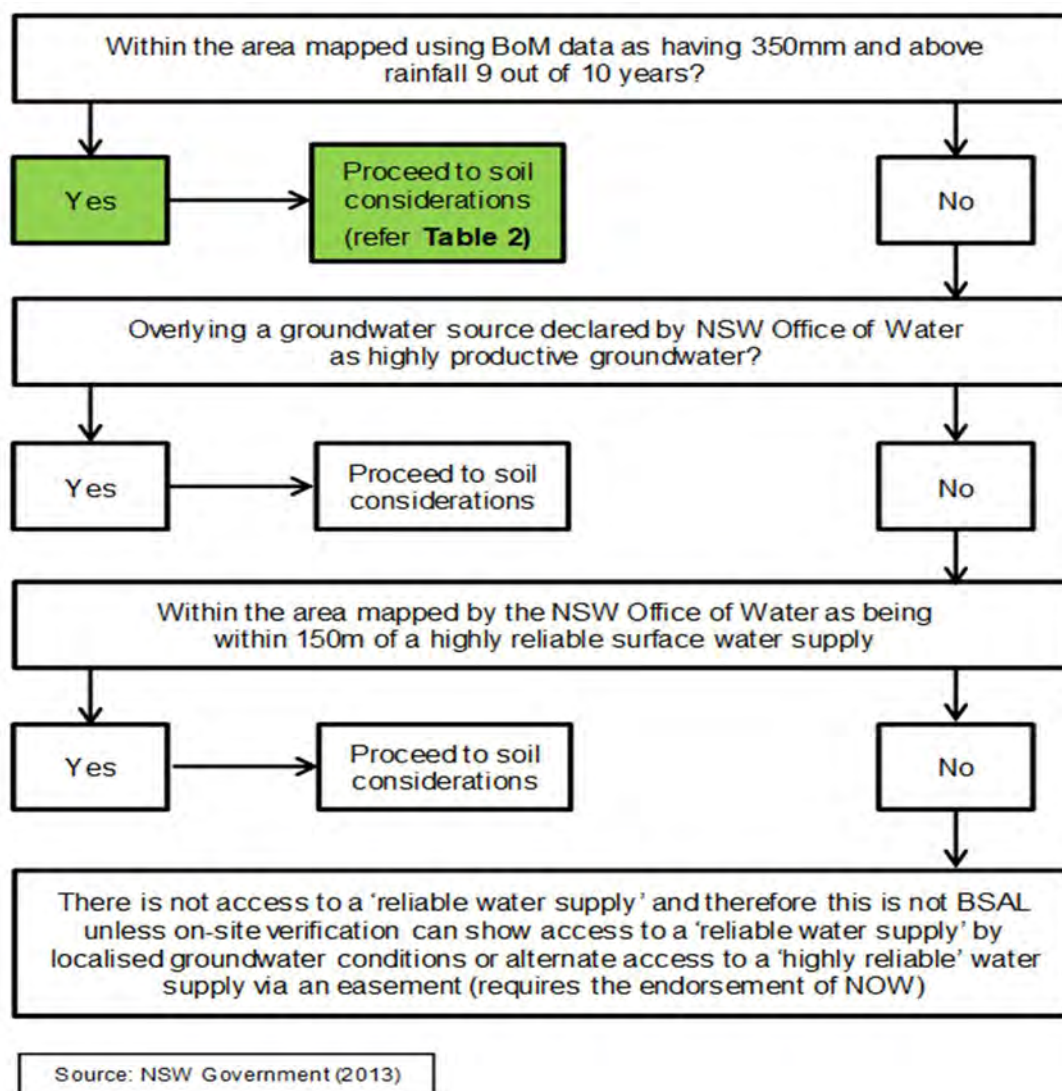
The 4 Key Steps are:

1. Identification of the project area, in this case the BSAL Assessment Area to be assessed for BSAL. This includes a minimum of a 100 m buffer zone around the Gateway Certificate Application Area to account for minor changes, disturbances, or extensions (Figure 2.1)
2. Confirm access to a reliable water supply. Figure 4.1 shows the flow chart used to verify water reliability.
3. Choose the appropriate approach to map the soils information. The minimum area for BSAL is 20 ha. Access to the project area and buffer zones determine how soils information is derived. If the proponent does not have access, then the proponent should develop a model of soils distribution using information provided in the Interim Protocol. In this case, access was possible across the entire BSAL Assessment Area so that on-site soil assessments were

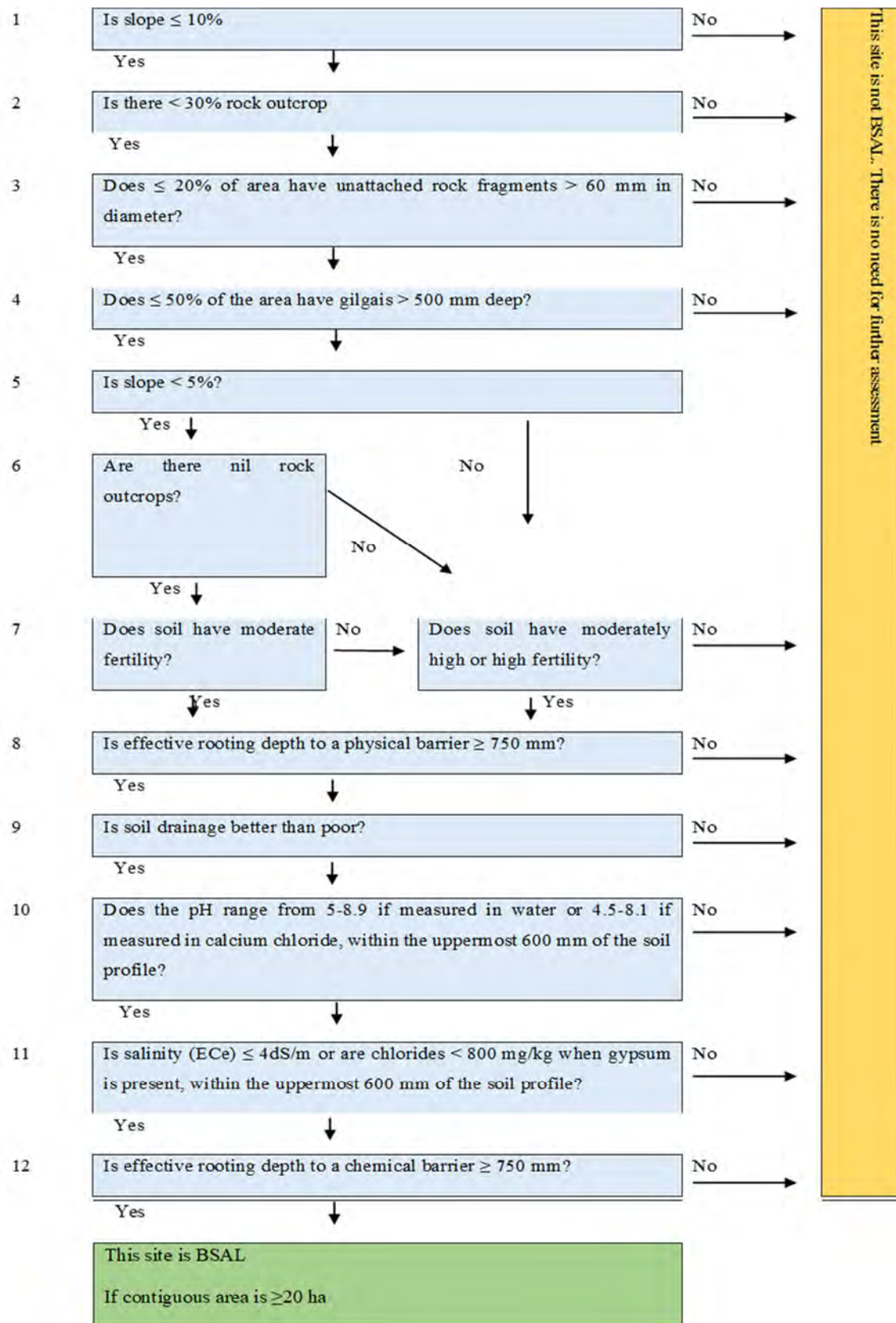
undertaken. The 12-step BSAL assessment process is shown in the flow chart in Figure 4.2.

Relevant information for soil survey includes:

- estimate of BSAL criteria for slope, rockiness, and gilgais;
  - available soils datasets;
  - geology extrapolated to identify parent material;
  - local knowledge;
  - vegetation;
  - aerial photography;
  - other remotely-sensed resources (e.g., EM, LIDAR); and
  - soils assessment of nearby accessible sites of similar landscape.
4. Risk assessment – determines sampling density. Low risk of a development to agriculture requires sampling at 1:100,000. Higher risk resulting in possible long-term damage to agriculture requires a sampling density of 1:25,000.



**Figure 4.1.** Flow chart to verify water reliability. (OEH and OASFS, 2013).



**Figure 4.2.** Flow chart for site assessment of BSAL. Source: (OEH and OASFS, 2013).

## 5. BSAL ASSESSMENT OF SITE VERIFICATION AREA

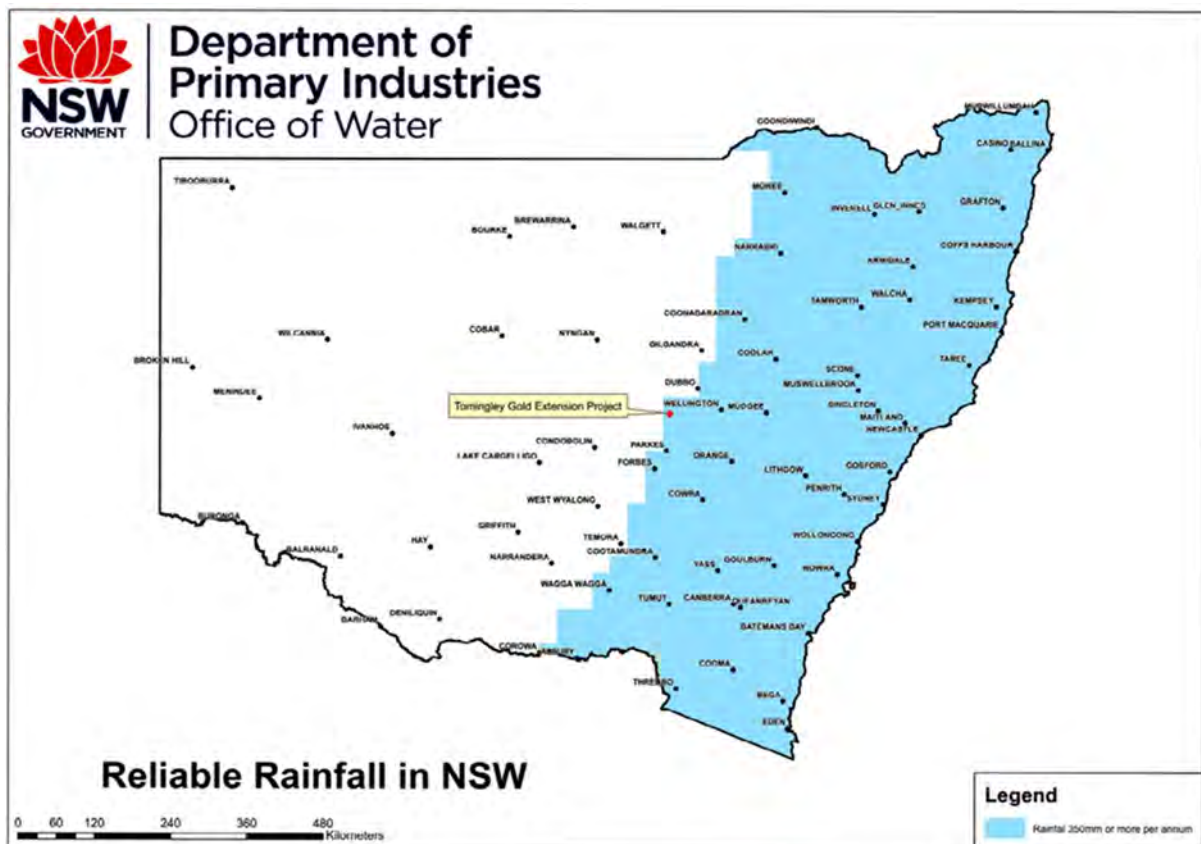
### 5.1. Extent of Site Verification Area

The Gateway Certificate Application Area covers 880 ha to the south of Tomingley Township and the present mine. A 100 m buffer was added to the boundary of the Gateway Certificate Application Area as required in the Interim Protocol (OEH and OASFS, 2013), adding a total of 1330 ha to the Gateway Certificate Application Area to form the 1,010 ha BSAL Assessment Area (Figure 2.1). The buffer area did not include areas to the north of the Gateway Certificate Application Area as it impinged Mining Lease 1684, which is already disturbed by mining.

Most of the BSAL Assessment Area is grazing land with occasional cropping, with native vegetation along the western edge. The BSAL Assessment Area includes the Newell Highway, a two to three lane State Highway.

### 5.2. Water Supply Reliability

The parts of NSW with reliable rainfall have been mapped by the NSW Office of Water (and Tomingley is located within the >350 mm rainfall zone (9 out of 10 years), classed as reliable rainfall (Figure 5.1). This was supported by rainfall records from Peak Hill Post Office (BOM Station 050031), which showed that annual rain exceeded 350 mm in 116 of 128 years from 1891 to 2018 or 90.6% of years. As a result, in accordance with the flow chart presented in Figure 4.1, a BSAL soil assessment is required for the BSAL Assessment Area.



**Figure 5.1.** Reliable rainfall map. Downloaded from:

[www.water.nsw.gov.au/\\_data/assets/pdf\\_file/0006/549330/law\\_use\\_reliable\\_rainfall.pdf](http://www.water.nsw.gov.au/_data/assets/pdf_file/0006/549330/law_use_reliable_rainfall.pdf) on 7/4/2014.

Tomingley has a similar climate to the nearby Peak Hill Post Office weather station (BOM number 050031). Peak Hill has a mean rainfall of 561 mm, with coolest mean winter temperatures ranging from 4.8 to 15.4°C in July and warmest mean summer temperatures ranging from 19.5 to 33.5°C in January.

### **5.3. Risk Assessment and Selection of Map Scale and Guide for Soil Boundaries**

Using the risk assessment process given in OEH and OASFS (2013, p 29 to 31), impact from open cut mining and subsequent rehabilitation would be in the order of Level 1 or Level 2 consequences, *Severe to Significant*. Underground mining would be of minor to negligible consequence to surface soils and environments. Given that the BSAL Assessment Area includes potentially both of these types of mining, the likelihood would be *Likely to Almost Certain*. As a result, the risk ranking would be *High*. In light of this risk ranking, the scale of mapping required was 1:25 000.

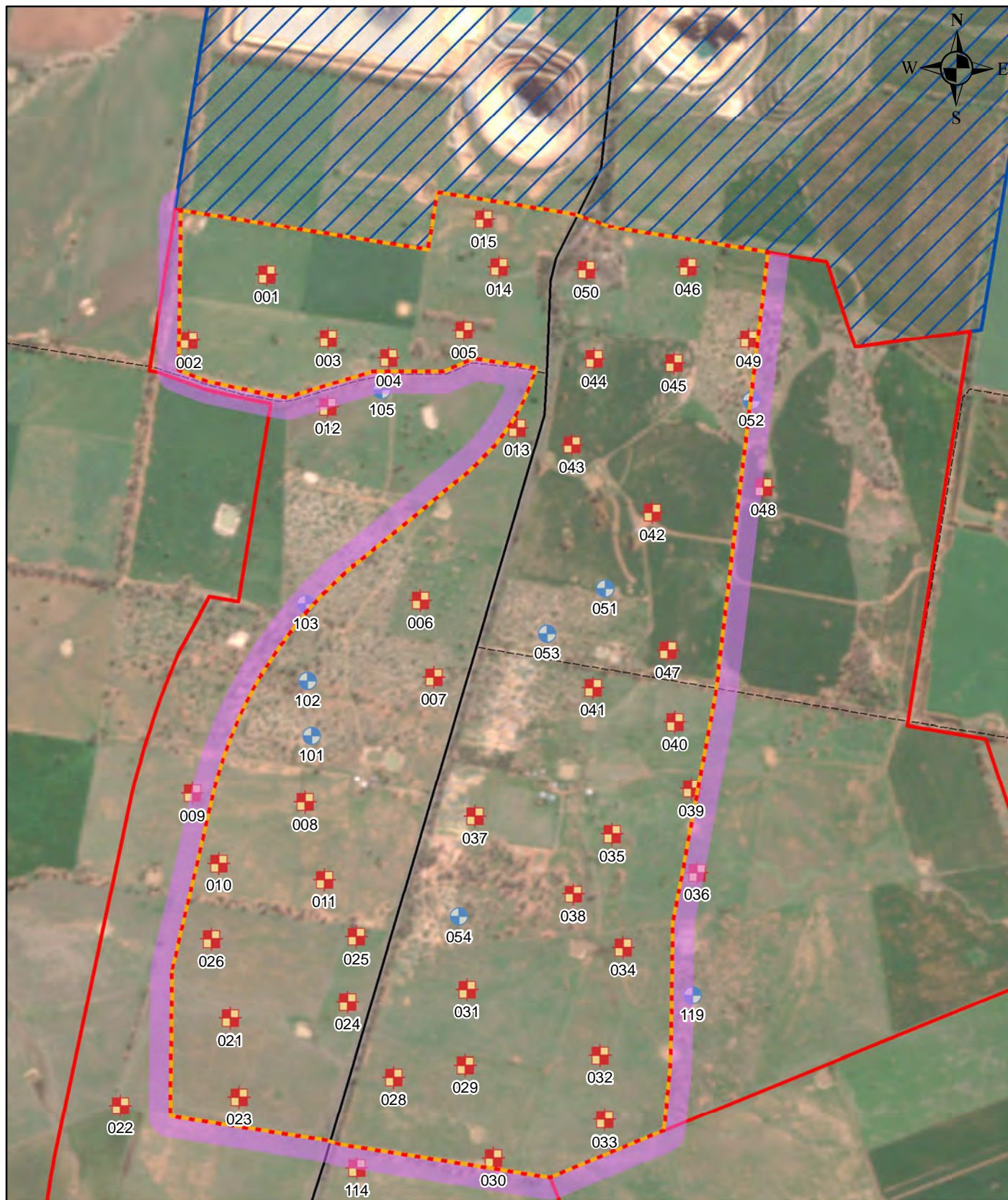
Provisional 1:25 000 soil mapping units were established using Roach's (2007) regolith mapping units, in consideration with a ground EM survey (scale approximately 1:20,000). Other spatial data (listed in Table 3.1 and Figures 3.1 and 3.2) such as Airborne Gamma Radiometrics total count (scale 1:250 000) were used as reference material in interpretation and modification of the regolith mapping.

### **5.4. Site Sampling and Soil Description**

A square grid of 1 soil observation per 19 ha aligned with the northeast to southwest drainage was established across the site (total of 52 sampling sites). Individual grid locations were adjusted so that they did not fall into the middle of drainage lines (Figure 5.2). Field traverse and profile numbering of profile sites were determined by weather and site bearing strength on each day of field work. All sites had full detailed soil profile descriptions as per Isbell and NCST (2016) and NCST (2009) and were sampled for laboratory analysis. Soil profile descriptions are given in Appendix 1.

Soil profile descriptions were recorded on NSW Biophysical Strategic Agricultural Land Soil Data Cards provided by OEH. Additional information such as the crumb dispersion test, or soil field dilatancy was included in the layer notes for each profile. Forty three sites were excavated to a minimum of 1.2 m depth (or refusal) using a small excavator. The remaining 9 sites were exclusion sites which failed Step 4 in Figure 4.2 (i.e., >50% of the area had gilgai >500 mm deep). The location of each site was recorded using a hand-held GPS with a position accuracy of approximately 5 m.

An additional 2 BSAL profile descriptions (022 and 048) were recorded for sites that are now close to, but not within the BSAL assessment area. Profile data was submitted to OEH, and in Appendices I and II, but they are not otherwise included in the BSAL assessment.



### Legend

#### Site\_Type

- Pit
- Exclusion

#### BSAL Assessment

- Gateway Certificate Application Area
- 100 m buffer

#### MineSiteBoundary Road Class

- SAR Mine Site
- TGO Mine Site
- 2
- 3
- 4
- 5

SCALE 1:25,000 (A4)  
500 250 0 500 Metres

Projection: UTM  
Project Area: RW Corkery  
Roads: NSW Minerals

Figure 5.2. Sample locations over aerial image

Field data that were recorded for each of the 45 sampling test sites (Appendix 1) included:

- Soil test pit observations and information: GPS location, nature of exposure, slope, slope measurement method, aspect, site morphology, slope morphology, landform element, aspect, microrelief type, microrelief depth, microrelief extent, lithology, lithology identification method, rock outcrop, current land use, predevelopment vegetation community, growth form, ground cover percentage, current land use, site disturbance, current surface condition, predicted dry surface condition and predicted wet surface condition.
- Detailed soil profile observations for each horizon: lower depth, moisture content, grade of pedality, fabric, size and shape of dominant and subdominant peds. Type, amount, distribution, orientation, weathering and size of coarse fragments. Type, amount, strength, form and size of segregations. Moist colour of all horizons. Type, abundance, colour and contrast of mottles, field texture. Field tests for pH, effervescence to dilute hydrochloric acid, slaking, dispersion, EC<sub>1:5</sub> for selected horizons and boundary distinctness.
- Overall soil profile observation: effective rooting depth, profile permeability, profile drainage, base of observations, substrate.
- Photographs of site and soil profile.

Soil data cards were loaded into the New South Wales Soil and Land Information System (SALIS) and extracted as a flat form data file for all profiles showing all data fields.

Soil field data for median clay content for each horizon was calculated using NCST (2009), (pp 164 to 165). These data were processed into depth increments of 0 to 5, 5 to 15, 15 to 30, 30 to 60 and 60 to 100 cm using the Equal Area Quadratic Spline program, Spline Tool (Jacquier & Seaton, 2012). These data were later used in conjunction with laboratory data to calculate E<sub>c</sub> and Sum of Bases for each lab sample. Using a spline is an effective way of objectively matching soil horizon data of variable thickness to soil incremental data (Banks *et al.*, 2020)

### **5.5. Laboratory Analysis**

Laboratory analysis of soil samples was undertaken to assist in the identification of soil associations, and to satisfy the requirements of the Interim Protocol that samples from all detailed soil test pits are subject to laboratory analysis.

Soil samples were collected from the Interim Protocol prescribed sampling depths of 0 to 5 cm, 5 to 15 cm, 15 to 30 cm, 30 to 60 cm and 60 to 100 cm for all sampling sites. duplex profiles. Samples from the 45 detailed sites were submitted to the NATA and ASPAC accredited Incitec Pivot Laboratories for analysis (Appendix 2).

Soil chemical properties required for assessing BSAL according to the assessment chart in Figure 4.2 as well as for classifying soil in accordance with the ASC were measured for all soil samples analysed. The soil chemical properties were pH in water and CaCl<sub>2</sub>; exchangeable cations of Ca, Mg, K, Na and Al; EC<sub>1:5</sub>; and Cl as per the Interim Protocol. In addition, all samples were tested for NO<sub>3</sub><sup>-</sup> and NH<sub>4</sub>-N.

Topsoil (0 to 5 and 5 to 15 cm) samples were subjected to further testing including organic carbon %, sulfate, Colwell P, P buffer index, and the trace elements Zn, Cu, Fe, Mn and B. Individual testing methods are given with the data in Appendix 3.

### **5.6. Soil Classification**

All full soil profiles were classified according to Isbell & NCST (2016). Using both field and laboratory data each soil pit was allocated to ASC order; ASC suborder; ASC Great Group; ASC Subgroup; ASC Family properties of topsoil thickness; gravel and texture; subsoil texture; and soil depth.

### **5.7. Use of Field and Laboratory Data to Determine Individual Site BSAL**

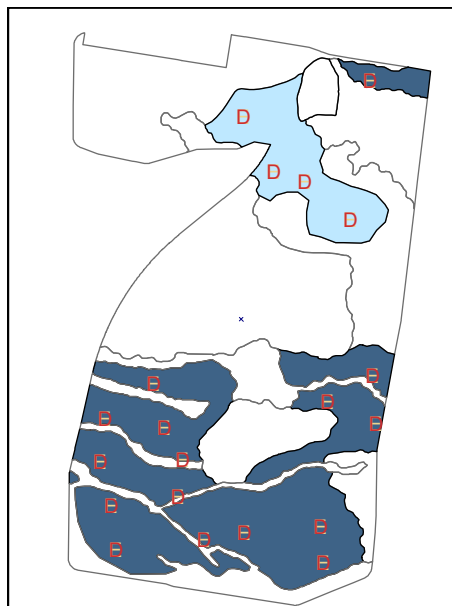
Field and relevant laboratory data were used to determine whether each soil profile site met BSAL specifications according to the 12-step assessment process of Key Step 3 (Figure 4.2). Individual soil profiles and landscapes are tabulated by dominant soil landscape in Section 6 below.

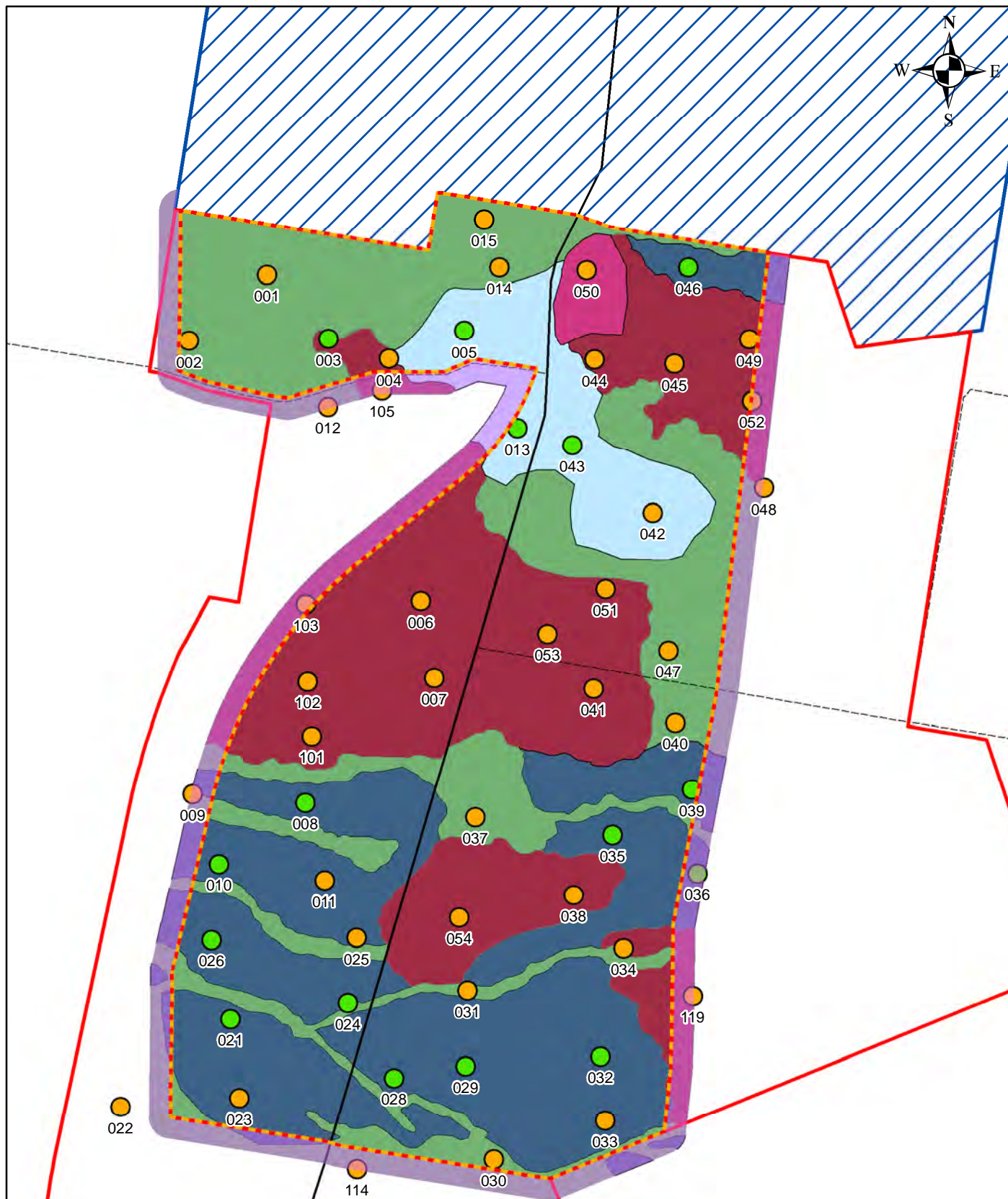
## 6. BSAL ASSESSMENT AND MAP UNIT DESCRIPTIONS

The combination of base map material, field traverse, soil type dominance and chemistry were used to create the map units shown in Figure 6.1. Soil profile sites marked in green satisfy the requirements for BSAL soils. Each soil mapping unit is explained in detail in Sections 6.1 to 6.4. An assessment of soil profile field and chemistry properties for BSAL is made for each dominant soil mapping unit. The results are provided in the description for each soil map unit.

### 6.1. Chromosols Soils BSAL Mapping Unit

The Chromosols soil unit (20 profiles over 385 ha) was on broad plains of very low relief and corresponded to the regolith mapping unit (RMU) Apd5, which had slightly more calcium rich alluvium and substrate than the other regolith mapping units. Moderately well drained Chromosols (Table 6.1) dominated the landscape with minor occurrences of moderately to well drained Red Kandosols and Dermosols within this unit and some poorly drained Sodosols adjacent to low lying areas of the plain. In addition to the Chromosol unit as defined by RUMU Apd5, there was a smaller area of the Chromosol soil unit on an area of RMU Apd1 and Apd6 which had mappable andesite subcrop (very low EM signature), which had also been enriched with a calcium rich aeolian dust mantle which forms a very slight rise above surrounding landscapes. This area was included into the Chromosol soil unit based on similarity of soil type but mapped as a variant called Andesite Chromosols. 75% of soils described met the criteria for BSAL within this unit (Table 6.2).





#### Legend

##### Mapping Unit

<span style="display: inline-block; width: 15px; height: 15px; background-color: #ADD8E6; border: 1px solid black;"></span> Andesite Chromosol
<span style="display: inline-block; width: 15px; height: 15px; background-color: #4682B4; border: 1px solid black;"></span> Chromosol
<span style="display: inline-block; width: 15px; height: 15px; background-color: #8B0000; border: 1px solid black;"></span> Gilgai
<span style="display: inline-block; width: 15px; height: 15px; background-color: #90EE90; border: 1px solid black;"></span> Sodosol
<span style="display: inline-block; width: 15px; height: 15px; background-color: #FFDAB9; border: 1px solid black;"></span> Shallow
<span style="display: inline-block; width: 15px; height: 15px; background-color: #DC143C; border: 1px solid black;"></span> Disturbed

##### BSAL Sample

<span style="display: inline-block; width: 15px; height: 15px; background-color: #90EE90; border: 1px solid black;"></span> Satisfies BSAL criteria
<span style="display: inline-block; width: 15px; height: 15px; background-color: #FFD700; border: 1px solid black;"></span> Fails BSAL criteria

##### BSAL Assessment

<span style="display: inline-block; width: 15px; height: 15px; background-color: #FFD700; border: 2px dashed red;"></span> Gateway Certificate Application Area
<span style="display: inline-block; width: 15px; height: 15px; background-color: #DDA0DD; border: 1px solid black;"></span> 100 m buffer

##### Mine Site Boundary

<span style="display: inline-block; width: 15px; height: 15px; background-color: #FF0000; border: 2px solid red;"></span> SAR Mine Site
<span style="display: inline-block; width: 15px; height: 15px; background-color: #ADD8E6; border: 2px solid blue;"></span> TGO Mine Site

##### Road Class

<span style="display: inline-block; width: 15px; border-bottom: 2px solid black;"></span> 2
<span style="display: inline-block; width: 15px; border-bottom: 2px dashed black;"></span> 3
<span style="display: inline-block; width: 15px; border-bottom: 2px dotted black;"></span> 4
<span style="display: inline-block; width: 15px; border-bottom: 2px dash-dot black;"></span> 5

SCALE 1:25,000 (A4)

500 250 0 500 Metres





Projection: UTM

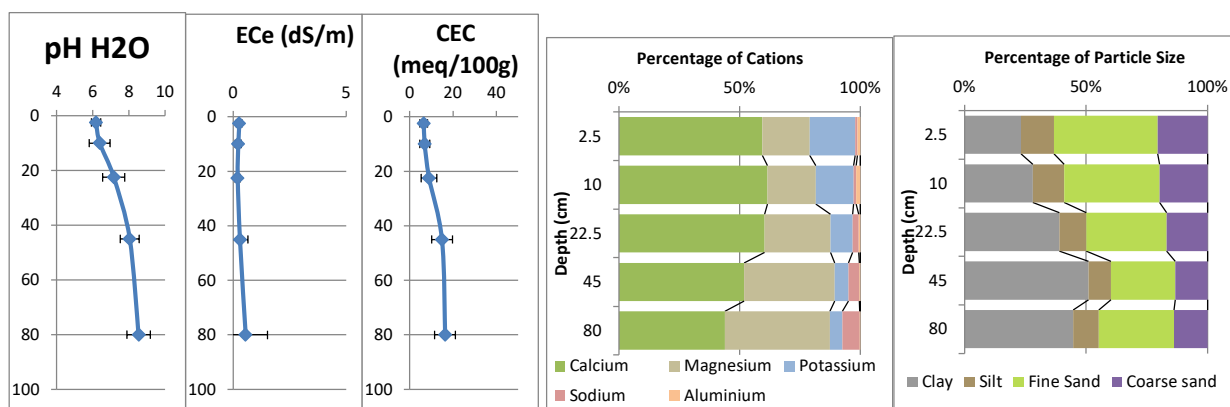
Project Area: RW Corkery

Roads: NSW Minerals

Figure 6.1. Soil Mapping Units and site BSAL rating

**Table 6.1.** Representative Soil Test Pit Profile: Chromosol map unit.

	
Soil Test Pit MT 013	Landscape view, soil test pit MT 013
Australian Soil Classification	Very deep Vertic Hypocalcic Red Chromosol.
Other Soil Types in Landscape	Brown Chromosols, Red Kandosols, Red Dermosols, Red Sodosols
All Soil Test Pits in Landscape	MT 005, 008, 010, 011, 013, 021, 023, 024, 025, 026, 028, 029, 032, 033, 035, 036, 039, 042, 043 and 046.

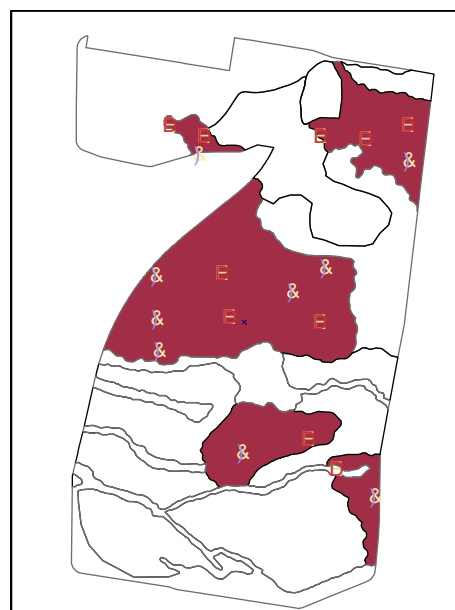
**Figure 6.2.** Chemistry and PSA range for Chromosol map unit. Error bars are Standard Deviation from the mean.

**Table 6.2.** Summary of Chromosol BSAL Characteristics in Chromosol map unit.

Profile Number	MGA Easting	MGA Northing	BSAL SiteType	ASC	Step 1 Slope < 10%	Step 2 Rock Outcrop <30%	Step 3 Rock Fragment Abundance <20%	Step 4 No Gilgai>50% and >500 mm deep	Step 5 Slope < 5%	Step 7 ASC Fertility Moderate or Better	Step 8 Depth to physical barrier > 750 mm	Step 9 BSAL Drainage > poor	Step 10 pH(H <sub>2</sub> ) <9 at < 600 mm	Step 11 Ece <4 at <600 mm depth	Step12 Depth to chemistry barrier > 50 mm	BSAL Status
5	613911	6392508	Detailed	Red Chromosol	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	BSAL
8	613183	6390344	Detailed	Red Chromosol	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	BSAL
10	612788	6390064	Detailed	Red Chromosol	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	BSAL
11	613271	6389992	Detailed	Red Sodosol	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Not BSAL
13	614153	6392061	Detailed	Red Chromosol	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	BSAL
21	612839	6389353	Detailed	Brown Chromosol	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	BSAL
23	612878	6388994	Detailed	Red Chromosol	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Not BSAL
24	613378	6389472	Detailed	Red Chromosol	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	BSAL
25	613416	6389726	Detailed	Red Sodosol	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Alkalinity	Not BSAL
26	612752	6389715	Detailed	Red Chromosol	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	BSAL
28	613590	6389081	Detailed	Red Chromosol	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	BSAL
29	613919	6389138	Detailed	Brown Chromosol	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	BSAL
32	614537	6389186	Detailed	Red Chromosol	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	BSAL
33	614557	6388888	Detailed	Red Sodosol	Y	Y	Y	Y	Y	N	N	N	Y	Y	Y	Not BSAL
35	614591	6390197	Detailed	Red Kandosol	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	BSAL
36	614976	6390022	Detailed	Red Kandosol	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	BSAL
39	614955	6390404	Detailed	Red Chromosol	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	BSAL
42	614774	6391672	Detailed	Red Chromosol	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Not BSAL
43	614406	6391982	Detailed	Red Dermosol	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	BSAL
46	614936	6392797	Detailed	Red Kandosol	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	BSAL

## 6.2. Gilgai Soils - Non-BSAL Mapping Unit

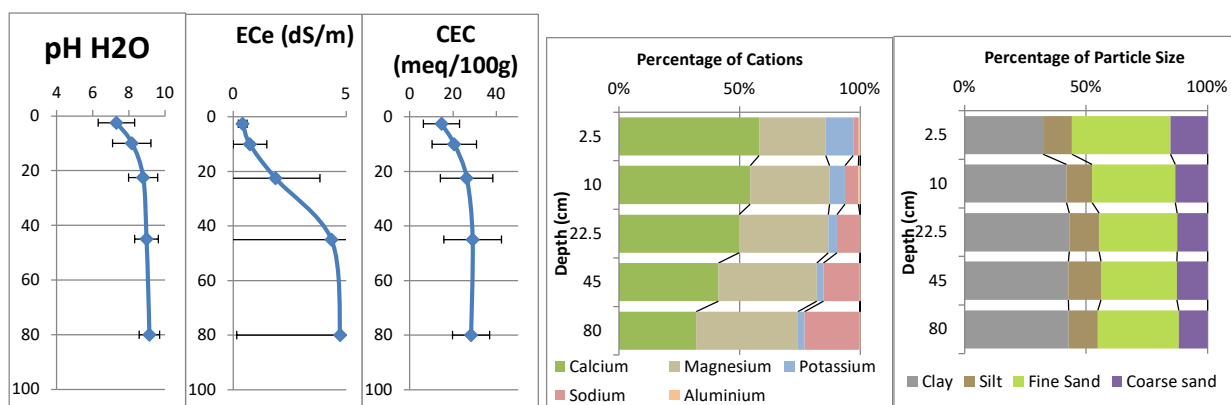
Gilgai soils included 10 detailed soil profile descriptions and 9 exclusion sites over 306 ha. This landscape corresponds well with RMU A ag1 (alluvial plain with gilgai depressions) overlying the Cotton Formation Ordovician-Silurian sediments. It is dominated by swamp complex landform elements. Boundaries of Aag1 regolith unit were modified during field traverse and using SPOT imagery to fully exclude non-gilgai lands or lands where gilgai had been levelled for cropping. This map unit is similar in character to that described for Stony Hill Gilgai (OEH, unpub). The gilgai soil unit appears proud (slightly elevated above) the generally flat plains of the BSAL Assessment Area when in the field, however this is due to the puffs or rises between hollows protruding from the plain surface.



Dominant soils in the gilgai were poorly to imperfectly drained very deep Epipedal Grey, Red or Brown Vertosols (Table 6.3). The highly variable sorting of soil material which occurs with these giant gilgai, means that soil characteristics vary over metres from the top of well developed gilgai puffs to the bottom of the depressions and profiles examined in this sequence can range from highly suitable for agriculture to very poor over metres. Most subsoils and some near surface soils in this landscape were saline. This was the first soil mapping unit to be excluded from further consideration for BSAL because it was a landscape dominated by melonhole gilgai of depths > 500 mm. The soil characteristics would have also failed to be considered for BSAL. (Table 6.4). Soil properties described were used to assess Land and Soil capability and the suitability of the soil for use during rehabilitation of the mine site.

**Table 6.3.** Representative Soil Test Pit Profile: Gilgai map unit.

	
Soil Test Pit MT 007	Landscape view, soil test pit MT 007
Australian Soil Classification	Very deep to giant Episodic-Epicalcareous Epipedal Grey Vertosol.
Other Soil Types in Landscape	Red and Brown Vertosols
All Soil Test Pits in Landscape	MT 003, 004, 006, 007, 034, 038, 041, 044, 045 and 049
Exclusion observation sites	MT 051, 052, 053, 054, 101, 102, 103, 105, 119.

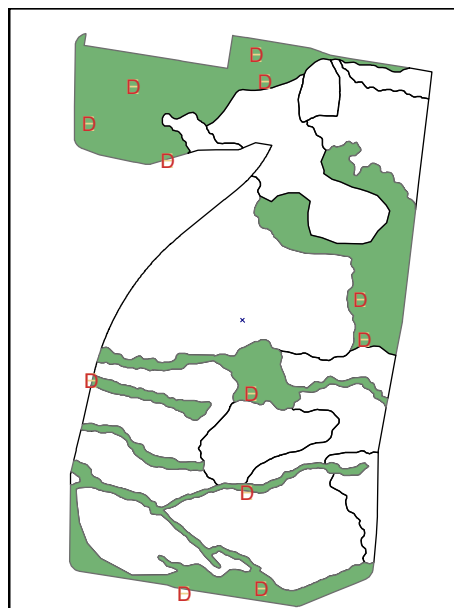
**Figure 6.3.** Chemistry and PSA range for Gilgai map unit. Error bars are Standard Deviation from the mean.

**Table 6.4.** Summary of BSAL Characteristics for Gilgai map unit.



Profile Number	MGA Easting	MGA Northing	BSAL SiteType	ASC	Step 1 Slope < 10%	Step 2 Rock Outcrop < 30%	Step 3 Rock Fragment Abundance < 20%	Step 4 No Gilgai > 50% and > 500 mm deep	Step 5 Slope < 5%	Step 7 ASC Fertility Moderate or Better	Step 8 Depth to physical barrier > 750 mm	Step 9 BSAL Drainage > poor	Step 10 pH(H <sub>2</sub> ) < 9 at < 600 mm	Step 11 Ece < 4 at < 600 mm depth	Step 12 Depth to chemistry barrier > 50 mm	BSAL Status
3	613290	6392469	Detailed	Red Chromosol	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	BSAL
4	613566	6392377	Detailed	Red Vertosol	Y	Y	Y	N	Y	Y	Y	N	N	Y	Alkalinity	Not BSAL
6	613713	6391268	Detailed	Grey Vertosol	Y	Y	Y	N	Y	Y	Y	N	N	Y	Alkalinity	Not BSAL
7	613772	6390919	Detailed	Grey Vertosol	Y	Y	Y	N	Y	Y	Y	N	N	N	Alkalinity /Salinity	Not BSAL
34	614638	6389680	Detailed	Stratic Rudosol	Y	Y	Y	Y	Y	N	Y	Y	Y	N	Salinity	Not BSAL
38	614413	6389922	Detailed	Red Sodosol	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Not BSAL
41	614504	6390868	Detailed	Grey Vertosol	Y	Y	Y	N	Y	Y	Y	N	N	Y	Alkalinity	Not BSAL
44	614508	6392374	Detailed	Red Vertosol	Y	Y	Y	N	Y	Y	Y	N	Y	Y	Y	Not BSAL
45	614873	6392356	Detailed	Red Vertosol	Y	Y	Y	N	Y	Y	Y	Y	N	N	Alkalinity /Salinity	Not BSAL
49	615217	6392467	Detailed	Brown Vertosol	Y	Y	Y	N	Y	Y	N	N	N	N	Alkalinity /Salinity	Not BSAL
51	614589	6391321	Exclusion	Vertosol obs	Y	Y	Y	N	Y	*	*	*	*	*	*	Not BSAL
52	615230	6392185	Exclusion	Vertosol obs	Y	Y	Y	N	Y	*	*	*	*	*	*	Not BSAL
53	614291	6391118	Exclusion	Vertosol obs	Y	Y	Y	N	Y	*	*	*	*	*	*	Not BSAL
54	613888	6389819	Exclusion	Vertosol obs	Y	Y	Y	N	Y	*	*	*	*	*	*	Not BSAL
101	613194	6390900	Exclusion	Vertosol obs	Y	Y	Y	N	Y	*	*	*	*	*	*	Not BSAL
102	613213	6390649	Exclusion	Vertosol obs	Y	Y	Y	N	Y	*	*	*	*	*	*	Not BSAL
103	613186	6391252	Exclusion	Vertosol obs	Y	Y	Y	N	Y	*	*	*	*	*	*	Not BSAL
105	613534	6394235	Exclusion	Vertosol obs	Y	Y	Y	N	Y	*	*	*	*	*	*	Not BSAL
119	614959	6389457	Exclusion	Vertosol obs	Y	Y	Y	N	Y	*	*	*	*	*	*	Not BSAL

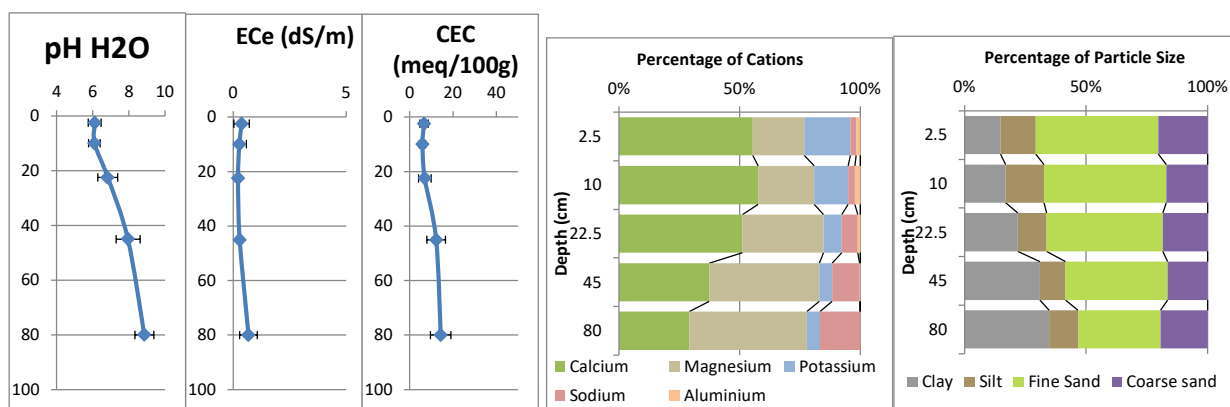
### 6.3. Sodosol Soils Non-BSAL Mapping Unit

The Sodosol soil mapping unit (12 sites over 306 ha) comprised the remainder of undisturbed soils in the BSAL Assessment Area. It is dominated by flat alluvial plains and stagnant alluvial plains, with the tail ends of small footslopes from small outcrops to the east and south west of the map and includes shallow (< 1 m deep) broad drainage depressions, plains and small prior stream landform elements. The landscape is dominated by imperfectly to moderately well drained Red Sodosols (Table 6.5) with minor occurrences of Red Chromosols and single occurrences of Red Vertosols and Stratic Rudosols. None of the soils within this unit qualify as BSAL soils (Table 6.6). At the time of profile description and sampling the soils of this unit were wet and had highly dilatant topsoils, unlike the adjacent Chromosol dominated unit. This area corresponded to a range of alluvial RMUs (Aap1, ACah5, Aed1, Aed5, Aed6, Apd6 and Acah5) which do not contain an abundance of mafic alluvial material and which were not underlain by mafic subcrop. Any small areas of aeolian dust in this landscape were very thin (< 5 cm) and these did not appear to have a positive impact on soil properties. Although the dominant Sodosols in this mapping unit look very similar to those in the Chromosol unit, they have impeded drainage, lower wet bearing strength and sodicity in upper subsoils which further impedes profile permeability.



**Table 6.5.** Representative Soil Test Pit Profile: Sodosol map unit.

	
Soil Test Pit MT 015	Landscape view, soil test pit MT 015
Australian Soil Classification	Eutrophic Mottled-Subnatric Red Sodosol.
Other Soil Types in Landscape	Red Chromosol, Red Chromosol, Red Dermosol
All Soil Test Pits in Landscape	MT 001, 002, 009, 012, 014, 015, 030, 031, 037, 040, 047 and 114.

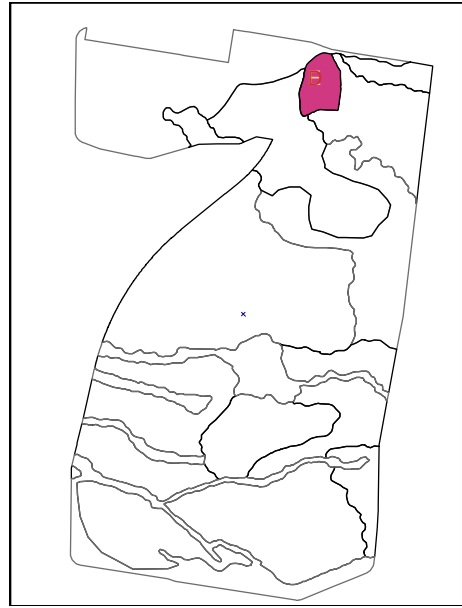
**Figure 6.4.** Chemistry and PSA range for Sodosol map unit. Error bars are Standard Deviation from the mean.

**Table 6.6.** Summary of BSAL Characteristics for Sodosol map unit.

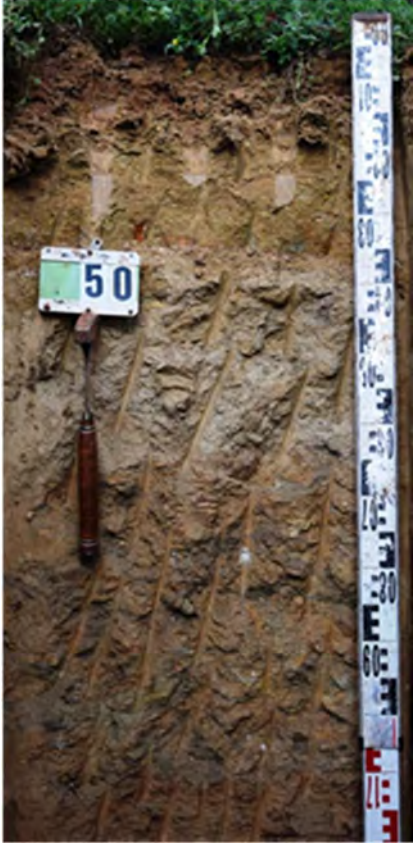

Profile Number	MGA Easting	MGA Northing	BSAL SiteType	ASC	Step 1 Slope < 10%	Step 2 Rock Outcrop < 30%	Step 3 Rock Fragment Abundance < 20%	Step 4 No Gilgai > 50% and > 500 mm deep	Step 5 Slope < 5%	Step 7 ASC Fertility Moderate or Better	Step 8 Depth to physical barrier > 750 mm	Step 9 BSAL Drainage > poor	Step 10 pH(H <sub>2</sub> ) < 9 at < 600 mm	Step 11 Ece < 4 at < 600 mm depth	Step 12 Depth to chemistry barrier > 50 mm	BSAL Status
1	613007	6392763	Detailed	Red Sodosol	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Not BSAL
2	612653	6392463	Detailed	Red Sodosol	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Not BSAL
9	612666	6390385	Detailed	Red Sodosol	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Not BSAL
12	613287	6392159	Detailed	Red Chromosol	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Not BSAL
14	614072	6392796	Detailed	Red Sodosol	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Not BSAL
15	614002	6393019	Detailed	Red Sodosol	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Not BSAL
30	614044	6388708	Detailed	Brown Sodosol	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Not BSAL
31	613924	6389487	Detailed	Red Sodosol	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Alkalinity	Not BSAL
37	613962	6390278	Detailed	Red Sodosol	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Not BSAL
40	614879	6390711	Detailed	Red Sodosol	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Not BSAL
47	614846	6391042	Detailed	Red Sodosol	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Not BSAL
114	613421	6388665	Detailed	Red Dermosol	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Alkalinity	Not BSAL

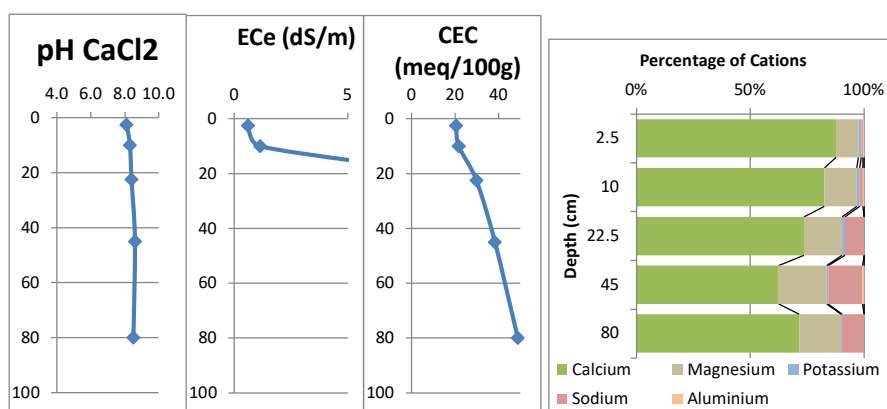
#### **6.4. Disturbed Non-BSAL Mapping Unit**

A small area of disturbed terrain (1 site on 13.3 ha) occurred in the northern section of the BSAL Assessment Area (Tables 6.7 – 6.8). This area was comprised of dumped fines and fly ash from previous mine activity and was highly visible in the DEM and on the ground mostly as a man-made mound and an area of fill. This area became the Disturbed Terrain soil map unit. One inspection pit was made in this landscape and although there was a good native vegetation cover, the soils were alkaline and saline and would generally be unsuitable for normal agricultural enterprises (Figure 6.4).



**Table 6.7.** Representative Soil Test Pit Profile: Disturbed Non-BSAL map unit.

	
Soil Test Pit TM 050	Landscape view, soil test pit TM 050
Australian Soil Classification	Giant Cumulic Anthroposol
Other Soil Types in Landscape	Anthroposols and probably buried natural soils at fringes
All Soil Test Pits in Landscape	MT 050

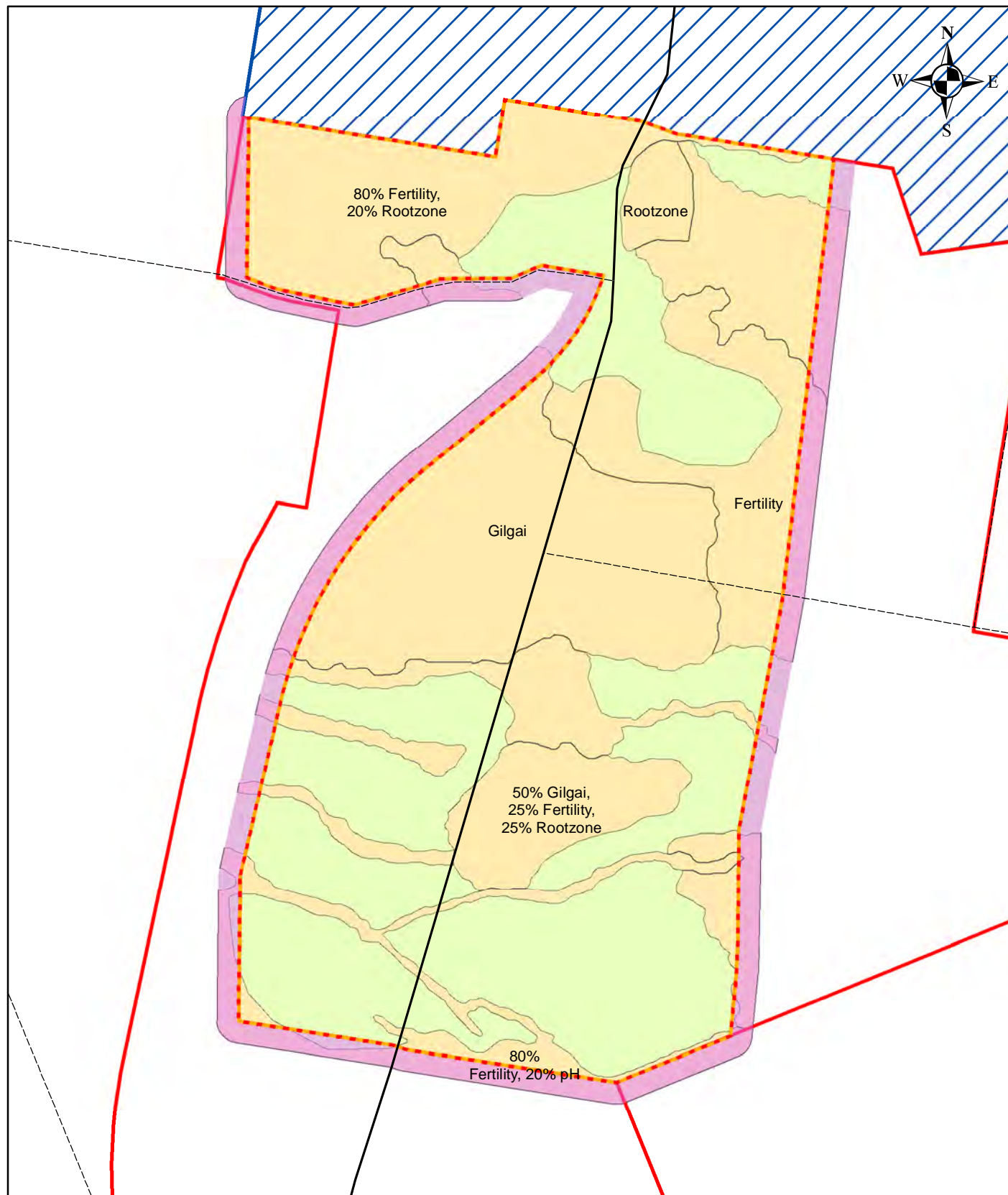
**Figure 6.5.** Chemistry for Anthroposol map unit. Error bars are Standard Deviation from the mean.

**Table 6.8.** Summary of BSAL Characteristics for Anthropol map unit.

Profile Number	MGA Easting	MGA Northing	BSAL SiteType	ASC	Step 1 Slope < 10%	Step 2 Rock Outcrop < 30%	Step 3 Rock Fragment Abundance < 20%	Step 4 No Gilgai > 50% and > 500 mm deep	Step 5 Slope < 5%	Step 7 ASC Fertility Moderate or Better	Step 8 Depth to physical barrier > 750 mm	Step 9 BSAL Drainage > poor	Step 10 pH(H <sub>2</sub> ) < 9 at < 600 mm	Step 11 Ece < 4 at < 600 mm depth	Step 12 Depth to chemistry barrier > 50 mm	BSAL Status
50	614472	6392784	Detailed	Cumulic Anthropol	Y	Y	Y	Y	Y	N	Y	Y	Y	N	N	Not BSAL

## 7. CONCLUSIONS

- The dominant soil unit map and profile data presented above were assembled spatially so that each soil unit was grouped as BSAL or Non-BSAL.
- BSAL mapping units of any size either within the BSAL Assessment Area, or with a mappable extent extending beyond the BSAL Assessment Area were mapped and identified (Figure 7.1). For the avoidance of doubt, no areas of BSAL with an area of less than 20 ha were excluded.
- The final BSAL map shows that the BSAL Assessment Area had 385 ha of BSAL which may require special consideration during further expansion of mining activities.



### Legend

BSALRate	BSAL Assessment	MineSiteBoun...	Road Class
No	Gateway Certificate Application Area	SAR Mine Site	2
Yes	100 m buffer	TGO Mine Site	3
			4
			5

SCALE 1:25,000 (A4)  
500 250 0 500 Metres

Projection: UTM  
Project Area: RW Corkery  
Roads: NSW Minerals

Figure 7.1. Biophysical Strategic Agricultural Land

## 8. REFERENCES

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**APPENDIX I**  
**Soil Profile Descriptions**

# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT001 Hypocalcic Mesonatric Red Sodosol

Excavated on: **21/07/2020** Logged by: Dr Robert Banks 613007m E, 6392763m N, (WGS84), 263.1m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **soft**

Groundcover: **85%**

Dry: **hard set**

### Topography

Slope: **1%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown silty clay loam with massive grade of structure and earthy . Moist. Clear boundary to:	5.5			0.2	
	A2		Reddish brown silty clay loam with massive grade of structure and earthy . Moist. Clear boundary to:	5.5			0.2	
							0.1	
50	B1		Reddish brown light medium clay with strong grade of angular blocky structure and smooth-faced 1.5 cm peds, breaking to polyhedral peds of 0.7 cm. Moderately moist. Clear boundary to:	6.5			0.4	
100	C		Red sandy loam with massive grade of structure and earthy . Soil had 15% faint, unspecified mottles. Slight effervescence to 1 Molar HCl. Dry.	8.5			1.6	
			COMMENTS: 0  Bottom of hole at 120					

### Lithology

Substrate: **alluvium**

Base of Observations:

layer **continues**

Rootzone: **60cm**

**Moderately well drained**

**Moderately permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT002 Eutrophic Subnatric Red Sodosol

Excavated on: **21/07/2020** Logged by: Dr Robert Banks 612653m E, 6392463m N, (WGS84), 261.9m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: %

Dry: **hard set**

### Topography






Slope: **1%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0.5 1	Proportion Concretions 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown clay loam with massive grade of structure and earthy . Moderately moist. Sharp boundary to:	6.5	▲	▲	1.4	
	A2		Dark reddish brown silty clay loam with massive grade of structure and earthy . Moderately moist. Sharp boundary to:	6.5	▲	▲	0.4	
50	B2		Dark red medium heavy clay with strong grade of angular blocky structure and smooth-faced 1.5 cm peds. Moderately moist. Gradual boundary to:	6.5	▲	▲	0.2	
	BC		Dark reddish brown medium heavy clay with moderate grade of angular blocky structure and smooth-faced 2.5 cm peds. Dry. Gradual boundary to:	6.5	▲	▲		
100	C		Reddish brown clayey sand with massive grade of structure and earthy . Very few (<2%), substrate fine gravel (2-6mm). Dry.	6.5	▲	▲	0.2	
			COMMENTS: 0					

### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

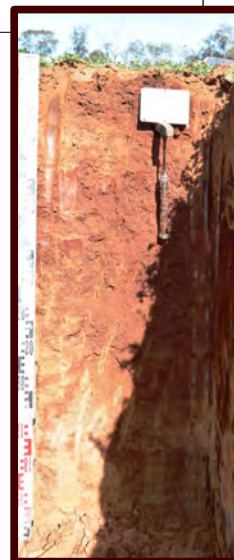
Rootzone: **80cm**

**Moderately well drained**

**Moderately permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT003 Haplic Eutrophic Red Chromsol

Excavated on: **21/07/2020** Logged by: Dr Robert Banks 613290m E, 6392469m N, (WGS84), 263.6m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: **70%**

Dry: **hard set**

### Topography






Slope: **1%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown clay loam with massive grade of structure and earthy . Moderately moist. Abrupt boundary to:	6			0.2	
	B1		Reddish brown medium heavy clay with strong grade of angular blocky structure and smooth-faced 1.5 cm peds. Moderately moist. Clear boundary to:	5.5			0.1	
50	B2		Dark red light medium clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Moderately moist. Gradual boundary to:	6			0.1	
100	BC		Reddish brown sandy clay loam with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Few (2-10%), medium (2-6mm), weak, calcareous root linings. Soil had 7% distinct, dark, unspecified mottles. Slight effervescence to 1 Molar HCl. Dry. Clear boundary to:	6			0.3	
	C		Reddish brown clayey sand with massive grade of structure and earthy . Few (2-10%), coarse (6-20mm), , calcareous nodules. High effervescence to 1 Molar HCl. Dry.	9				
			COMMENTS: 0					

### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **80cm**

**Moderately well drained**

**Moderately permeable**

Bottom of hole at 140



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT004

### Episodic-Epicalcareous Epipedal Red Vertosol

Excavated on: **21/07/2020** Logged by: Dr Robert Banks 613566m E, 6392377m N, (WGS84), 264.7m AHD

#### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: %

Dry: **cracked**

#### Topography

Slope: **1%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **gilgai** Depth: **70** Extent: **> 50% area**

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown light clay with strong grade of polyhedral structure and smooth-faced 0.5 cm peds. Moderately moist. Gradual boundary to:	6.5			0.5	
	B2		Yellowish red medium clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Slight effervescence to 1 Molar HCl. Moist. Gradual boundary to:	8.5			0.2	
50							0.3	
	B2		Brown light medium clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Few (2-10%), medium (2-6mm), weak, calcareous soft segregations. Soil had 15% distinct, yellow, unspecified mottles. High effervescence to 1 Molar HCl. Wet. Diffuse boundary to:	9			1	
100								
	B22		Brown light medium clay with strong grade of polyhedral structure and smooth-faced 1 cm peds. Common (10-20%), coarse (6-20mm), weak, calcareous soft segregations. Soil had 15% distinct, grey, unspecified mottles. High effervescence to 1 Molar HCl. Wet.	9				
			COMMENTS: 0  Bottom of hole at 130					

#### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **80cm**

**Very poorly drained**

**Very slowly permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT005 Haplic Hypocalcic Red Chromosol

Excavated on: **21/08/2020** Logged by: Dr Robert Banks 613911m E, 6392508m N, (WGS84), 266.2m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: **90%**

Dry: **hard set**

### Topography





Slope: **1%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown silty clay loam with massive grade of structure and earthy. Moist. Abrupt boundary to:	6			0.3	
	B1		Red medium clay with strong grade of angular blocky structure and smooth-faced 1.5 cm peds. Moist. Gradual boundary to:	6			0.1	
50							0.1	
	B2		Red medium clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Moist. Gradual boundary to:	7.5			0.2	
100	B22		Reddish brown medium heavy clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Few (2-10%), very coarse (20-60mm), weak, calcareous soft segregations. Slight effervescence to 1 Molar HCl. Dry.	8.5				
			COMMENTS: 0					

### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

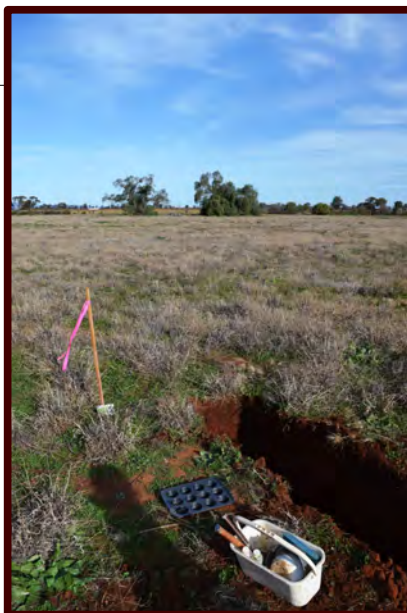
Rootzone: **130cm**

**Moderately well drained**

**Moderately permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT006

### Episodic-Epicalcareous Epipedal Grey Vertosol

Excavated on: **21/07/2020** Logged by: Dr Robert Banks 613713m E, 6391268m N, (WGS84), 265.9m AHD

#### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture** Groundcover: **60%**

Surface Condition Wet: **firm** Dry: **cracked**

#### Topography

Slope: **3%** Southern Aspect

Site Morphology: **open depression**

Slope Morphology: **Minimal**

Microrelief: **gilgai** Depth: **70** Extent: **> 50% area**

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A		Dark yellowish brown medium heavy clay with strong grade of polyhedral structure and smooth-faced 0.5 cm peds. Common (10-20%), parent material fine gravel (2-6mm). Soil had 7% faint, unspecified mottles. Wet. Abrupt boundary to:	8.5			0.8	
	A1		Brown heavy clay with strong grade of prismatic structure and smooth-faced 1.5 cm peds. Few (2-10%), parent material fine gravel (2-6mm). Few (2-10%), coarse (6-20mm), , calcareous soft segregations. Slight effervescence to 1 Molar HCl. Moist. Clear boundary to:	9			2.1	
50	B2		Greyish brown heavy clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Dry. Gradual boundary to:	9			1.9	
							2	
100	B22		Light brownish grey heavy clay with strong grade of prismatic structure and smooth-faced 5.5 cm peds. Common (10-20%), very coarse (20-60mm), , calcareous soft segregations. High effervescence to 1 Molar HCl. Dry.	9			4.2	
			COMMENTS: 0					

#### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **130cm**

**Very poorly drained**

**Very slowly permeable**

Bottom of hole at 140



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**Tomingley Gold Extension Project for Alkane Resources**  
**Detailed pit MT007** Episodic-Epicalcareous Epipedal Grey Vertosol

Excavated on: **21/08/2020** Logged by: Dr Robert Banks 613772m E, 6390919m N, (WGS84), 266.7m AHD

**Landscape Properties**

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **extensive clearing**

Land Use: **volun./native pasture** Groundcover: **15%**

Surface Condition Wet: **firm**

Dry: **hard set**

**Topography**

Slope: **0%** Flat Aspect

Site Morphology: **open depression**

Slope Morphology: **Minimal**

Microrelief: **gilgai** Depth: **70** Extent: **> 50% area**

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark yellowish brown medium clay with strong grade of polyhedral structure and smooth-faced 0.7 cm peds. Few (2-10%), parent material fine gravel (2-6mm). Soil had 2% unspecified mottles. Moist. Clear boundary to:	9			0.6	
	B1		Dark greyish brown heavy clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Many (20-50%), very coarse (20-60mm), weak, calcareous soft segregations. Soil had 7% distinct, orange, unspecified mottles. High effervescence to 1 Molar HCl. Moderately moist. Gradual boundary to:	9			1.2	
50	B1		Greyish brown heavy clay with strong grade of prismatic structure and smooth-faced 10.5 cm peds. Few (2-10%), coarse (6-20mm), weak, calcareous soft segregations. Soil had 7% faint, gley, unspecified mottles. Slight effervescence to 1 Molar HCl. Dry.	6			5.5	
100							19.4	
							12.7	
			COMMENTS: 0  Bottom of hole at 120					

**Lithology**

Substrate: **alluvium**

Base of Observations:

layer continues

Rootzone: **50cm**

**Very poorly drained**

**Very slowly permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT008 Haplic Hypocalcic Red Chromosol

Excavated on: **22/07/2020** Logged by: Dr Robert Banks 613183m E, 6390344m N, (WGS84), 263.4m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: **50%**

Dry: **hard set**

### Topography






Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown silty clay loam with massive grade of structure and earthy . Moist. Clear boundary to:	6	▲	▲	0.5	
	A2		Dark reddish brown clay loam with massive grade of structure and earthy . Moderately moist. Clear boundary to:	7	▲	▲	0.1	
50	B2		Reddish brown heavy clay with strong grade of angular blocky structure and smooth-faced 1.5 cm peds. Moderately moist. Gradual boundary to:	7.5	▲	▲	0.1	
	B22		Red medium clay with strong grade of prismatic structure and smooth-faced 1.5 cm peds, breaking to polyhedral peds of 0.7 cm. Very few (<2%), medium (2-6mm), weak, calcareous soft segregations. Soil had 7% distinct, red, unspecified mottles. Dry. Gradual boundary to:	7.5	▲	▲	0.3	
100	BC		Yellowish red light medium clay with moderate grade of prismatic structure and smooth-faced 2.5 cm peds, breaking to polyhedral peds of 0.7 cm. Very few (<2%), medium (2-6mm), weak, calcareous soft segregations. Soil had 7% distinct, red, unspecified mottles. Dry.	8	▲	▲		
			COMMENTS: 0 Bottom of hole at 135					

### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **120cm**

**Well drained**

**Moderately permeable**



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**Tomingley Gold Extension Project for Alkane Resources**  
**Detailed pit MT009** Hypocalcic Mesonatric Red Sodosol

Excavated on: **22/07/2020** Logged by: Dr Robert Banks 612666m E, 6390385m N, (WGS84), 261.3m AHD

**Landscape Properties**

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: **70%**

Dry: **hard set**

**Topography**

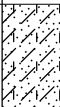
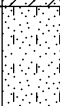


Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown sandy loam with massive grade of structure and earthy . Moist. Clear boundary to:	5.5			0.2	
	A2		Red clayey sand with massive grade of structure and earthy . Moist. Clear boundary to:	6			0.2	
50	B1		Red heavy clay with strong grade of angular blocky structure and smooth-faced 1.5 cm peds. Moderately moist. Diffuse boundary to:	6.5			0.5	
100	BC		Strong brown light medium clay with moderate grade of angular blocky structure and smooth-faced 2.5 cm peds. Few (2-10%), coarse (6-20mm), strong, manganiferous nodules. Soil had 15% distinct, grey, unspecified mottles. Slight effervescence to 1 Molar HCl. Dry.	8.5			0.9	
150			COMMENTS: 0  Bottom of hole at 150					

**Lithology**

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **85cm**

**Moderately well drained**

**Moderately permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT010

### Vertic Hypocalcic Red Chromosol

Excavated on: **22/07/2020** Logged by: Dr Robert Banks 612788m E, 6390064m N, (WGS84), 261.8m AHD

#### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: **50%**

Dry: **hard set**

#### Topography

Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dusky red clay loam with massive grade of structure and earthy . Moist. Clear boundary to:	6			0.1	
	A2		Dark reddish brown clay loam with massive grade of structure and earthy . Moist. Clear boundary to:	6			0.1	
							0.1	
50	B1		Red medium heavy clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Slight effervescence to 1 Molar HCl. Moderately moist. Gradual boundary to:	7			0.2	
	B2		Reddish brown heavy clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds, breaking to angular blocky peds of 1.5 cm. Few (2-10%), very coarse (20-60mm), weak, calcareous soft segregations. High effervescence to 1 Molar HCl. Moderately moist. Gradual boundary to:	8.5			0.5	
100	B22		Yellowish red light medium clay with strong grade of structure and smooth-faced . Very few (<2%), very coarse (20-60mm), weak, calcareous soft segregations. Soil had 7% distinct, red, unspecified mottles. Slight effervescence to 1 Molar HCl. Dry.	7.5				
			COMMENTS: 0					

#### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **120cm**

**Moderately well drained**

**Moderately permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT011

### Vertic Mesonatric Red Sodosol

Excavated on: **22/07/2020** Logged by: Dr Robert Banks 613271m E, 6389992m N, (WGS84), 264m AHD

#### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: **65%**

Dry: **hard set**

#### Topography





Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown silty clay loam with massive grade of structure and earthy . Dry. Abrupt boundary to:	6			0.1	
	B1		Yellowish red medium clay with strong grade of angular blocky structure and smooth-faced 1.5 cm peds. Moderately moist. Gradual boundary to:	6.5			0.5	
50	B2		Red medium heavy clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Common (10-20%), very coarse (20-60mm), weak, calcareous soft segregations. High effervescence to 1 Molar HCl. Dry. Diffuse boundary to:	8.5			1.7	
100	B22		Brown light medium clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Few (2-10%), very coarse (20-60mm), weak, calcareous soft segregations. Soil had 2% faint, red, unspecified mottles. High effervescence to 1 Molar HCl. Dry.	8.5			4.6	
			COMMENTS: 0					

#### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **140cm**

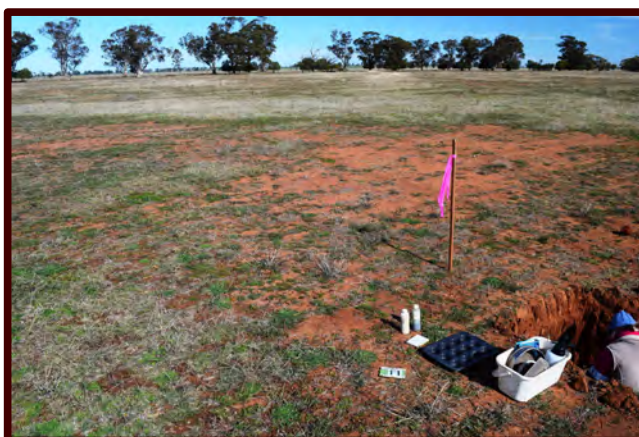
**Well drained**

**Moderately permeable**

Bottom of hole at 140



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT012 Sodic Eutrophic Red Chromosol

Excavated on: **22/07/2020** Logged by: Dr Robert Banks 613287m E, 6392159m N, (WGS84), 263.5m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **soft**

Groundcover: **90%**

Dry: **hard set**

### Topography


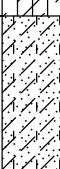


Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Reddish brown silty clay loam with massive grade of structure and earthy . Wet. Clear boundary to:	6	▲	▲	0.2	
	A2		Reddish brown silty loam with massive grade of structure and earthy . Wet. Abrupt boundary to:	6	▲	▲	0.1	
50	B1		Red light clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Soil had 25% unspecified mottles. Wet. Gradual boundary to:	6.5	▲	▲	0.1	
	B22		Strong brown medium clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Soil had 25% unspecified mottles. Wet.	7	▲	▲	0.2	
100								
			COMMENTS: 0					

### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **70cm**

**Imperfectly drained**

**Slowly permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT013

### Vertic Hypocalcic Red Chromosol

Excavated on: **22/08/2020** Logged by: Dr Robert Banks 614153m E, 6392061m N, (WGS84), 267.1m AHD

#### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **rainfed cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: **95%**

Dry: **hard set**

#### Topography





Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dusky red clay loam with massive grade of structure and earthy . Moist. Clear boundary to:	6	▲	▲	0.2	
	B1		Dark reddish brown light clay with strong grade of angular blocky structure and smooth-faced 1.5 cm peds. Moist. Gradual boundary to:	6.5	▲	▲	0.2	
50	B2		Dark yellowish brown medium clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Moist. Diffuse boundary to:	7	▲	▲	0.1	
100	B22		Red medium clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Few (2-10%), very coarse (20-60mm), weak, calcareous soft segregations. Slight effervescence to 1 Molar HCl. Moderately moist. COMMENTS: 0	8	▲	▲	0.2	

#### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

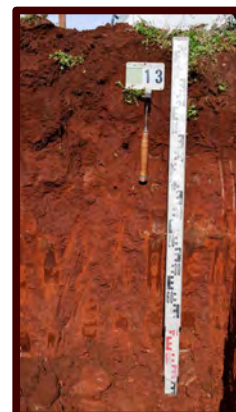
Rootzone: **120cm**

**Moderately well drained**

**Moderately permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT014 Eutrophic Mottled-Subnatic Red Sodosol

Excavated on: **22/07/2020** Logged by: Dr Robert Banks 614072m E, 6392796m N, (WGS84), 266.6m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **rainfed cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **soft**

Groundcover: **80%**

Dry: **hard set**

### Topography

Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown clay loam with massive grade of structure and earthy . Moist. Abrupt boundary to:	5.5			0.6	
	A2		Red silty clay loam with massive grade of structure and earthy . Wet. Clear boundary to:	6			0.3	
	B1		Red light medium clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Soil had 7% distinct, unspecified mottles. Moist. Gradual boundary to:	6			0.2	
50								
	C		Reddish brown sandy loam with massive grade of structure and earthy . Soil had 15% distinct, unspecified mottles. Slight effervescence to 1 Molar HCl. Moderately moist.	6			0.2	
100								
			COMMENTS: 0 Bottom of hole at 130				0.5	

### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **70cm**

**Imperfectly drained**

**Slowly permeable**



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**Tomingley Gold Extension Project for Alkane Resources**  
**Detailed batter MT015** Eutrophic Mottled-Subnatric Red Sodosol

Excavated on: **22/07/2020** Logged by: Dr Robert Banks 614002m E, 6393019m N, (WGS84), 266.5m AHD

**Landscape Properties**

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **soft**

Groundcover: **60%**

Dry: **hard set**

**Topography**




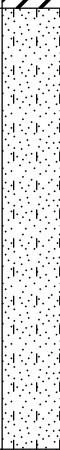
Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Reddish brown silty clay loam with massive grade of structure and earthy . Wet. Clear boundary to:	5.5			0.2	
	A2		Reddish brown silty clay loam with massive grade of structure and earthy . Moist. Sharp boundary to:	5.5			0.4	
							0.4	
50	B2		Yellowish red medium clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Soil had 7% faint, unspecified mottles. Moist. Clear boundary to:	6			0.5	
	0		Red clayey sand with massive grade of structure and earthy . Many (20-50%), parent material fine gravel (2-6mm). Dry.	7.5			0.8	
100								
			COMMENTS: 0					

**Lithology**

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **65cm**

**Imperfectly drained**

**Slowly permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT021

Haplic Hypocalcic Brown Chromosol

Excavated on: **23/07/2020** Logged by: Dr Robert Banks 612839m E, 6389353m N, (WGS84), 262.5m AHD

### Landscape Properties

Landform Element: **footslope**

Vegetation Community:

Growth Form:

Site Disturbance: **cleared, no cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: **70%**

Dry: **hard set**

### Topography





Slope: **1%** Northeastern Aspect

Site Morphology: **lower slope**

Slope Morphology: **Waning**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0.5 1	Proportion Concretions 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown silty clay loam with moderate grade of crumb structure and smooth-faced 0.5 cm peds. Moist. Abrupt boundary to:	6			0.3	
	B1		Reddish brown light medium clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Moist. Clear boundary to:	6.5			0.1	
50	B2		Strong brown medium heavy clay with strong grade of prismatic structure and smooth-faced 5.5 cm peds. Few (2-10%), fine (<2mm), weak, calcareous root linings. Soil had 15% prominent, dark, unspecified mottles. Moist. Clear boundary to:	8.5			0.4	
100	B22		Brownish yellow silty clay with strong grade of prismatic structure and smooth-faced 5.5 cm peds. Very few (<2%), substrate gravel (6-20mm). Few (2-10%), coarse (6-20mm), weak, calcareous soft segregations. Soil had 15% prominent, dark, unspecified mottles. Moist.	8			0.4	
			COMMENTS: 0  Bottom of hole at 120					

### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **120cm**

**Imperfectly drained**

**Moderately permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT022 Hypocalcic Subnatric Red Sodosol

Excavated on: **23/07/2020** Logged by: Dr Robert Banks 612337m E, 6388951m N, (WGS84), 260.7m AHD

### Landscape Properties

Landform Element: **footslope**

Vegetation Community:

Growth Form:

Site Disturbance: **cleared, no cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: **100%**

Dry: **hard set**

### Topography





Slope: **3%** Flat Aspect

Site Morphology: **lower slope**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Reddish brown silty clay loam with weak grade of crumb structure and smooth-faced . Moist. Abrupt boundary to:	5.5	▲	▲	0.3	
	B1		Yellowish red medium heavy clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Moist. Clear boundary to:	6.5	▲	▲	0.2	
50	B2		Yellowish red medium clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Few (2-10%), coarse (6-20mm), weak, calcareous soft segregations. Moist. Clear boundary to:	7.5	▲	▲	0.3	
100	B22		light clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Very few (<2%), coarse (6-20mm), weak, calcareous soft segregations. Soil had 7% red, unspecified mottles. Slight effervescence to 1 Molar HCl. Moist.	7.5	▲	▲	0.8	
			COMMENTS: 0  Bottom of hole at 110					

### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

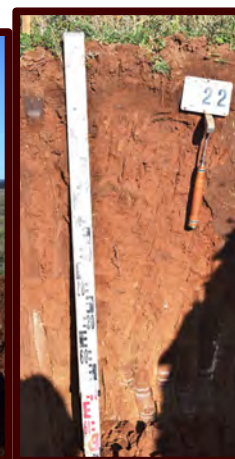
Rootzone: **120cm**

**Moderately well drained**

**Moderately permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT023 Haplic Hypocalcic Red Chromosol

Excavated on: **23/07/2020** Logged by: Dr Robert Banks 612878m E, 6388994m N, (WGS84), 263m AHD

### Landscape Properties

Landform Element: **footslope**

Vegetation Community:

Growth Form:

Site Disturbance: **rainfed cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: **85%**

Dry: **hard set**

### Topography




Slope: **1%** Flat Aspect

Site Morphology: **lower slope**

Slope Morphology: **Waning**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Reddish brown sandy clay loam with massive grade of structure and earthy. Moist. Abrupt boundary to:	5.5	▲	▲	0.2	
	B2		Red medium clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Moderately moist. Diffuse boundary to:	6.5	▲	▲	0.2	
50							0.1	
	B22		Yellowish red medium heavy clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Few (2-10%), coarse (6-20mm), weak, calcareous soft segregations. Soil had 7% red, unspecified mottles. High effervescence to 1 Molar HCl. Moderately moist.	8	▲	▲	0.1	
100								
			COMMENTS: 0 Bottom of hole at 120					

### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **70cm**

**Imperfectly drained**

**Moderately permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT024 Haplic Hypocalcic Red Chromosol

Excavated on: **23/07/2020** Logged by: Dr Robert Banks 613378m E, 6389472m N, (WGS84), 265m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **cleared, no cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **soft**

Groundcover: **80%**

Dry: **hard set**

### Topography




Slope: **2%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown silty clay loam with massive grade of structure and earthy . Moist. Abrupt boundary to:	6			0.2	
	B2		Red light medium clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Few (2-10%), medium (2-6mm), weak, calcareous soft segregations. Moist. Diffuse boundary to:	6.5			0.4	
50							0.2	
	B2		Strong brown sandy clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Very few (<2%), medium (2-6mm), weak, calcareous soft segregations. Soil had 7% grey, unspecified mottles. Slight effervescence to 1 Molar HCl. Moist.	8			0.2	
100								
			COMMENTS: 0 Bottom of hole at 120					

### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **80cm**

**Moderately well drained**

**Moderately permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT025 Hypocalcic Mesonatric Red Sodosol

Excavated on: **24/07/2020** Logged by: Dr Robert Banks 613416m E, 6389726m N, (WGS84), 265m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **soft**

Groundcover: **85%**

Dry: **hard set**

### Topography

Slope: **2%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown silty clay loam with massive grade of structure and earthy . Dry. Sharp boundary to:	5.5			0.2	
	A2		Red silty clay loam with massive grade of structure and earthy . Dry.	5.5			0.1	
	B1		Sharp boundary to: Red medium heavy clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Moist. Clear boundary to:	7			0.2	
50							0.5	
	2B1		sandy clay with moderate grade of prismatic structure and smooth-faced 2.5 cm peds. Abundant (50-90%), parent material gravel (6-20mm). Very few (<2%), medium (2-6mm), weak, calcareous soft segregations. Soil had 15% distinct, grey, unspecified mottles. Slight effervescence to 1 Molar HCl. Moist.	8			0.7	
100								
			COMMENTS: 0 Bottom of hole at 120					

### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **75cm**

**Imperfectly drained**

**Slowly permeable**



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**Tomingley Gold Extension Project for Alkane Resources**  
**Detailed pit MT026** Haplic Hypocalcic Red Chromosol

Excavated on: **24/07/2020** Logged by: Dr Robert Banks 612752m E, 6389715m N, (WGS84), 261.9m AHD

**Landscape Properties**

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: **70%**

Dry: **hard set**

**Topography**




Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown silty clay loam with massive grade of structure and earthy . Moderately moist. Abrupt boundary to:	6			0.2	
	B2		Red medium clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Moist. Gradual boundary to:	7			0.2	
50							0.2	
	B22		Yellowish red medium heavy clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Very few (<2%), coarse (6-20mm), weak, calcareous soft segregations. Slight effervescence to 1 Molar HCl. Wet.	8			0.4	
100								
			COMMENTS: 0  Bottom of hole at 120					

**Lithology**

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **120cm**

**Moderately well drained**

**Moderately permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT028

### Vertic Hypocalcic Red Chromosol

Excavated on: **24/07/2020** Logged by: Dr Robert Banks 613590m E, 6389081m N, (WGS84), 266m AHD

#### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: **60%**

Dry: **hard set**

#### Topography

Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown silty clay loam with massive grade of structure and earthy . Dry. Abrupt boundary to:	5.5			0.3	
	B1		Reddish brown medium heavy clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Moderately moist. Clear boundary to:	6			0.7	
50							0.3	
	B22		Brown medium heavy clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Few (2-10%), coarse (6-20mm), weak, calcareous soft segregations. Soil had 2% faint, pale, unspecified mottles. Slight effervescence to 1 Molar HCl. Moderately moist. Gradual boundary to:	7.5			0.5	
100	B23		Brown medium clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Very few (<2%), coarse (6-20mm), weak, calcareous soft segregations. Slight effervescence to 1 Molar HCl. Moderately moist.	8.5				
			COMMENTS: 0					

Bottom of hole at 125

#### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **120cm**

**Moderately well drained**

**Moderately permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT029

### Vertic Eutrophic Brown Chromosol

Excavated on: **23/07/2020** Logged by: Dr Robert Banks 613919m E, 6389138m N, (WGS84), 267.5m AHD

#### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: **95%**

Dry: **hard set**

#### Topography

Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark brown silty clay loam with massive grade of structure and earthy . Dry. Abrupt boundary to:	5.5			0.2	
	A2		Brown silty clay loam with massive grade of structure and earthy . Moderately moist. Sharp boundary to:	5.5			0.2	
50	B1		Strong brown medium heavy clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Moderately moist. Gradual boundary to:	6.5			0.2	
							0.2	
100	B22		Dark yellowish brown medium clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Soil had 15% distinct, unspecified mottles. Moderately moist.	6			0.3	
			COMMENTS: 0  Bottom of hole at 130					

#### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

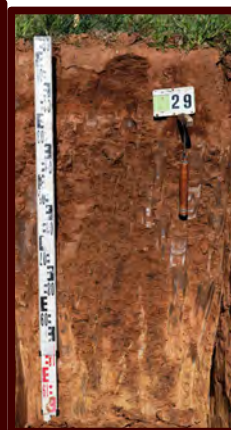
Rootzone: **120cm**

**Imperfectly drained**

**Slowly permeable**



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**Tomingley Gold Extension Project for Alkane Resources**  
**Detailed pit MT030**      **Vertic Mottled-Subnatric Brown Sodosol**

Excavated on: **24/07/2020** Logged by: Dr Robert Banks 614044m E, 6388708m N, (WGS84), 268.4m AHD

**Landscape Properties**

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: **90%**

Dry: **hard set**

**Topography**

Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth:    Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Brown silty clay loam with massive grade of structure and earthy . Moderately moist. Sharp boundary to:	6			0.4	
	B1		Dark brown silty clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Moderately moist. Clear boundary to:	6			0.2	
							0.2	
50	B2		Brown medium heavy clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Soil had 7% prominent, unspecified mottles. Slight effervescence to 1 Molar HCl. Moderately moist. Gradual boundary to:	8			0.3	
	B22		Yellowish brown medium heavy clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Very few (<2%), medium (2-6mm), weak, calcareous soft segregations. Soil had 15% prominent, gley, unspecified mottles. Slight effervescence to 1 Molar HCl. Moderately moist.	8.5			0.8	
100								
			COMMENTS: 0  Bottom of hole at 120					

**Lithology**

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **70cm**

**Imperfectly drained**

**Slowly permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT031

### Vertic Mottled-Subnatric Red Sodosol

Excavated on: **24/07/2020** Logged by: Dr Robert Banks 613924m E, 6389487m N, (WGS84), 267.3m AHD

#### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **soft**

Groundcover: **65%**

Dry: **hard set**

#### Topography

Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown clay loam with massive grade of structure and earthy . Moderately moist. Clear boundary to:	5.5			0.2	
	A2		Reddish brown silty clay loam with massive grade of structure and earthy . Moderately moist. Abrupt boundary to:	6			0.1	
50	B2		Yellowish red light medium clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Soil had 7% unspecified mottles. Moderately moist. Gradual boundary to:	0			0.2	
	B22		Yellowish red sandy clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Very few (<2%), coarse (6-20mm), weak, calcareous soft segregations. Soil had 15% grey, unspecified mottles. Slight effervescence to 1 Molar HCl. Moderately moist. Gradual boundary to:	7			0.8	
100	BC		Yellowish red light medium clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Few (2-10%), parent material coarse gravel (20-60mm). Very few (<2%), medium (2-6mm), weak, calcareous soft segregations. Soil had 25% gley, unspecified mottles. Slight effervescence to 1 Molar HCl. Moderately moist.	8				
			COMMENTS: 0  Bottom of hole at 125					

#### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **100cm**

**Imperfectly drained**

**Slowly permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT032 Haplic Hypocalcic Red Chromosol

Excavated on: **24/07/2020** Logged by: Dr Robert Banks 614537m E, 6389186m N, (WGS84), 271.5m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **soft**

Groundcover: **50%**

Dry: **hard set**

### Topography

Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Reddish brown silty clay loam with massive grade of structure and earthy . Moderately moist. Sharp boundary to:	6.5			0.1	
	A2		Red sandy clay loam with massive grade of structure and earthy . Very few (<2%), fine (<2mm), , calcareous root linings. High effervescence to 1 Molar HCl. Moderately moist. Abrupt boundary to:	8.5			0.5	
							0.4	
50	2B2		Reddish brown light medium clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Few (2-10%), fine (<2mm), , calcareous root linings. High effervescence to 1 Molar HCl. Moderately moist. Gradual boundary to:	8.5			0.5	
	2C		Brown sandy clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Many (20-50%), parent material gravel (6-20mm). Very few (<2%), medium (2-6mm), , calcareous soft segregations. Soil had 7% grey, unspecified mottles. High effervescence to 1 Molar HCl. Moderately moist.	9			0.4	
100								
			COMMENTS: 0  Bottom of hole at 110					

### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

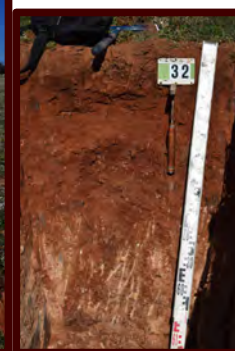
Rootzone: **80cm**

**Moderately well drained**

**Moderately permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT033 Hypocalcic Mottled-Subnatric Red Sodosol

Excavated on: **24/07/2020** Logged by: Dr Robert Banks 614557m E, 6388888m N, (WGS84), 271.4m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **soft**

Groundcover: **60%**

Dry: **hard set**

### Topography

Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown silty clay loam with massive grade of structure and earthy . Dry. Clear boundary to:	5.5			0.2	
	A2		Brown sandy clay loam with massive grade of structure and earthy . Moderately moist. Sharp boundary to:	5.5			0.1	
							0.1	
50	B1		Yellowish red medium heavy clay with strong grade of columnar structure and smooth-faced 20.5 cm peds, breaking to prismatic peds of 5.5 cm. Soil had 2% unspecified mottles. Slight effervescence to 1 Molar HCl. Dry. Gradual boundary to:	6			0.2	
100	B22		Yellowish red medium heavy clay with strong grade of prismatic structure and smooth-faced 5.5 cm peds. Few (2-10%), rock outcrop gravel (6-20mm). Very few (<2%), fine (<2mm), weak, calcareous fragments. Slight effervescence to 1 Molar HCl. Dry.	8			0.6	
			COMMENTS: 0 Bottom of hole at 130					

### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **55cm**

**Poorly drained**

**Very slowly permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT034

Class Undetermined No available class Stratic  
**Rudosol**

Excavated on: **24/07/2020** Logged by: Dr Robert Banks 614638m E, 6389680m N, (WGS84), 271.4m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **soft**

Groundcover: **70%**

Dry: **hard set**

### Topography





Slope: **2%** Southern Aspect

Site Morphology: **open depression**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown silty clay loam with massive grade of structure and earthy . Dry. Sharp boundary to:	6.5			0.2	
	2A1		Reddish brown medium clay with strong grade of polyhedral structure and smooth-faced 1 cm peds. High effervescence to 1 Molar HCl. Moderately moist. Clear boundary to:	8.5			0.4	
	2B2		Strong brown medium heavy clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds, breaking to lenticular peds of 1.5 cm. Common (10-20%), very coarse (20-60mm), , calcareous soft segregations. High effervescence to 1 Molar HCl. Moderately moist. Gradual boundary to:	8.5			2.6	
50							6	
	2B22		Pale red heavy clay with strong grade of prismatic structure and smooth-faced 5.5 cm peds, breaking to lenticular peds of 1.5 cm. Few (2-10%), coarse (6-20mm), , calcareous soft segregations. Soil had 7% prominent, red, unspecified mottles. High effervescence to 1 Molar HCl. Moderately moist.	7.5			6.5	
100								
			COMMENTS: 0  Bottom of hole at 130					

### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **80cm**

**Imperfectly drained**

**Slowly permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT035 Sodic Hypocalcic Red Kandosol

Excavated on: **24/07/2020** Logged by: Dr Robert Banks 614591m E, 6390197m N, (WGS84), 271.2m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **extensive clearing**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: **100%**

Dry: **hard set**

### Topography

Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0.5 1	Proportion Concretions 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dusky red sandy clay loam with massive grade of structure and earthy . Moderately moist. Gradual boundary to:	5.5			0.5	
	B2		Red clay loam sandy with massive grade of structure and earthy . Moderately moist. Clear boundary to:	6			0.2	
50							0.1	
	2B2		Red light medium clay with strong grade of angular blocky structure 1.5 cm peds. Many (20-50%), parent material gravel (6-20mm). Moderately moist. Clear boundary to:	6			0.1	
	2BC		Yellowish red medium clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Very few (<2%), coarse (6-20mm), weak, calcareous soft segregations. Soil had 7% grey, unspecified mottles. Moderately moist.	6.5			0.2	
100								
			COMMENTS: 0					

### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **120cm**

**Moderately well drained**

**Moderately permeable**

Bottom of hole at 140



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT036 Haplic Hypocalcic Red Kandosol

Excavated on: **24/07/2020** Logged by: Dr Robert Banks 614976m E, 6390022m N, (WGS84), 273.5m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: **100%**

Dry: **hard set**

### Topography

Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A		Dusky red sandy clay loam with massive grade of structure and earthy . Moderately moist. Diffuse boundary to:	6			0.4	
	B1		Red clay loam sandy with massive grade of structure and earthy . Very few (<2%), fine (<2mm), weak, calcareous veins. Slight effervescence to 1 Molar HCl. Moist. Gradual boundary to:	8			0.5	
50							0.3	
	2B2		Red clay loam sandy with massive grade of structure and earthy . Very few (<2%), fine (<2mm), weak, calcareous veins. Slight effervescence to 1 Molar HCl. Moist.	6.5			0.4	
100								
			COMMENTS: 0					

### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **130cm**

**Well drained**

**Moderately permeable**

Bottom of hole at 140



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT037 Eutrophic Subnatric Red Sodosol

Excavated on: **20/08/2020** Logged by: Dr Robert Banks 613962m E, 6390278m N, (WGS84), 267.9m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **soft**

Groundcover: **75%**

Dry: **hard set**

### Topography

Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Reddish brown sandy clay loam with massive grade of structure and earthy . Wet. Clear boundary to:	5.5			0.2	
	A2		Yellowish red sandy clay loam with massive grade of structure and earthy . Wet. Abrupt boundary to:	5.5			0.1	
							0.1	
	B2		Red medium clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Wet. Clear boundary to:	6.5			0.2	
50	B22		Red medium clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Moderately moist. Clear boundary to:	7				
	0		Yellowish red clay loam sandy with strong grade of prismatic structure and smooth-faced 5.5 cm peds. Many (20-50%), substrate gravel (6-20mm). Soil had 15% unspecified mottles. Dry.	7.5			0.3	
100								
			COMMENTS: 0  Bottom of hole at 120					

### Lithology

Substrate: **alluvium**

Base of Observations:

soil continues

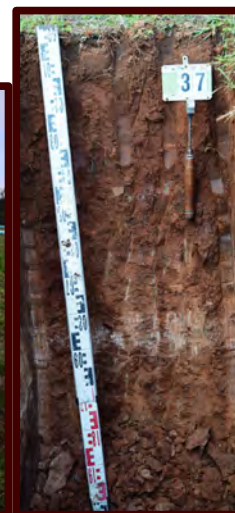
Rootzone: **80cm**

Moderately well drained

Moderately permeable



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT038 Eutrophic Mottled-Subnatic Red Sodosol

Excavated on: **20/08/2020** Logged by: Dr Robert Banks 614413m E, 6389922m N, (WGS84), 270m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **extensive clearing**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: **55%**

Dry: **hard set**

### Topography





Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown silty clay loam with massive grade of structure and earthy . Wet. Clear boundary to:	5.5			0.2	
	A2		Reddish brown silty clay loam with massive grade of structure and earthy . Moist. Abrupt boundary to:	6			0.1	
50	B2		Red light medium clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Soil had 15% distinct, unspecified mottles. Moderately moist. Clear boundary to:	6.5			0.2	
100	D		Yellowish red medium clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Many (20-50%), parent material coarse gravel (20-60mm). Very few (<2%), medium (2-6mm), strong, calcareous fragments. Soil had 25% prominent, grey, unspecified mottles. Moderately moist.	8			0.4	
			COMMENTS: 0  Bottom of hole at 130					

### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **80cm**

**Imperfectly drained**

**Slowly permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT039

### Vertic Hypocalcic Red Chromosol

Excavated on: **20/08/2020** Logged by: Dr Robert Banks 614955m E, 6390404m N, (WGS84), 272.9m AHD

#### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: **90%**

Dry: **hard set**

#### Topography

Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown clay loam with massive grade of structure and earthy . Wet. Clear boundary to:	5.5			0.2	
	A2		Reddish brown silty clay loam with massive grade of structure and earthy . Wet. Abrupt boundary to:	6			0.2	
							0.1	
	B1		Dark red light medium clay with strong grade of angular blocky structure and smooth-faced 1.5 cm peds. Moist. Abrupt boundary to:	7			0.2	
50	B22		Red light clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Very few (<2%), medium (2-6mm), strong, calcareous fragments. Moderately moist. Abrupt boundary to:	7			0.1	
100	D		Dark reddish brown sandy clay loam with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Dry.	7.5				
			COMMENTS: 0  Bottom of hole at 125					

#### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

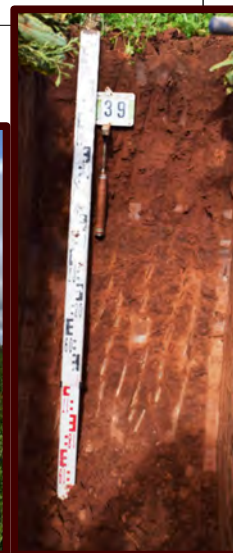
Rootzone: **110cm**

**Moderately well drained**

**Moderately permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT040 Hypocalcic Mesonatric Red Sodosol

Excavated on: **20/08/2020** Logged by: Dr Robert Banks 614879m E, 6390711m N, (WGS84), 271.2m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **soft**

Groundcover: **100%**

Dry: **hard set**

### Topography

Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown silty clay loam with massive grade of structure and earthy . Wet. Clear boundary to:	6			0.2	
	A2		Dark red silty clay loam with massive grade of structure and earthy . Wet. Abrupt boundary to:	6			0.1	
							0.1	
50	B2		Red medium clay with strong grade of angular blocky structure and smooth-faced 1.5 cm peds. Slight effervescence to 1 Molar HCl. Moist. Diffuse boundary to:	7.5			0.3	
100	B22		Yellowish red medium clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Very few (<2%), fine (<2mm), strong, calcareous fragments. Soil had 2% faint, yellow, unspecified mottles. Slight effervescence to 1 Molar HCl. Moderately moist.	8.5			0.5	
			COMMENTS: 0  Bottom of hole at 120					

### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **100cm**

**Imperfectly drained**

**Moderately permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT041

### Epicalcareous Epipedal Grey Vertosol

Excavated on: **20/08/2020** Logged by: Dr Robert Banks 614504m E, 6390868m N, (WGS84), 269.6m AHD

#### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **extensive clearing**

Land Use: **improved pasture** Groundcover: **70%**

Surface Condition Wet: **firm** Dry:

#### Topography




Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **gilgai** Depth: **70** Extent: **> 50% area**

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark brown light medium clay with strong grade of crumb structure and smooth-faced 0.5 cm peds. Moist. Clear boundary to:	7			0.6	
	B1		Dark greyish brown medium clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Few (2-10%), coarse (6-20mm), weak, calcareous soft segregations. Soil had 2% distinct, orange, unspecified mottles. High effervescence to 1 Molar HCl. Moist. Gradual boundary to:	9			0.4	
50							0.3	
	B22		Greyish brown medium heavy clay with strong grade of prismatic structure and smooth-faced 5.5 cm peds. Common (10-20%), coarse (6-20mm), weak, calcareous soft segregations. Soil had 15% prominent, gley, unspecified mottles. High effervescence to 1 Molar HCl. Dry.	9			0.5	
100							0.7	
			COMMENTS: 0  Bottom of hole at 120					

#### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **85cm**

**Very poorly drained**

**Slowly permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT042 Haplic Eutrophic Red Chromsol

Excavated on: **20/08/2020** Logged by: Dr Robert Banks 614774m E, 6391672m N, (WGS84), 271.5m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **rainfed cultivation**

Land Use: **cropping**

Surface Condition Wet: **firm**

Groundcover: **75%**

Dry: **hard set**

### Topography

Slope: **0%** Western Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown clay loam with massive grade of structure and earthy . Few (2-10%), quartz coarse gravel (20-60mm). Clods were not dispersive, and in distilled water. Moist. Abrupt boundary to:	6			0.6	
	B2		Dark red medium clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Moderately moist. Gradual boundary to:	6			0.2	
50	C		Andesitic saprolite with massive grade of structure and earthy . Moderately moist.	0			0.2	
100			COMMENTS: 0 Bottom of hole at 105					

### Lithology

Substrate: **alluvium**

Base of Observations:

**bedrock reached**

Rootzone: **55cm**

**Moderately well drained**

**Moderately permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT043

### Vertic Hypocalcic Red Dermosol

Excavated on: **20/08/2020** Logged by: Dr Robert Banks 614406m E, 6391982m N, (WGS84), 268.2m AHD

#### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **cropping**

Surface Condition Wet: **firm**

Groundcover: **75%**

Dry: **hard set**

#### Topography




Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0.5 1	Proportion Concretions 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark reddish brown light clay with moderate grade of polyhedral structure and smooth-faced 0.7 cm peds. Moist. Clear boundary to:	6	↑	↑	0.2	
	B2		Red medium clay with strong grade of angular blocky structure and smooth-faced 1 cm peds. Moist. Gradual boundary to:	6.5	↑	↑	0.2	
50	B22		Strong brown medium heavy clay with strong grade of angular blocky structure and smooth-faced 1.5 cm peds. Very few (<2%), fine (<2mm), weak, calcareous fragments. Soil had 2% faint, yellow, unspecified mottles. Slight effervescence to 1 Molar HCl. Moist.	7	↑	↑	0.1	
100								
			COMMENTS: 0  Bottom of hole at 120					

#### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **120cm**

**Moderately well drained**

**Moderately permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT044

Epicalcareous-Epihypersodic Epipedal Red  
**Vertosol**

Excavated on: **20/08/2020** Logged by: Dr Robert Banks 614508m E, 6392374m N, (WGS84), 269.7m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **rainfed cultivation**

Land Use: **cropping**

Surface Condition Wet: **soft**

Groundcover: **5%**

Dry: **cracked**

### Topography




Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **gilgai** Depth: **30** Extent: **<= 50% area**

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0.5 1	Proportion Concretions 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark brown light medium clay with strong grade of polyhedral structure and smooth-faced 0.5 cm peds. Wet. Diffuse boundary to:	6.5			0.3	
	B1		Reddish brown medium clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Few (2-10%), coarse (6-20mm), weak, calcareous soft segregations. Soil had 15% distinct, dark, unspecified mottles. High effervescence to 1 Molar HCl. Wet. Diffuse boundary to:	9			0.7	
50							0.8	
	B2		Yellowish red medium heavy clay with strong grade of lenticular structure and smooth-faced 1 cm peds. Slight effervescence to 1 Molar HCl. Wet.	9			2.3	
100								
			COMMENTS: 0  Bottom of hole at 120					

### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **120cm**

**Poorly drained**

**Very slowly permeable**



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**Tomingley Gold Extension Project for Alkane Resources**  
**Detailed pit MT045** Episodic-Endocalcareous Epipedal Red **Vertosol**

Excavated on: **20/08/2020** Logged by: Dr Robert Banks 614873m E, 6392356m N, (WGS84), 272.3m AHD

**Landscape Properties**

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **cropping**

Surface Condition Wet: **soft**

Groundcover: **95%**

Dry: **hard set**

**Topography**

Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **gilgai** Depth: **30** Extent: **> 50% area**

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A		Dark reddish brown light clay with strong grade of polyhedral structure and smooth-faced 0.7 cm peds. Wet. Diffuse boundary to:	6			0.5	
	B2		Reddish brown light medium clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Common (10-20%), , , calcareous soft segregations. High effervescence to 1 Molar HCl. Wet. Diffuse boundary to:	8.5			2.1	
50							4.6	
							8.9	
	B22		Brown medium heavy clay with strong grade of lenticular structure and smooth-faced 2.5 cm peds. Very few (<2%), , weak, calcareous soft segregations. Soil had 25% prominent, grey, unspecified mottles. Slight effervescence to 1 Molar HCl. Wet.	8			10.1	
100								
			COMMENTS: 0  Bottom of hole at 125					

**Lithology**

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **120cm**

**Imperfectly drained**

**Slowly permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT046

### Sodic Hypocalcic Red Kandosol

Excavated on: **20/08/2020** Logged by: Dr Robert Banks 614936m E, 6392797m N, (WGS84), 270.5m AHD

#### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **improved pasture**

Surface Condition Wet: **firm**

Groundcover: **100%**

Dry: **hard set**

#### Topography

Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Reddish brown silty clay loam with massive grade of structure and earthy . Moist. Clear boundary to:	6			0.3	
	B1		Reddish brown silty clay loam with massive grade of structure and earthy . Wet. Clear boundary to:	6			0.1	
50	2D		Dark red sandy clay loam with strong grade of angular blocky structure and smooth-faced . Dry. Gradual boundary to:	6.5			0.2	
100	3D		Yellowish red sandy clay with strong grade of prismatic structure and smooth-faced . Many (20-50%), parent material coarse gravel (20-60mm). Very few (<2%), fine (<2mm), strong, calcareous fragments. Soil had 7% faint, grey, unspecified mottles. Slight effervescence to 1 Molar HCl. Moderately moist.	7.5			0.4	
			COMMENTS: 0  Bottom of hole at 120					

#### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

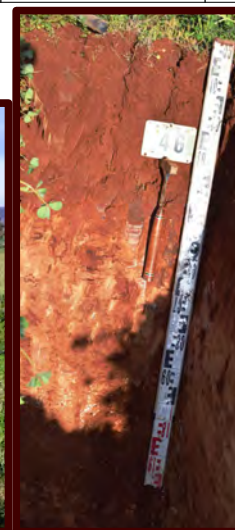
Rootzone: **80cm**

**Moderately well drained**

**Moderately permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT047

### Vertic Mesonatric Red Sodosol

Excavated on: **21/08/2020** Logged by: Dr Robert Banks 614846m E, 6391042m N, (WGS84), 271.6m AHD

#### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **occasional cultivation**

Land Use: **cropping**

Surface Condition Wet: **soft**

Groundcover: **85%**

Dry: **hard set**

#### Topography





Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dusky red silty clay loam with massive grade of structure and earthy . Wet. Clear boundary to:	5.5			0.4	
	B1		Dusky red medium clay with strong grade of angular blocky structure and smooth-faced 1.5 cm peds. Moist. Gradual boundary to:	6.5			0.2	
50	B2		Red medium heavy clay with strong grade of angular blocky structure and smooth-faced 2.5 cm peds. Moderately moist. Gradual boundary to:	7			0.3	
	B22		Yellowish red light medium clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Common (10-20%), parent material gravel (6-20mm). Very few (<2%), fine (<2mm), strong, calcareous fragments. Slight effervescence to 1 Molar HCl. Moderately moist.	7.5			0.4	
100							0.6	
			COMMENTS: 0  Bottom of hole at 120					

#### Lithology

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **120cm**

**Moderately well drained**

**Moderately permeable**



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**Tomingley Gold Extension Project for Alkane Resources**  
**Detailed pit MT048** Epicalcareous Self-mulching Red Vertosol

Excavated on: **21/08/2020** Logged by: Dr Robert Banks 615285m E, 6391786m N, (WGS84), 277.9m AHD

**Landscape Properties**

Landform Element: **footslope**

Vegetation Community:

Growth Form:

Site Disturbance: **rainfed cultivation**

Land Use: **cropping**

Surface Condition Wet: **soft**

Groundcover: **85%**

Dry: **cracked**

**Topography**





Slope: **2%** Western Aspect

Site Morphology: **lower slope**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	Ap		Dark brown silty clay with strong grade of polyhedral structure and rough-faced 0.7 cm peds. Wet. Gradual boundary to:	7			0.3	
	B1		Dark reddish brown medium clay with strong grade of prismatic structure and rough-faced 2.5 cm peds. Moist. Gradual boundary to:	8.5			0.3	
							0.6	
50	B2		Yellowish red medium heavy clay with strong grade of prismatic structure and rough-faced 2.5 cm peds. Common (10-20%), coarse (6-20mm), weak, calcareous soft segregations. High effervescence to 1 Molar HCl. Moist. Gradual boundary to:	8.5			1.4	
100	B22		Brown medium heavy clay with strong grade of prismatic structure and rough-faced 5.5 cm peds. Very few (<2%), coarse (6-20mm), weak, calcareous soft segregations. Slight effervescence to 1 Molar HCl. Moderately moist.	9			3.3	
			COMMENTS: 0  Bottom of hole at 120					

**Lithology**

Substrate: **colluvium**

Base of Observations:

**soil continues**

Rootzone: **120cm**

**Moderately well drained**

**Moderately permeable**



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**Tomingley Gold Extension Project for Alkane Resources**  
**Detailed pit MT049** Episodic-Epicalcareous Epipedal Brown Vertosol

Excavated on: **21/08/2020** Logged by: Dr Robert Banks 615217m E, 6392467m N, (WGS84), 273.3m AHD

**Landscape Properties**

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **extensive clearing**

Land Use: **volun./native pasture** Groundcover: **60%**

Surface Condition Wet: **firm**

Dry: **hard set**

**Topography**




Slope: **0%** Flat Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **gilgai** Depth: **30** Extent: **> 50% area**

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Brown light medium clay with strong grade of subangular blocky structure and smooth-faced 1.5 cm peds. Soil had 25% distinct, unspecified mottles. High effervescence to 1 Molar HCl. Moist. Clear boundary to:	6.5			0.5	
	B2		Brown medium heavy clay with strong grade of prismatic structure and smooth-faced 2.5 cm peds. Very few (<2%), coarse (6-20mm), , calcareous soft segregations. High effervescence to 1 Molar HCl. Wet. Diffuse boundary to:	9			0.8	
50							3.8	
							8.2	
	B22		Greyish brown heavy clay with strong grade of prismatic structure and smooth-faced 5.5 cm peds. Common (10-20%), coarse (6-20mm), , calcareous soft segregations. High effervescence to 1 Molar HCl. Moist.	6			10.6	
100								
			COMMENTS: 0  Bottom of hole at 120					

**Lithology**

Substrate: **alluvium**

Base of Observations:

**soil continues**

Rootzone: **60cm**

**Very poorly drained**

**Very slowly permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT050

No available class No available class Cumulic  
**Anthroposol**

Excavated on: **21/08/2020** Logged by: Dr Robert Banks 614472m E, 6392784m N, (WGS84), 269.1m AHD

### Landscape Properties

Landform Element: **mound**

Vegetation Community:

Growth Form:

Site Disturbance: **highly disturbed**

Land Use: **industrial**

Surface Condition Wet: **firm**

Groundcover: **90%**

Dry: **hard set**

### Topography

Slope: **0%** Flat Aspect

Site Morphology: **crest**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
	F1		Dark yellowish brown silty loam with massive grade of structure and earthy . High effervescence to 1 Molar HCl. Moist. Clear boundary to:	8.5			0.6	
	F2		Light olive brown silty loam with massive grade of structure and earthy . High effervescence to 1 Molar HCl. Moderately moist. Clear boundary to:	9			1.1	
	F3		Light yellowish brown silty loam with massive grade of structure and earthy . Very few (<2%), fine (<2mm), strong, calcareous fragments. High effervescence to 1 Molar HCl. Dry. Clear boundary to:	9			10.4	
50							18.5	
	F		Light olive brown silty loam with massive grade of structure and earthy . Very few (<2%), medium (2-6mm), strong, calcareous fragments. High effervescence to 1 Molar HCl. Dry. Clear boundary to:	9.5			21.1	
100								
			COMMENTS: 0  Bottom of hole at 120					

### Lithology

Substrate: **not identified**

Base of Observations:

**soil continues**

Rootzone: **30cm**

**Well drained**

**Moderately permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Exclusion MT051

Excavated on: **21/08/2020** Logged by: Dr Robert Banks 614559m E, 6391321m N, (WGS84), 269.5m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community: **woodland grass understory**

Growth Form:

Site Disturbance: **rainfed cultivation**

Land Use: **cropping**

Surface Condition Wet: **soft**

Groundcover: **65%**

Dry: **cracked**

### Topography

Slope: **0%** Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **gilgai** Depth: **70** Extent: **> 50% area**

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0.5 1	Proportion Concretions 0.5 1	Lab ECe (dS/m)	SAMPLE
50			COMMENTS: 0  Bottom of hole at 0					
100								

### Lithology

Substrate:

Base of Observations:

Rootzone: **cm**

**Very poorly drained**

**Very slowly permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Exclusion MT052

Excavated on: **21/08/2020** Logged by: Dr Robert Banks 614291m E, 6391118m N, (WGS84), 276m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community: **woodland grass understory**

Growth Form:

Site Disturbance: **limited clearing**

Land Use: **volun./native pasture** Groundcover: **50%**

Surface Condition Wet: **gravelly** Dry: **gravelly**

### Topography

Slope: **0%** Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **gilgai** Depth: **70** Extent: **> 50% area**

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0.5 1	Proportion Concretions 0.5 1	Lab ECe (dS/m)	SAMPLE
50			COMMENTS: 0  Bottom of hole at 0					
100								

### Lithology

Substrate:

Base of Observations:

Rootzone: **cm**

**Very poorly drained**

**Very slowly permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Exclusion MT053

Excavated on: **21/08/2020** Logged by: Dr Robert Banks 613888m E, 6389819m N, (WGS84), 269m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community: **woodland grass understory**

Growth Form:

Site Disturbance: **limited clearing**

Land Use: **volun./native pasture** Groundcover: **60%**

Surface Condition Wet: **gravelly** Dry: **gravelly**

### Topography

Slope: **0%** Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **gilgai** Depth: **70** Extent: **> 50% area**

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0.5 1	Proportion Concretions 0 0.5 1	Lab ECe (dS/m)	SAMPLE
50			COMMENTS: 0  Bottom of hole at 0					
100								

### Lithology

Substrate:

Base of Observations:

Rootzone: **cm**

**Very poorly drained**

**Very slowly permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Exclusion MT054

Excavated on: **21/08/2020** Logged by: Dr Robert Banks 615230m E, 6392185m N, (WGS84), 267.7m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community: **woodland grass understory**

Growth Form:

Site Disturbance: **extensive clearing**

Land Use: **swamp complex**

Surface Condition Wet: **soft**

Groundcover: **60%**

Dry: **hardset**

### Topography

Slope: **0%** Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **gilgai** Depth: **70** Extent: **> 50% area**

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0.5 1	Proportion Concretions 0.5 1	Lab ECe (dS/m)	SAMPLE
50			COMMENTS: 0  Bottom of hole at 0					
100								

### Lithology

Substrate:

Base of Observations:

Rootzone: **cm**

**Very poorly drained**

**Very slowly permeable**



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# Tomingley Gold Extension Project for Alkane Resources

## Exclusion MT101

Excavated on: **22/07/2020** Logged by: Dr Pat Hulme 613194m E, 6390900m N, (WGS84), 263.8m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **no effective disturbance**

Land Use: **volun./native pasture** Groundcover: %

Surface Condition Wet:

Dry:

### Topography

Slope: **0%** Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **gilgai** Depth: **70** Extent: **> 50% area**

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0.5 1	Proportion Concretions 0.5 1	Lab ECe (dS/m)	SAMPLE
50			COMMENTS: 0  Bottom of hole at 0					
100								

### Lithology

Substrate: **alluvium**

Base of Observations:

Rootzone: **cm**



Sustainable Soils Management  
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# Tomingley Gold Extension Project for Alkane Resources

## Exclusion MT102

Excavated on: **22/07/2020** Logged by: Dr Pat Hulme 613213m E, 6390649m N, (WGS84), 263.5m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **no effective disturbance**

Land Use: **volun./native pasture** Groundcover: %

Surface Condition Wet:

Dry:

### Topography

Slope: **0%** Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **gilgai** Depth: **70** Extent: **> 50% area**

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0.5 1	Proportion Concretions 0.5 1	Lab ECe (dS/m)	SAMPLE
50			COMMENTS: 0  Bottom of hole at 0					
100								

### Lithology

Substrate: **alluvium**

Base of Observations:

Rootzone: **cm**



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# Tomingley Gold Extension Project for Alkane Resources

## Exclusion MT103

Excavated on: **22/07/2020** Logged by: Dr Pat Hulme 613186m E, 6391252m N, (WGS84), 263.7m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **no effective disturbance**

Land Use: **volun./native pasture** Groundcover: %

Surface Condition Wet:

Dry:

### Topography

Slope: **0%** Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **gilgai** Depth: **70** Extent: **> 50% area**

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0.5 1	Proportion Concretions 0.5 1	Lab ECe (dS/m)	SAMPLE
50			COMMENTS: 0  Bottom of hole at 0					
100								

### Lithology

Substrate: **alluvium**

Base of Observations:

Rootzone: **cm**



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# Tomingley Gold Extension Project for Alkane Resources

## Exclusion MT105

Excavated on: **22/07/2020** Logged by: Dr Pat Hulme 613534m E, 6392235m N, (WGS84), 264.4m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance:

Land Use: **0**

Surface Condition Wet:

Groundcover: %

Dry:

### Topography

Slope: **0%** Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **gilgai** Depth: **70** Extent: **> 50% area**

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0.5 1	Proportion Concretions 0.5 1	Lab ECe (dS/m)	SAMPLE
50			COMMENTS: 0  Bottom of hole at 0					
100								

### Lithology

Substrate: **alluvium**

Base of Observations:

Rootzone: **cm**



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# Tomingley Gold Extension Project for Alkane Resources

## Detailed pit MT114 Sodic Eutrophic Red Dermosol

Excavated on: **24/07/2020** Logged by: Dr Pat Hulme 613421m E, 6388665m N, (WGS84), 266m AHD

### Landscape Properties

Landform Element: **plain**

Vegetation Community:

Growth Form:

Site Disturbance: **extensive clearing**

Land Use: **volun./native pasture** Groundcover: **50%**

Surface Condition Wet: **firm**

Dry: **hard set**

### Topography

Slope: **1%** Aspect

Site Morphology: **flat**

Slope Morphology: **Minimal**

Microrelief: **none** Depth: Extent:

Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0.5 1	Proportion Concretions 0.5 1	Lab ECe (dS/m)	SAMPLE
	A1		Dark brown fine sandy clay loam with moderate grade of subangular blocky structure and sandy 1 cm peds, breaking to angular blocky peds of 0.5 cm. Clods were not dispersive, and did not slake in distilled water. Moderately moist.	4			0.2	
	A3			5.5			0.3	
	B1		Very dark grey fine sandy clay loam with strong grade of subangular blocky structure and rough-faced 2 cm peds, breaking to polyhedral peds of 0.5 cm. Clods were not dispersive, and slaked completely in distilled water. Moderately moist. Abrupt boundary to: Brown light clay with strong grade of prismatic structure and rough-faced 5 cm peds, breaking to polyhedral peds of 1 cm. Clods were moderately dispersive, and partially slaked in distilled water. Moderately moist. Clear boundary to:	7			0.3	
50							0.2	
	B22		Dark yellowish brown medium clay with strong grade of polyhedral structure and smooth-faced 10 cm peds, breaking to polyhedral peds of 2 cm. Very few (<2%), stratified, reoriented, strongly weathered, quartz gravel (6-20mm). Very few (<2%), medium (2-6mm), weak, calcareous nodules. Clods were not dispersive, and slaked completely in distilled water. Dry. Gradual boundary to:	8			0.9	
	B23		Dark yellowish brown medium clay with strong grade of polyhedral structure and smooth-faced 10 cm peds, breaking to polyhedral peds of 2 cm. Very few (<2%), medium (2-6mm), weak, calcareous nodules. Clods dispersed strongly, and slaked completely in distilled water. Dry.	8.5				
100								
			COMMENTS: 0  Bottom of hole at 120					

### Lithology

Substrate: **alluvium**

Base of Observations:

layer continues

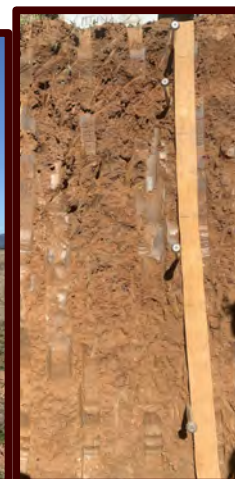
Rootzone: **170cm**

Imperfectly drained

Very slowly permeable



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# Tomingley Gold Extension Project for Alkane Resources Exclusion MT119

Excavated on: **13/08/2020** Logged by: Dr Pat Hulme 614959m E, 6389457m N, (WGS84), 273.4m AHD

## Landscape Properties

Landform Element: **0**  
Vegetation Community:  
Growth Form:  
Site Disturbance:  
Land Use: **0**  
Surface Condition Wet:

Groundcover: %  
Dry:

## Topography

Slope: **0%** Aspect  
Site Morphology:  
Slope Morphology: **Minimal**  
Microrelief: **gilgai** Depth: **70** Extent: **> 50% area**  
Rock Outcrop:

DEPTH (centimetres)	Horizon	GRAPHIC LOG	PROFILE DESCRIPTION	Field pH	Proportion Coarse Fragments 0.5 1	Proportion Concretions 0.5 1	Lab ECe (dS/m)	SAMPLE
50			COMMENTS: 0  Bottom of hole at 0					
100								

## Lithology

Substrate: **0**  
Base of Observations:  
Rootzone: **cm**



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<p><b>APPENDIX II</b></p> <p><b>Soil Laboratory Tests</b></p>
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\* This Appendix is only available on the digital version of this document

# SOIL ANALYSIS REPORT

Report Number: 634916

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071946	<b>Paddock Name:</b> MT00105	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
Available Potassium ^	390	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	69	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.15		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	16	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	13	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Active (labile) Carbon ^	222	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	13	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.5	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Total Carbon (combustion)	1.5	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	6.0	mg/kg	04-021-ICP2	20/08/2020 to 24/08/2020
Phosphorus (Colwell)	16	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	89		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.99	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.17	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	7.63	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.2	%	04-026-ICP8	24/08/2020 to 24/08/2020

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8 South Rd, Werribee Vic 3030  
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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# SOIL ANALYSIS REPORT

Report Number: 634916

<b>Sample Number:</b> 022071946	<b>Paddock Name:</b> MT00105	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	4.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	1.2	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.35	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	36	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	47	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.62	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.18		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 634915

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071945	<b>Paddock Name:</b> MT001515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	0			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	0			20/08/2020 to 20/08/2020
Available Potassium ^	160	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	52	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.11		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	26	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	8.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.5		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Active (labile) Carbon ^	81.5	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	2.1	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.84	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Total Carbon (combustion)	0.85	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	13	mg/kg	04-021-ICP2	20/08/2020 to 24/08/2020
Phosphorus (Colwell)	12	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	93		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.42	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.25	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	42	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	0.47	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	5.02	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	5.0	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634915

<b>Sample Number:</b> 022071945	<b>Paddock Name:</b> MT001515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	9.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	1.1	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.094	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	48	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	34	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.55	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.13		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 634914

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071944	<b>Paddock Name:</b> MT0011530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT173		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	110	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	50	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.081		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	32	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	4.7		04-031-PH	19/08/2020 to 20/08/2020
Active (labile) Carbon ^	56.9	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	0.60	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.2	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Total Carbon (combustion)	0.55	%	04-086-TC	20/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.29	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.30	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	19	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	0.21	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	4.43	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	6.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	4.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.6		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 634914

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# SOIL ANALYSIS REPORT

Report Number: 634913

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071943	<b>Paddock Name:</b> MT0013060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	130	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	32	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.041		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	49	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	3.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	5.5		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.9	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.3	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.33	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	4.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	9.84	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	16	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.67		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.07	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	28	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 634913

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634912

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071942	<b>Paddock Name:</b> MT00160100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	200	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	26	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.060		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	45	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.4		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	3.9	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.1	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.50	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	5.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	3.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	11.8	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	25	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.57		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.19	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	140	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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**Report Number:** 634912

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634911

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071941	<b>Paddock Name:</b> MT00205	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	840	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	58	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.28		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.7	%	04-054-WCALC	24/08/2020 to 24/08/2020
Potassium % of Cations	21	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	1.9	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.56	%	04-018-UV1	19/08/2020 to 24/08/2020
Nitrate Nitrogen	130	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	82	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	27	mg/kg	04-021-ICP2	20/08/2020 to 24/08/2020
Phosphorus (Colwell)	33	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	72		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	2.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.44	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	10.0	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	4.4	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634911

<b>Sample Number:</b> 022071941	<b>Paddock Name:</b> MT00205	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.4		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.31	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	50	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	1.2	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.92	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	110	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	37	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.95	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.46		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634910

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071940	<b>Paddock Name:</b> MT002515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
Available Potassium ^	410	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	62	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.15		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	21	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.6	%	04-054-WCALC	24/08/2020 to 24/08/2020
Potassium % of Cations	13	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	1.6	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.95	%	04-018-UV1	19/08/2020 to 24/08/2020
Nitrate Nitrogen	130	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	15	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	14	mg/kg	04-021-ICP2	20/08/2020 to 24/08/2020
Phosphorus (Colwell)	18	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	87		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.31	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	8.03	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	3.9	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634910

<b>Sample Number:</b> 022071940	<b>Paddock Name:</b> MT002515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.9		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.5		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.26	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	55	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	1.2	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.33	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	71	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	37	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.68	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.21		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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Analyses performed on soil dried at 40°C and ground to 2mm or less.

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# SOIL ANALYSIS REPORT

Report Number: 634909

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071939	<b>Paddock Name:</b> MT0021530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	200	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	51	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.083		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	34	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	7.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	5.1		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	35	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.96	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.52	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.55	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	7.35	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	7.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.5		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.09	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	16	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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**Report Number:** 634909

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634908

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071938	<b>Paddock Name:</b> MT0023060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	370	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	41	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.068		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	44	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	5.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.2		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	5.4	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.0	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.96	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	7.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	16.6	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	9.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.93		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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**Report Number:** 634908

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634907

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b>	022071937	<b>Paddock Name:</b>	MT00260100	<b>Date Received:</b>	18-Aug-2020
<b>Test Code:</b>	2017-065			<b>Date of Report:</b>	27-Oct-2020
<b>Purchase Order No:</b>	TPG				
<b>Grower Name:</b>	SUSTAINABLE SOIL MANAG				

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	260	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	36	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.071		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	45	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	5.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.0		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.3	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.67	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	5.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	11.6	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	13	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.81		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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**Report Number:** 634907

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# SOIL ANALYSIS REPORT

Report Number: 634906

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071924	<b>Paddock Name:</b> MT00305	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	670	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	58	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.29		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.1	%	04-054-WCALC	24/08/2020 to 24/08/2020
Potassium % of Cations	22	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.22	%	04-018-UV1	19/08/2020 to 24/08/2020
Nitrate Nitrogen	7.0	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.86	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	2.3	mg/kg	04-021-ICP2	20/08/2020 to 24/08/2020
Phosphorus (Colwell)	33	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	59		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.19	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	7.74	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.5	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634906

<b>Sample Number:</b> 022071924	<b>Paddock Name:</b> MT00305	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.5		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	0.98	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.76	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	27	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	53	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.83	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.56		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634905

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071923	<b>Paddock Name:</b> MT003515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	400	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	62	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.18		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	20	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.5	%	04-054-WCALC	24/08/2020 to 24/08/2020
Potassium % of Cations	15	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.3	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.89	%	04-018-UV1	19/08/2020 to 24/08/2020
Nitrate Nitrogen	1.7	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.73	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	8.4	mg/kg	04-021-ICP2	20/08/2020 to 24/08/2020
Phosphorus (Colwell)	21	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	62		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.21	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	6.87	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	3.1	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634905

<b>Sample Number:</b> 022071923	<b>Paddock Name:</b> MT003515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	13	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	1.1	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.38	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	45	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	54	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.69	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.34		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634904

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071922	<b>Paddock Name:</b> MT0031530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	260	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	52	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.10		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	36	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	9.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl <sub>2</sub> )	5.8		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	0.86	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.81	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.68	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.28	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	7.46	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	3.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.4		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.2		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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**Report Number:** 634904

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634903

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071921	<b>Paddock Name:</b> MT0033060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	380	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	44	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.090		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	43	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	7.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.5		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	0.58	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.97	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	5.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.55	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	12.3	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	4.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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**Report Number:** 634903

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634902

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071920	<b>Paddock Name:</b> MT00360100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	500	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	41	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.080		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	45	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.5		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	<0.50	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	7.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	8.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	18.8	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	6.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.92		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.07	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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**Report Number:** 634902

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634901

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071919	<b>Paddock Name:</b> MT00405	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	0			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	0			20/08/2020 to 20/08/2020
Available Potassium ^	520	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	68	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.10		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	22	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.8	%	04-054-WCALC	24/08/2020 to 24/08/2020
Potassium % of Cations	9.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	7.5		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.7	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.07	%	04-018-UV1	19/08/2020 to 24/08/2020
Nitrate Nitrogen	17	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.2	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	3.1	mg/kg	04-021-ICP2	20/08/2020 to 24/08/2020
Phosphorus (Colwell)	14	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	70		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	9.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	3.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.087	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	14.3	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.61	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634901

<b>Sample Number:</b> 022071919	<b>Paddock Name:</b> MT00405	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.2		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.12	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	20	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	0.96	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.24	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	6.0	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	19	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl2)	1.0	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl2) ^	0.011	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.20		04-020-ICP17	21/08/2020 to 21/08/2020
Sand (Coarse) ^	18.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	42.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	11.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	28.2	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634900

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071918	<b>Paddock Name:</b> MT004515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	0			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	0			20/08/2020 to 20/08/2020
Available Potassium ^	300	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	64	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.053		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	30	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	0.58	%	04-054-WCALC	24/08/2020 to 24/08/2020
Potassium % of Cations	4.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	7.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.34	%	04-018-UV1	19/08/2020 to 24/08/2020
Nitrate Nitrogen	<0.50	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.66	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	<1.0	mg/kg	04-021-ICP2	20/08/2020 to 24/08/2020
Phosphorus (Colwell)	6.2	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	100		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.77	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	10	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	4.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.19	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	15.6	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.2	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634900

<b>Sample Number:</b> 022071918	<b>Paddock Name:</b> MT004515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.2		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	0.92	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.14	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	4.3	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	24	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.97	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.06		04-020-ICP17	21/08/2020 to 21/08/2020
Sand (Coarse) ^	22.1	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	34.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	9.9	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	33.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634899

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071917	<b>Paddock Name:</b> MT0041530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
Available Potassium ^	270	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	54	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.047		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	39	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl <sub>2</sub> )	7.8		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	<0.50	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.80	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.68	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	8.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	6.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.38	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	15.6	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.4		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sand (Coarse) ^	17.7	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	35.3	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	11.1	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 634899

<b>Sample Number:</b> 022071917	<b>Paddock Name:</b> MT0041530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	35.9	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634898

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071916	<b>Paddock Name:</b> MT0043060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	300	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	45	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.048		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	44	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	8.1		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	0.57	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.67	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.77	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	8.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	7.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	17.8	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	5.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.10	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sand (Coarse) ^	20.4	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	31.7	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	12.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 634898

<b>Sample Number:</b> 022071916	<b>Paddock Name:</b> MT0043060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	35.3	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634897

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071915	<b>Paddock Name:</b> MT00460100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	300	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	48	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.036		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	37	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	3.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	8.6		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	<0.50	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.77	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	12	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	9.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	3.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	24.8	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	12	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.29	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	13	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sand (Coarse) ^	19.9	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	35.3	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	11.2	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 634897

<b>Sample Number:</b> 022071915	<b>Paddock Name:</b> MT00460100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	33.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 634896

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071900	<b>Paddock Name:</b> MT00505	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	660	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	56	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.30		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	21	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.5	%	04-054-WCALC	24/08/2020 to 24/08/2020
Potassium % of Cations	23	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.2		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.5	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.46	%	04-018-UV1	19/08/2020 to 24/08/2020
Nitrate Nitrogen	27	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.4	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	3.8	mg/kg	04-021-ICP2	20/08/2020 to 24/08/2020
Phosphorus (Colwell)	13	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	67		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.059	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	7.42	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.80	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634896

<b>Sample Number:</b> 022071900	<b>Paddock Name:</b> MT00505	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.7		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.08	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	1.4	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	1.1	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	63	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	37	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.67	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.19		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 634895

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071899	<b>Paddock Name:</b> MT005515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	630	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	57	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.29		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	20	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.9	%	04-054-WCALC	24/08/2020 to 24/08/2020
Potassium % of Cations	22	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.2		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.3	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.13	%	04-018-UV1	19/08/2020 to 24/08/2020
Nitrate Nitrogen	11	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.68	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	2.6	mg/kg	04-021-ICP2	20/08/2020 to 24/08/2020
Phosphorus (Colwell)	8.9	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	71		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.052	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	7.15	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.73	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634895

<b>Sample Number:</b> 022071899	<b>Paddock Name:</b> MT005515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.9		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	1.4	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.67	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	65	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	31	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.61	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.13		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634894

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071898	<b>Paddock Name:</b> MT0051530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	450	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	61	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.19		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	22	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	16	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	5.6		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.9	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.92	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.047	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	7.39	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.64	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.6		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.9		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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**Report Number:** 634894

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634893

Sustainable Soils Management P/L  
 PO Box 130  
 WARREN  
 NSW 2824



Report Authorised  
 Paul Kennelly  
 Laboratory Manager  
 NATA Accredited Laboratory  
 Number: 11958

<b>Sample Number:</b>	022071897	<b>Paddock Name:</b>	MT0053060	<b>Date Received:</b>	18-Aug-2020
<b>Test Code:</b>	2017-065			<b>Date of Report:</b>	27-Oct-2020
<b>Purchase Order No:</b>	TPG				
<b>Grower Name:</b>	SUSTAINABLE SOIL MANAG				

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	530	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	51	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.14		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	35	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	12	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.6		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.5	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.73	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	3.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.078	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	10.9	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.72	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.4		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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 Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
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**Report Number:** 634893

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634860

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071914	<b>Paddock Name:</b> MT00560100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	680	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	44	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.13		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	43	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	12	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.4		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.6	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	1.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	6.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.18	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	14.9	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 634860

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634861

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071913	<b>Paddock Name:</b> MT00605	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT170		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	0			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	0			20/08/2020 to 20/08/2020
Available Potassium ^	460	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	67	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.067		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	24	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	5.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			20/08/2020 to 20/08/2020
Soil Colour	Grey		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	7.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	1.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Active (labile) Carbon ^	339	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	7.8	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.3	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Total Carbon (combustion)	1.6	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	4.7	mg/kg	04-021-ICP2	20/08/2020 to 24/08/2020
Phosphorus (Colwell)	11	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	78		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	13	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	4.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.61	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	19.8	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	3.1	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634861

<b>Sample Number:</b> 022071913	<b>Paddock Name:</b> MT00605	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT170		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.7		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.20	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	30	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	1.1	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.25	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	12	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	21	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl2)	1.2	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.14		04-020-ICP17	21/08/2020 to 21/08/2020
Sand (Coarse) ^	17.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	41.2	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	11.3	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	30.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 634862

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b>	022071912	<b>Paddock Name:</b>	MT006515	<b>Date Received:</b>	18-Aug-2020
<b>Test Code:</b>	CT170			<b>Date of Report:</b>	27-Oct-2020
<b>Purchase Order No:</b>	TPG				
<b>Grower Name:</b>	SUSTAINABLE SOIL MANAG				

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	350	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	48	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.032		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	37	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	2.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Grey		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	8.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	2.5	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Active (labile) Carbon ^	31.5	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	3.9	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.83	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Total Carbon (combustion)	0.65	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	4.5	mg/kg	04-021-ICP2	20/08/2020 to 24/08/2020
Phosphorus (Colwell)	5.8	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	100		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.90	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	16	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	12	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	3.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	33.2	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	12	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634862

<b>Sample Number:</b> 022071912	<b>Paddock Name:</b> MT006515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT170		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.5		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.40	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	210	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	1.3	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.054	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	3.2	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	17	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl2)	4.3	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.06		04-020-ICP17	21/08/2020 to 21/08/2020
Sand (Coarse) ^	14.7	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	32.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	10.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	42.7	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 634863

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071911	<b>Paddock Name:</b> MT0061530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT172		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	320	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	51	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.031		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	35	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	2.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	8.6		04-031-PH	19/08/2020 to 20/08/2020
Active (labile) Carbon ^	45.8	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	3.2	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.86	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Total Carbon (combustion)	0.67	%	04-086-TC	20/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.83	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	16	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	11	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	3.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	31.9	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	11	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.5		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.5		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.38	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	200	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sand (Coarse) ^	14.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 634863

<b>Sample Number:</b> 022071911	<b>Paddock Name:</b> MT0061530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT172		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Sand (Fine) ^	33.2	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	9.9	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	42.1	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 634864

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071910	<b>Paddock Name:</b> MT0063060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT172		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	280	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	31	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.036		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	47	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	2.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	8.9		04-031-PH	19/08/2020 to 20/08/2020
Active (labile) Carbon ^	3.19	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	2.3	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.2	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Total Carbon (combustion)	0.28	%	04-086-TC	20/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.72	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	8.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	12	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	4.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	25.7	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	19	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.67		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.42	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	170	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sand (Coarse) ^	15.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634864

<b>Sample Number:</b> 022071910	<b>Paddock Name:</b> MT0063060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT172		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Sand (Fine) ^	33.9	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	11.1	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	39.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634865

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071909	<b>Paddock Name:</b> MT00660100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT172		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	300	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	12	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.051		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	48	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	3.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	8.9		04-031-PH	19/08/2020 to 20/08/2020
Active (labile) Carbon ^	0.000	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	2.0	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.95	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Total Carbon (combustion)	0.16	%	04-086-TC	20/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.76	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	12	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	8.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	24.5	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	36	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.25		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.75	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	540	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sand (Coarse) ^	10.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 634865

<b>Sample Number:</b> 022071909	<b>Paddock Name:</b> MT00660100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT172		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Sand (Fine) ^	34.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	11.3	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	44.1	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634866

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071908	<b>Paddock Name:</b> MT00705	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	0			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	0			20/08/2020 to 20/08/2020
Available Potassium ^	440	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	74	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	6			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.039		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	20	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.1	%	04-054-WCALC	24/08/2020 to 24/08/2020
Potassium % of Cations	3.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	8.2		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	1.0	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.63	%	04-018-UV1	19/08/2020 to 24/08/2020
Nitrate Nitrogen	6.7	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	2.2	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	6.0	mg/kg	04-021-ICP2	20/08/2020 to 24/08/2020
Phosphorus (Colwell)	12	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	120		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	22	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	5.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.69	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	29.6	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.3	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634866

<b>Sample Number:</b> 022071908	<b>Paddock Name:</b> MT00705	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.7		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.16	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	14	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	0.96	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.19	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	4.0	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	11	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	1.5	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.10		04-020-ICP17	21/08/2020 to 21/08/2020
Sand (Coarse) ^	16.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	38.3	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	11.4	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	34.3	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634867

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071907	<b>Paddock Name:</b> MT007515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
Available Potassium ^	370	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	65	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.031		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	25	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	0.81	%	04-054-WCALC	24/08/2020 to 24/08/2020
Potassium % of Cations	2.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	8.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	1.8	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.47	%	04-018-UV1	19/08/2020 to 24/08/2020
Nitrate Nitrogen	14	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.2	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	5.1	mg/kg	04-021-ICP2	20/08/2020 to 24/08/2020
Phosphorus (Colwell)	6.6	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	140		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.95	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	22	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	8.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	2.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	33.1	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	6.8	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634867

<b>Sample Number:</b> 022071907	<b>Paddock Name:</b> MT007515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.7		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.29	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	62	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	1.2	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.15	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	3.0	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	17	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	2.7	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	0.012	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.05		04-020-ICP17	21/08/2020 to 21/08/2020
Sand (Coarse) ^	11.3	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	33.2	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	10.1	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	45.4	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 634868

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071906	<b>Paddock Name:</b> MT0071530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
Available Potassium ^	290	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	44	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.027		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	32	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	2.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	8.8		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	37	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.1	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.75	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	16	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	12	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	8.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	36.7	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	22	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.5		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.94	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	710	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sand (Coarse) ^	10.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	32.2	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	13.7	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634868

<b>Sample Number:</b> 022071906	<b>Paddock Name:</b> MT0071530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	43.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634869

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071905	<b>Paddock Name:</b> MT0073060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	0			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	0			20/08/2020 to 20/08/2020
Available Potassium ^	280	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	51	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	6			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.018		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	23	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	1.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl <sub>2</sub> )	8.4		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	9.9	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.2	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.72	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	27	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	12	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	13	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	53.1	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	25	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.5		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	4.15	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	1700	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sand (Coarse) ^	7.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	30.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	15.1	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 634869

<b>Sample Number:</b> 022071905	<b>Paddock Name:</b> MT0073060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	46.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634870

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071904	<b>Paddock Name:</b> MT00760100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	0			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	0			20/08/2020 to 20/08/2020
Available Potassium ^	230	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	9.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	6			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.043		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	40	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	2.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	8.0		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	17	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.3	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.59	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	11	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	13	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	26.8	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	48	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.24		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.5		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	2.10	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	1900	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sand (Coarse) ^	8.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	35.9	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	14.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634870

<b>Sample Number:</b> 022071904	<b>Paddock Name:</b> MT00760100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	40.7	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634871

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072105	<b>Paddock Name:</b> MT00805	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	560	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	52	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.33		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	18	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.9	%	04-054-WCALC	24/08/2020 to 24/08/2020
Potassium % of Cations	25	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.6	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.09	%	04-018-UV1	19/08/2020 to 24/08/2020
Nitrate Nitrogen	23	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	49	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	9.7	mg/kg	04-021-ICP2	20/08/2020 to 24/08/2020
Phosphorus (Colwell)	14	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	42		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.16	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.85	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.8	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634871

<b>Sample Number:</b> 022072105	<b>Paddock Name:</b> MT00805	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.8		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.10	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	18	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	0.81	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.48	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	50	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	71	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.55	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.33		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 634872

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072104	<b>Paddock Name:</b> MT008515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	360	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	61	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.21		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	20	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.3	%	04-054-WCALC	24/08/2020 to 24/08/2020
Potassium % of Cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.78	%	04-018-UV1	19/08/2020 to 24/08/2020
Nitrate Nitrogen	7.6	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.8	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	4.1	mg/kg	04-021-ICP2	20/08/2020 to 24/08/2020
Phosphorus (Colwell)	14	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	62		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.92	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.053	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	10	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.11	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.48	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.97	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634872

<b>Sample Number:</b> 022072104	<b>Paddock Name:</b> MT008515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	2.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.9		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	0.84	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.28	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	48	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	59	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.40	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.23		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634873

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072103	<b>Paddock Name:</b> MT0081530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	200	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	61	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.098		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	28	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	8.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	5.4		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.3	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.71	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.52	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.051	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	9.6	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.11	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	6.00	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.85	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	1.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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**Report Number:** 634873

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634874

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072102	<b>Paddock Name:</b> MT0083060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	270	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	55	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.054		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	38	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	5.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.4		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.3	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.2	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.69	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	7.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	5.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.21	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	13.5	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.4		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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**Report Number:** 634874

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634875

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072101	<b>Paddock Name:</b> MT00860100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	310	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	52	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.068		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	39	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.7		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.7	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.79	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	5.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.43	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	12.9	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	3.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.5		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.08	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
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**Report Number:** 634875

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634876

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071999	<b>Paddock Name:</b> MT00905	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	260	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	44	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.38		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	20	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	0.89	%	04-054-WCALC	24/08/2020 to 24/08/2020
Potassium % of Cations	25	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Sandy Loam		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.3	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.52	%	04-018-UV1	19/08/2020 to 24/08/2020
Nitrate Nitrogen	6.0	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.1	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	4.0	mg/kg	04-021-ICP2	20/08/2020 to 24/08/2020
Phosphorus (Colwell)	14	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	31		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.66	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.53	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.050	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	19	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.21	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	2.60	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.9	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634876

<b>Sample Number:</b> 022071999	<b>Paddock Name:</b> MT00905	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	7.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.9		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	0.38	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.15	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	16	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	44	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.26	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.45		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634877

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072005	<b>Paddock Name:</b> MT009515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	160	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	54	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.22		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	20	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	0.58	%	04-054-WCALC	24/08/2020 to 24/08/2020
Potassium % of Cations	16	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay Loam		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.34	%	04-018-UV1	19/08/2020 to 24/08/2020
Nitrate Nitrogen	2.1	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.73	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	3.7	mg/kg	04-021-ICP2	20/08/2020 to 24/08/2020
Phosphorus (Colwell)	9.7	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	34		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.42	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.53	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.10	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	16	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.18	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	2.68	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	3.9	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634877

<b>Sample Number:</b> 022072005	<b>Paddock Name:</b> MT009515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	6.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.6		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.2		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	0.34	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.056	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	15	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	26	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.29	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.29		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634878

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072004	<b>Paddock Name:</b> MT0091530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	76	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	52	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.13		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	27	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	10	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	5.4		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.5	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.0	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.19	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	0.97	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.50	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.20	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	1.86	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	11	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.9		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	13	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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**Report Number:** 634878

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634879

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072003	<b>Paddock Name:</b> MT0093060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	220	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	28	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.070		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	50	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	5.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.1		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.6	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.92	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.55	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	5.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	10.1	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.58		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.09	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	27	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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**Report Number:** 634879

Sample condition on receipt:    Suitable for testing.

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8 South Rd, Werribee Vic 3030

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**Enquiries:** [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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# SOIL ANALYSIS REPORT

Report Number: 634880

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072002	<b>Paddock Name:</b> MT00960100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	240	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.077		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	51	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	5.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.8		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.4	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.76	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.61	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	5.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	3.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	11.5	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	26	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.34		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.18	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	96	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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**Report Number:** 634880

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# SOIL ANALYSIS REPORT

Report Number: 634881

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072058	<b>Paddock Name:</b> MT01005	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	470	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	60	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.19		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	22	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.0	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	16	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.17	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	4.5	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.1	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	2.9	mg/kg	04-021-ICP2	20/08/2020 to 24/08/2020
Phosphorus (Colwell)	15	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	53		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.11	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	7.64	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.4	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634881

<b>Sample Number:</b> 022072058	<b>Paddock Name:</b> MT01005	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.7		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	0.98	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.34	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	44	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	35	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl2)	0.63	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl2) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.28		04-020-ICP17	21/08/2020 to 21/08/2020
Sand (Coarse) ^	19.4	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	44.2	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	13.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	22.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634882

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072057	<b>Paddock Name:</b> MT010515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	350	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	62	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.12		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	25	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.2	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	10	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.9		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.71	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	2.6	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.99	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	2.0	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	7.7	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	54		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.91	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.090	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	9.5	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.11	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	8.96	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.0	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634882

<b>Sample Number:</b> 022072057	<b>Paddock Name:</b> MT010515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.4		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	0.86	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.065	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	23	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	13	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl2)	0.68	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl2) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.14		04-020-ICP17	21/08/2020 to 21/08/2020
Sand (Coarse) ^	21.2	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	36.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	14.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	27.2	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634883

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072100	<b>Paddock Name:</b> MT0101530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	370	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	58	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.093		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	32	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	8.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.3		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.8	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.80	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.95	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	3.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.21	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	11.4	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.8		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sand (Coarse) ^	18.2	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	35.1	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	9.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 634883

<b>Sample Number:</b> 022072100	<b>Paddock Name:</b> MT0101530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	36.9	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 634884

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072056	<b>Paddock Name:</b> MT0103060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	410	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	51	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.065		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	41	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	5.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl <sub>2</sub> )	7.0		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.2	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.1	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	9.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	7.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.35	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	18.4	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sand (Coarse) ^	12.1	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	21.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	8.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 634884

<b>Sample Number:</b> 022072056	<b>Paddock Name:</b> MT0103060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	57.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634885

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072099	<b>Paddock Name:</b> MT01060100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
Available Potassium ^	360	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	50	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.038		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	43	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	3.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	8.1		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.6	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.75	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.91	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	13	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	11	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.88	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	25.9	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	3.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.2		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.9		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.18	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sand (Coarse) ^	8.4	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	26.3	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	10.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 634885

<b>Sample Number:</b> 022072099	<b>Paddock Name:</b> MT01060100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	55.3	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634886

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072097	<b>Paddock Name:</b> MT01105	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	330	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	47	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.22		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	29	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.2	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.72	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	4.2	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.3	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	1.7	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	19	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	57		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.83	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.083	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	21	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.23	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	4.84	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.7	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634886

<b>Sample Number:</b> 022072097	<b>Paddock Name:</b> MT01105	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	4.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.6		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.9		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	0.61	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.23	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	23	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	45	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.64	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.33		04-020-ICP17	21/08/2020 to 21/08/2020
Sand (Coarse) ^	27.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	50.9	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	9.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	12.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634887

Sustainable Soils Management P/L  
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WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072096	<b>Paddock Name:</b> MT011515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	280	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	42	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.25		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	25	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	0.96	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.1	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.56	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	3.7	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.2	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	<1.0	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	16	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	55		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.71	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	1.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.11	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	46	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.51	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	4.14	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.7	%	04-026-ICP8	24/08/2020 to 24/08/2020

## Nutrient Advantage Laboratory Services

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Incitec Pivot Limited - ABN 42 004 080 264  
8 South Rd, Werribee Vic 3030  
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
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# SOIL ANALYSIS REPORT

Report Number: 634887

<b>Sample Number:</b> 022072096	<b>Paddock Name:</b> MT011515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	12	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.8		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.9		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	0.71	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.13	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	30	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	37	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl2)	0.37	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl2) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.29		04-020-ICP17	21/08/2020 to 21/08/2020
Sand (Coarse) ^	26.3	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	51.3	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	8.7	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	13.7	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 634888

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072095	<b>Paddock Name:</b> MT0111530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	170	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	34	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.081		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	45	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	5.5		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	11	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.94	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.44	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	3.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	6.95	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	15	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.74		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.08	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	54	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sand (Coarse) ^	24.1	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	46.2	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	7.4	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 634888

<b>Sample Number:</b> 022072095	<b>Paddock Name:</b> MT0111530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	22.3	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634889

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072094	<b>Paddock Name:</b> MT0113060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	260	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	24	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.054		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	51	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.3		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.89	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.65	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	8.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	3.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	15.9	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	21	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.48		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.27	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	240	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sand (Coarse) ^	18.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	36.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	6.2	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634889

<b>Sample Number:</b> 022072094	<b>Paddock Name:</b> MT0113060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	38.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634890

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072093	<b>Paddock Name:</b> MT01160100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	260	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	29	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.040		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	42	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	2.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl <sub>2</sub> )	8.6		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.6	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.1	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.67	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	9.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	6.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	23.8	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	27	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.69		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.78	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	550	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sand (Coarse) ^	10.3	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	42.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	11.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 634890

<b>Sample Number:</b> 022072093	<b>Paddock Name:</b> MT01160100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	36.7	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634891

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072092	<b>Paddock Name:</b> MT01205	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
Available Potassium ^	360	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	49	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.32		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	21	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.8	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	23	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay Loam		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.05	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	14	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.3	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	1.1	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	21	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	44		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.91	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.82	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.070	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	20	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.22	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	3.99	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.8	%	04-026-ICP8	24/08/2020 to 24/08/2020

## Nutrient Advantage Laboratory Services

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# SOIL ANALYSIS REPORT

Report Number: 634891

<b>Sample Number:</b> 022072092	<b>Paddock Name:</b> MT01205	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	5.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.4		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	0.52	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.38	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	18	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	77	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.40	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.48		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 634892

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072091	<b>Paddock Name:</b> MT012515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	310	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	58	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.23		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	19	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.2	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	18	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay Loam		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.67	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	5.8	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.87	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	2.5	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	24	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	45		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.78	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.84	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.046	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	12	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.13	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	4.33	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.1	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634892

<b>Sample Number:</b> 022072091	<b>Paddock Name:</b> MT012515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	3.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	0.51	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.18	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	14	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	54	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.49	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.53		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634917

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072090	<b>Paddock Name:</b> MT0121530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	190	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	66	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.13		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	19	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	11	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	5.5		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.4	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.87	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.48	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.82	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.058	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	11	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.13	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	4.37	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	2.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.5		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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**Report Number:** 634917

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634918

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072089	<b>Paddock Name:</b> MT0123060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	300	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	59	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.12		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	28	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	10	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.5		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.7	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.1	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.76	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.19	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	7.51	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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**Report Number:** 634918

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634919

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072088	<b>Paddock Name:</b> MT01260100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	740	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	37	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.15		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	45	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	12	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.5		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	0.91	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.85	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	1.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	7.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	15.9	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	7.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.82		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.07	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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**Report Number:** 634919

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634920

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072087	<b>Paddock Name:</b> MT01305	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	580	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	62	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.21		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	21	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Active (labile) Carbon ^	236	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	16	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	2.6	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Total Carbon (combustion)	1.5	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	2.1	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	19	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	56		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.045	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	8.82	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.51	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634920

<b>Sample Number:</b> 022072087	<b>Paddock Name:</b> MT01305	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	1.6	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	1.3	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	34	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	22	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl2)	0.72	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.34		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 634921

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072086	<b>Paddock Name:</b> MT013515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	620	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	63	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.18		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	22	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	15	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Active (labile) Carbon ^	181	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	5.1	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.97	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Total Carbon (combustion)	1.4	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	4.8	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	12	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	61		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.068	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	10.5	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.65	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634921

<b>Sample Number:</b> 022072086	<b>Paddock Name:</b> MT013515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.9		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	1.7	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.73	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	35	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	16	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.82	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.20		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634922

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072085	<b>Paddock Name:</b> MT0131530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT173		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	550	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	63	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.15		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	24	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	13	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.0		04-031-PH	19/08/2020 to 20/08/2020
Active (labile) Carbon ^	120	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	7.7	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.86	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Total Carbon (combustion)	1.0	%	04-086-TC	20/08/2020 to 20/08/2020
Potassium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.10	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	10.9	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.92	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.6		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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**Report Number:** 634922

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634923

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072084	<b>Paddock Name:</b> MT0133060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	390	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	56	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.13		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	31	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	11	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.2		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	3.6	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.91	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.99	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.15	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	8.76	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.8		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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**Report Number:** 634923

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634924

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072083	<b>Paddock Name:</b> MT01360100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	520	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	33	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.088		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	53	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	7.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.9		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	3.7	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.97	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	9.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	17.2	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	6.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.63		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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8 South Rd, Werribee Vic 3030  
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 634924

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634925

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072082	<b>Paddock Name:</b> MT01405	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	510	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	55	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.24		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	22	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.3	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	18	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.7	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.35	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	37	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	2.7	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	4.6	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	11	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	65		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.21	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	9.4	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	7.06	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	3.0	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634925

<b>Sample Number:</b> 022072082	<b>Paddock Name:</b> MT01405	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.6		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.12	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	37	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	1.9	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	1.3	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	37	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	87	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.65	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.17		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634926

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072081	<b>Paddock Name:</b> MT014515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	250	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	60	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.13		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	25	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.1	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	11	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.3	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.63	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	12	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.96	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	3.6	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	7.7	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	55		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.63	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.21	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.56	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	3.8	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634926

<b>Sample Number:</b> 022072081	<b>Paddock Name:</b> MT014515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.4		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	14	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	1.7	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.55	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	38	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	40	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.49	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.14		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634927

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072079	<b>Paddock Name:</b> MT0141530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	170	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	57	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.10		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	29	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	9.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	5.6		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	11	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.2	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.44	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.23	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	4.86	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	4.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	13	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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**Report Number:** 634927

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634928

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072080	<b>Paddock Name:</b> MT0143060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	200	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	33	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.10		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	48	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	8.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	5.9		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	3.7	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.90	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.52	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	3.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.68	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	6.38	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	11	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.68		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 634928

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634929

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072098	<b>Paddock Name:</b> MT01460100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	250	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	23	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.093		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	52	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	7.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.5		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	4.6	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	0.72	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.63	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	4.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	9.10	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	18	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.45		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.08	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	26	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
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**Report Number:** 634929

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634930

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072078	<b>Paddock Name:</b> MT01505	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	590	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	56	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.23		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	22	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.6	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	18	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.51	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	12	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	1.5	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	9.9	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	11	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	71		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.15	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	12	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.13	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	8.28	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.8	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634930

<b>Sample Number:</b> 022072078	<b>Paddock Name:</b> MT01505	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.4		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	1.6	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.58	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	52	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	64	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.75	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.15		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634931

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072077	<b>Paddock Name:</b> MT015515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	420	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	53	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.19		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	26	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.4	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	15	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.5	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.79	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	26	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Ammonium Nitrogen	3.0	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Sulphur (KCl40)	7.5	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	11	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	100		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.18	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	25	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.28	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	7.30	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.5	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634931

<b>Sample Number:</b> 022072077	<b>Paddock Name:</b> MT015515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	3.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.08	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	11	mg/kg	04-063-FIA3	19/08/2020 to 20/08/2020
Copper (DTPA)	1.5	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Zinc (DTPA)	0.29	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Manganese (DTPA)	64	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Iron (DTPA)	48	mg/kg	04-024-ICP6	20/08/2020 to 21/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.70	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.11		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634932

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072076	<b>Paddock Name:</b> MT0151530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
Available Potassium ^	250	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	49	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.12		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	31	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	10	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	4.7		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	31	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	3.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.63	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.29	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	29	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.32	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	6.29	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	4.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	5.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.6		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.08	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	13	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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8 South Rd, Werribee Vic 3030  
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 634932

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634933

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072075	<b>Paddock Name:</b> MT0153060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	260	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	35	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.060		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	47	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	5.5		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	18	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.67	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	6.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	12	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.14	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	13.6	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	12	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	0.99	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.73		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.10	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	41	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 634933

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634934

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072074	<b>Paddock Name:</b> MT01560100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	270	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	34	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.067		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	45	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	5.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.0		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	3.1	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.70	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	5.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	2.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	13.1	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	16	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.76		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.5		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.12	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	50	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 634934

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634955

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071393	<b>Paddock Name:</b> MT02005	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	340	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	50	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.20		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	24	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.0	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	15	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.5		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.15	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	3.7	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.8	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.7	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	24	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	110		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.87	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.17	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	40	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.45	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.73	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	3.0	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634955

<b>Sample Number:</b> 022071393	<b>Paddock Name:</b> MT02005	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	7.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	1.2	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.43	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	76	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	120	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.63	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.22		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634956

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071392	<b>Paddock Name:</b> MT020515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	310	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	54	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.16		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	26	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.2	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	13	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.71	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	3.4	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.1	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	14	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	96		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.78	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.10	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	29	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.32	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	6.05	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.7	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634956

<b>Sample Number:</b> 022071392	<b>Paddock Name:</b> MT020515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	5.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	1.0	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.21	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	56	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	67	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.61	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.15		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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Analyses performed on soil dried at 40°C and ground to 2mm or less.

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# SOIL ANALYSIS REPORT

Report Number: 634957

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071391	<b>Paddock Name:</b> MT0201530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	220	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	50	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.076		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	39	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	5.3		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.57	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	3.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.25	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	12	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.13	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	8.46	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	3.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	1.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 634957

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634958

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071390	<b>Paddock Name:</b> MT0203060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	240	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	45	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.048		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	46	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.6		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.64	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.60	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	6.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.66	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	13.8	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	4.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	0.73	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.97		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.9		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 634958

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634959

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071389	<b>Paddock Name:</b> MT02060100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	260	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	39	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.057		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	48	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.1		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.66	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	6.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.96	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	9.6	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.11	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	13.4	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	7.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	0.80	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.81		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 634959

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634960

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071388	<b>Paddock Name:</b> MT02105	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	480	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	64	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.20		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	18	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.5	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.5	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.46	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	24	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.8	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.3	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	11	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	33		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	<0.022	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	9.9	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.11	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	7.20	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634960

<b>Sample Number:</b> 022071388	<b>Paddock Name:</b> MT02105	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.5		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.2		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.08	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.68	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.56	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	24	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	58	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.60	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.33		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634961

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071387	<b>Paddock Name:</b> MT021515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	490	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	64	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.17		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	19	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.9	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	15	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.10	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	6.7	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	1.1	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	9.0	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	45		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.028	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	13	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.14	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	8.35	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.34	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634961

<b>Sample Number:</b> 022071387	<b>Paddock Name:</b> MT021515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.4		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.71	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.26	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	29	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	30	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.71	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.20		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634962

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071386	<b>Paddock Name:</b> MT0211530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	410	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	66	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.12		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	22	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	10	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	5.9		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.3	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.63	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	7.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.081	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	11	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.12	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	10.6	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.77	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	1.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 634962

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634963

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071385	<b>Paddock Name:</b> MT0213060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	0			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	0			20/08/2020 to 20/08/2020
Available Potassium ^	430	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	74	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.048		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	21	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.9		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.6	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	18	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	4.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.097	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	9.6	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.11	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	23.7	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.41	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	0.45	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.7		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.14	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 634963

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# SOIL ANALYSIS REPORT

Report Number: 634964

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071384	<b>Paddock Name:</b> MT02160100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	0			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	0			20/08/2020 to 20/08/2020
Available Potassium ^	360	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	70	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	6			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.049		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	25	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	8.0		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.61	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.92	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	14	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	4.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.087	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	19.6	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.44	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.9		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.13	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 634964

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# SOIL ANALYSIS REPORT

Report Number: 634965

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071383	<b>Paddock Name:</b> MT02205	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	550	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	53	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.27		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	23	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.2	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	21	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.28	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	15	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.3	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	3.5	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	23	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	48		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.067	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	12	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.13	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	6.79	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.98	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634965

<b>Sample Number:</b> 022071383	<b>Paddock Name:</b> MT02205	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	2.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.07	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.81	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.87	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	25	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	130	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.77	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.48		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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# SOIL ANALYSIS REPORT

Report Number: 634966

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071382	<b>Paddock Name:</b> MT022515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	470	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	58	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.21		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	24	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.8	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.3	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.06	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	9.0	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.2	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	17	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	60		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.069	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	6.89	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.99	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634966

<b>Sample Number:</b> 022071382	<b>Paddock Name:</b> MT022515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.4		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.82	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.66	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	31	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	100	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.70	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.28		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634967

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071381	<b>Paddock Name:</b> MT0221530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	360	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	49	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.12		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	37	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	10	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	5.5		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	3.3	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.93	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	3.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.37	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	8.87	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	4.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.9		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 634967

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634968

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071380	<b>Paddock Name:</b> MT0223060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	390	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	40	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.077		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	45	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.0		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.7	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.81	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.99	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	6.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	9.5	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.11	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	15.1	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	8.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	0.70	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.88		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.07	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	12	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 634968

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# SOIL ANALYSIS REPORT

Report Number: 634969

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071379	<b>Paddock Name:</b> MT02260100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	440	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	34	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.069		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	48	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	5.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			20/08/2020 to 20/08/2020
pH (1:5 CaCl <sub>2</sub> )	8.2		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	3.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	9.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	2.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	19.5	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	12	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.70		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.2		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.20	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	36	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 634969

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# SOIL ANALYSIS REPORT

Report Number: 634970

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071378	<b>Paddock Name:</b> MT02305	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	370	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	59	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.29		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	16	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	22	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay Loam		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Active (labile) Carbon ^	160	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	11	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.96	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	1.0	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	1.5	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	13	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	25		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.95	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.70	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.024	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	9.5	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.11	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	4.36	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.56	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634970

<b>Sample Number:</b> 022071378	<b>Paddock Name:</b> MT02305	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	2.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.7		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.2		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.49	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.35	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	21	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	49	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl2)	0.43	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.52		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 634971

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071377	<b>Paddock Name:</b> MT023515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	430	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	57	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.36		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	15	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	26	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay Loam		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Active (labile) Carbon ^	124	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	15	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.91	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	0.98	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	<1.0	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	9.7	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	26		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.65	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	<0.022	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	10	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.12	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	4.28	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634971

<b>Sample Number:</b> 022071377	<b>Paddock Name:</b> MT023515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	2.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.7		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.52	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.21	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	26	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	48	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.43	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.37		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634972

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071376	<b>Paddock Name:</b> MT0231530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT173		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	230	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	58	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.15		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	26	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	13	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	5.6		04-031-PH	19/08/2020 to 20/08/2020
Active (labile) Carbon ^	55.0	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	2.8	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.72	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	0.43	%	04-086-TC	20/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.59	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.036	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	9.2	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	4.67	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.78	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	2.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 634972

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634973

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071375	<b>Paddock Name:</b> MT0233060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
Available Potassium ^	360	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	48	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.073		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	42	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.5		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.6	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.66	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.92	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	5.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.31	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	14.0	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	0.72	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 634973

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634974

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071374	<b>Paddock Name:</b> MT02360100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	340	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	43	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.069		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	47	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.1		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.7	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.68	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.87	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	6.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.51	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	14.0	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	3.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.91		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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8 South Rd, Werribee Vic 3030  
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 634974

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634975

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071373	<b>Paddock Name:</b> MT02405	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	430	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	67	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.22		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	13	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.8	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Sandy Loam		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.5	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.04	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	9.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.76	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.8	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	13	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	18		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.80	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.035	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	13	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.14	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	6.38	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.55	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634975

<b>Sample Number:</b> 022071373	<b>Paddock Name:</b> MT02405	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	2.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	5.4		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.54	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	1.1	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	22	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	40	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl2)	0.64	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl2) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.72		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634976

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071372	<b>Paddock Name:</b> MT024515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	380	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	69	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.18		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	13	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.6	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	15	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			20/08/2020 to 20/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay Loam		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.8	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.94	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	32	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	2.1	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	7.7	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	11	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	28		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.98	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.82	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.073	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	10	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.11	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	6.50	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.1	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634976

<b>Sample Number:</b> 022071372	<b>Paddock Name:</b> MT024515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	5.5		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.10	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	15	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.54	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	1.0	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	20	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	35	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.57	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.39		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634977

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071371	<b>Paddock Name:</b> MT0241530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	250	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	62	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.12		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	26	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	11	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.3		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	9.7	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.64	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.068	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.90	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.5		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 634977

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634978

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071370	<b>Paddock Name:</b> MT0243060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	260	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	49	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.080		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	41	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	7.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.7		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	8.3	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.78	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.67	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	3.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.23	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	9.7	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.11	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	9.48	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	1.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.2		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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8 South Rd, Werribee Vic 3030  
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 634978

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634979

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071369	<b>Paddock Name:</b> MT02460100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	290	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	37	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.065		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	50	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	5.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.2		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.75	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	6.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.76	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	11	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.12	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	13.2	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	5.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	0.93	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.74		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.5		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 634979

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634980

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071368	<b>Paddock Name:</b> MT02505	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	370	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	64	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.22		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.6	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	18	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay Loam		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.2		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.5	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.94	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	17	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	1.9	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	22	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	27		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.95	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.91	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.035	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.29	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.65	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634980

<b>Sample Number:</b> 022071368	<b>Paddock Name:</b> MT02505	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.7		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.59	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.57	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	25	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	40	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.51	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.81		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634981

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071367	<b>Paddock Name:</b> MT025515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	410	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	62	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.24		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.1	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	20	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.65	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	3.7	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	1.1	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	14	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	32		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.92	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.037	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.28	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.71	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634981

<b>Sample Number:</b> 022071367	<b>Paddock Name:</b> MT025515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.6		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.5		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.66	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.16	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	28	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	28	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.54	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.44		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634982

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071366	<b>Paddock Name:</b> MT0251530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	240	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	48	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.071		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	37	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.3		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	3.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.78	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.60	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	3.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.97	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	10.0	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	9.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.9		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 634982

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634983

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071365	<b>Paddock Name:</b> MT0253060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	250	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	34	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.042		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	45	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	3.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.8		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	3.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.85	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.65	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	8.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	3.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	19.2	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.76		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.14	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	11	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 634983

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634984

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071364	<b>Paddock Name:</b> MT02560100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	240	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	25	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.045		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	47	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	3.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl <sub>2</sub> )	8.5		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	3.4	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.61	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	8.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	4.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	18.9	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	25	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.53		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.25	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 634984

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# SOIL ANALYSIS REPORT

Report Number: 634985

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071363	<b>Paddock Name:</b> MT02605	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	340	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	54	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.32		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.5	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	22	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay Loam		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.3	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.86	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	8.7	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.84	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	1.6	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	33	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	39		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.88	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.66	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.031	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	21	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.24	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	3.95	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.77	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634985

<b>Sample Number:</b> 022071363	<b>Paddock Name:</b> MT02605	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	6.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.2		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.56	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.24	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	40	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	100	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.51	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.85		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634986

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071362	<b>Paddock Name:</b> MT026515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	360	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	55	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.29		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	19	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.4	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	21	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay Loam		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.79	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	15	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	3.3	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.8	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	21	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	36		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.92	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.81	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	<0.022	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	21	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.23	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	4.35	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634986

<b>Sample Number:</b> 022071362	<b>Paddock Name:</b> MT026515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	5.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.56	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.19	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	41	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	75	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.48	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.58		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634987

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071361	<b>Paddock Name:</b> MT0261530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	280	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	59	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.11		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	31	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	9.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	5.5		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	23	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.71	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.053	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	7.33	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.72	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 634987

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# SOIL ANALYSIS REPORT

Report Number: 634988

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071360	<b>Paddock Name:</b> MT0263060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	420	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	49	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.074		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	43	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.8		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	8.9	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.69	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	7.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	6.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.18	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	16.0	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 634989

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071359	<b>Paddock Name:</b> MT02660100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	500	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	42	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.078		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	48	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	8.0		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	3.4	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	7.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	8.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.56	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	18.6	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	3.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.90		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.13	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634990

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071358	<b>Paddock Name:</b> MT02705	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	480	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	53	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.27		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	22	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	21	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Active (labile) Carbon ^	244	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	17	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	1.5	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	4.4	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	32	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	73		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.078	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	11	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.13	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.77	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.3	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634990

<b>Sample Number:</b> 022071358	<b>Paddock Name:</b> MT02705	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	2.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.4		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.07	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	15	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.85	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.65	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	34	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	160	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.64	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.44		04-020-ICP17	21/08/2020 to 21/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634991

Sustainable Soils Management P/L  
 PO Box 130  
 WARREN  
 NSW 2824



Report Authorised  
 Paul Kennelly  
 Laboratory Manager  
 NATA Accredited Laboratory  
 Number: 11958

<b>Sample Number:</b> 022071357	<b>Paddock Name:</b> MT027515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	360	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	57	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.19		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	26	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	16	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Active (labile) Carbon ^	119	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	4.1	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.78	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	0.98	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	2.0	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	15	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	66		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.92	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.068	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.78	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.2	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634991

<b>Sample Number:</b> 022071357	<b>Paddock Name:</b> MT027515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.2		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	16	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.81	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.18	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	29	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	67	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.62	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.23		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634992

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071356	<b>Paddock Name:</b> MT0271530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT173		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	4			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	230	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	51	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.13		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	35	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	11	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	5.4		04-031-PH	19/08/2020 to 20/08/2020
Active (labile) Carbon ^	58.3	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	2.1	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	0.56	%	04-086-TC	20/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.59	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.15	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.44	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.5		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 634992

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# SOIL ANALYSIS REPORT

Report Number: 634993

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071355	<b>Paddock Name:</b> MT0273060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	290	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	34	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.068		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	52	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	5.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	4.9		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.3	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.70	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.73	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	6.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.84	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	18	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.20	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	12.6	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	6.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	1.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.64		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 634993

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634994

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071354	<b>Paddock Name:</b> MT02760100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	3			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	4			20/08/2020 to 20/08/2020
Available Potassium ^	240	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	27	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.062		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	57	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	5.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	4.9		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.1	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.61	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	6.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	19	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.21	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	11.8	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	9.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	1.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.48		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.2		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.07	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634995

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071353	<b>Paddock Name:</b> MT02805	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	470	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	54	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.29		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	23	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.8	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	22	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.9		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.5	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.07	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	24	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	6.9	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	4.4	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	24	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	40		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.044	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.38	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.82	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634995

<b>Sample Number:</b> 022071353	<b>Paddock Name:</b> MT02805	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.4		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.08	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.79	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.70	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	67	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	59	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl2)	0.58	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl2) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.60		04-020-ICP17	21/08/2020 to 21/08/2020
Sand (Coarse) ^	24.2	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	49.1	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	12.1	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	14.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634996

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071352	<b>Paddock Name:</b> MT028515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	0			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	0			20/08/2020 to 20/08/2020
Available Potassium ^	330	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	59	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	6			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.16		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	26	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.5	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	14	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.9		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.9	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.86	%	04-018-UV1	19/08/2020 to 25/08/2020
Nitrate Nitrogen	57	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	15	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	9.4	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	18	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	45		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.85	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.085	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	6.07	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.4	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634996

<b>Sample Number:</b> 022071352	<b>Paddock Name:</b> MT028515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.15	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	23	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.84	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.31	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	58	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	47	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.51	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.40		04-020-ICP17	21/08/2020 to 21/08/2020
Sand (Coarse) ^	24.4	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	46.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	10.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	18.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634997

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071351	<b>Paddock Name:</b> MT0281530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	320	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	59	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.077		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	32	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	7.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	6.0		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	25	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.0	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.81	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	3.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.24	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	11.6	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.8		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.9		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.08	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sand (Coarse) ^	17.9	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	38.3	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	10.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 634997

<b>Sample Number:</b> 022071351	<b>Paddock Name:</b> MT0281530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	33.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 634998

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071350	<b>Paddock Name:</b> MT0283060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	1			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	2			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	2			20/08/2020 to 20/08/2020
Available Potassium ^	340	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	56	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.055		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	36	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	5.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	7.4		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	7.7	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.88	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	9.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	6.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.51	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	17.3	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.5		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.08	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sand (Coarse) ^	11.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	32.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	9.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 634998

<b>Sample Number:</b> 022071350	<b>Paddock Name:</b> MT0283060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	46.7	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 634999

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071349	<b>Paddock Name:</b> MT02860100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	290	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	53	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.046		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	38	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
pH (1:5 CaCl2)	8.2		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.4	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.72	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.73	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	9.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	6.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.80	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	17.4	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	4.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.4		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.14	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	16	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sand (Coarse) ^	15.2	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	41.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	10.2	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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# SOIL ANALYSIS REPORT

**Report Number:** 634999

<b>Sample Number:</b> 022071349	<b>Paddock Name:</b> MT02860100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	33.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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Analyses performed on soil dried at 40°C and ground to 2mm or less.

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# SOIL ANALYSIS REPORT

Report Number: 635000

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071348	<b>Paddock Name:</b> MT02905	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
2 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
20 hour natural aggregate ^	1			20/08/2020 to 20/08/2020
20 hour remoulded aggregate ^	3			20/08/2020 to 20/08/2020
Available Potassium ^	490	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	57	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			20/08/2020 to 20/08/2020
Grass Tetany Risk Index ^	0.31		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	18	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.1	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	22	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			20/08/2020 to 20/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay Loam		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.21	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	9.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	4.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	3.0	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	23	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	40		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.036	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	9.4	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.67	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.63	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635000

<b>Sample Number:</b> 022071348	<b>Paddock Name:</b> MT02905	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.2		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.2		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.67	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.64	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	28	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	82	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.55	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.58		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635001

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071347	<b>Paddock Name:</b> MT029515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	1			21/08/2020 to 21/08/2020
Available Potassium ^	310	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	60	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.18		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	22	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.5	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	15	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.86	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	6.4	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	3.4	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	13	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	49		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.80	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.053	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	10	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	0.12	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.30	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.99	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635001

<b>Sample Number:</b> 022071347	<b>Paddock Name:</b> MT029515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	2.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.7		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.77	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.19	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	40	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	63	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.54	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.27		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635002

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071346	<b>Paddock Name:</b> MT0291530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	250	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	54	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.089		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	34	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	7.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	5.5		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	4.3	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.64	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.32	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	8.13	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	3.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.6		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635002

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635003

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071345	<b>Paddock Name:</b> MT0293060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	280	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	44	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.050		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	44	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	6.9		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	4.1	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.70	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	7.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	7.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	15.9	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	7.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.2		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.07	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635003

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635004

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071344	<b>Paddock Name:</b> MT02960100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	220	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	39	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.052		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	47	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	7.6		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.8	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.55	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	5.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	12.3	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	9.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.83		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.9		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.08	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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8 South Rd, Werribee Vic 3030  
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635004

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635005

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071343	<b>Paddock Name:</b> MT03005	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	2			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
Available Potassium ^	410	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	54	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.19		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	27	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.2	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	15	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.28	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.7	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	5.1	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	19	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	45		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.29	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	7.16	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	4.1	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635005

<b>Sample Number:</b> 022071343	<b>Paddock Name:</b> MT03005	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.07	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	23	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.71	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.52	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	22	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	64	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.65	mg/kg	04-025-ICP7	20/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.42		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635006

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071342	<b>Paddock Name:</b> MT030515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	280	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	57	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.12		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	29	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.0	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	10	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.16	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	3.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	1.7	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	15	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	48		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.71	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.26	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	6.89	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	3.8	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635006

<b>Sample Number:</b> 022071342	<b>Paddock Name:</b> MT030515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.77	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.34	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	26	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	62	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.68	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.31		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635007

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071341	<b>Paddock Name:</b> MT0301530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	180	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	52	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.054		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	36	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	5.6		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.90	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.45	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	3.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.66	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	9.42	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	7.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.4		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635007

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635008

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071340	<b>Paddock Name:</b> MT0303060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	170	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	38	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.031		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	48	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	2.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	7.4		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.6	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.43	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	7.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	2.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	16.2	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	12	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.79		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.09	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	13	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635008

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635009

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071339	<b>Paddock Name:</b> MT03060100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	150	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	31	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.029		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	49	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	2.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	8.1		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.3	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.63	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.39	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	8.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	3.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	16.9	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	18	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.62		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.17	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	55	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635009

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635010

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071338	<b>Paddock Name:</b> MT03105	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
Available Potassium ^	430	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	56	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.26		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	22	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.0	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	20	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.15	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	15	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.0	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	13	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	50		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.081	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.51	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.5	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635010

<b>Sample Number:</b> 022071338	<b>Paddock Name:</b> MT03105	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.6		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.9		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.82	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.65	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	39	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	90	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl2)	0.58	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl2) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.26		04-020-ICP17	21/08/2020 to 21/08/2020
Sand (Coarse) ^	18.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	53.9	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	15.0	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	12.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635011

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071337	<b>Paddock Name:</b> MT031515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
Available Potassium ^	360	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	61	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.22		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	20	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.6	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	18	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	4.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.94	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	6.9	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.1	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.6	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	7.2	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	64		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.92	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.063	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.24	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.2	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635011

<b>Sample Number:</b> 022071337	<b>Paddock Name:</b> MT031515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.2		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.0		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.79	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.28	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	42	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	63	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.57	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.11		04-020-ICP17	21/08/2020 to 21/08/2020
Sand (Coarse) ^	16.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	54.7	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	15.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Clay ^	13.2	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635012

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071336	<b>Paddock Name:</b> MT0311530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	130	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	65	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.070		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	26	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	5.1		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.0	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.91	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.32	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.15	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.08	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.5		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sand (Coarse) ^	19.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	53.4	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	13.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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# SOIL ANALYSIS REPORT

**Report Number:** 635012

<b>Sample Number:</b> 022071336	<b>Paddock Name:</b> MT0311530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	13.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635013

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071335	<b>Paddock Name:</b> MT0313060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	62	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	41	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.036		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	45	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	3.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	5.8		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.16	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.58	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.21	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	11	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.96		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	13	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sand (Coarse) ^	22.1	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	51.9	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	12.4	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 635013

<b>Sample Number:</b> 022071335	<b>Paddock Name:</b> MT0313060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	13.6	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635014

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071334	<b>Paddock Name:</b> MT03160100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	120	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	28	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.039		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	52	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	3.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	6.2		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.6	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.63	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.32	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	5.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	10.4	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.54		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.12	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	91	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sand (Coarse) ^	31.2	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Sand (Fine) ^	34.8	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Silt ^	8.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 635014

<b>Sample Number:</b> 022071334	<b>Paddock Name:</b> MT03160100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	25.5	%	04-001-SANSILCLAY	19/08/2020 to 25/08/2020
Texture (Calculated) ^			04-001-SANSILCLAY	19/08/2020 to 25/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635015

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071333	<b>Paddock Name:</b> MT03205	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	320	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	71	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.17		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	15	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	15	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay Loam		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Active (labile) Carbon ^	166	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	4.7	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.82	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	1.2	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	<1.0	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	9.1	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	40		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.82	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.81	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	<0.022	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.55	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635015

<b>Sample Number:</b> 022071333	<b>Paddock Name:</b> MT03205	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	4.8		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.5		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.47	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.28	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	19	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	24	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.49	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.23		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635016

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071332	<b>Paddock Name:</b> MT032515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
Available Potassium ^	330	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	83	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.084		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	9.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	7.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			21/08/2020 to 21/08/2020
Soil Colour	Red-brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	7.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.8	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Active (labile) Carbon ^	119	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	2.4	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	0.93	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	1.3	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	7.5	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	67		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.84	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	9.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	<0.022	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	10.9	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020

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Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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# SOIL ANALYSIS REPORT

Report Number: 635016

<b>Sample Number:</b> 022071332	<b>Paddock Name:</b> MT032515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	9.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.2		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.13	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.39	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.081	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	7.2	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	8.3	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.63	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.11		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635017

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071331	<b>Paddock Name:</b> MT0321530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT173		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 24/08/2020
2 hour remoulded aggregate ^	0			21/08/2020 to 24/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 24/08/2020
20 hour remoulded aggregate ^	0			21/08/2020 to 24/08/2020
Available Potassium ^	280	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	88	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			21/08/2020 to 24/08/2020
Grass Tetany Risk Index ^	0.041		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	8.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	3.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			21/08/2020 to 24/08/2020
pH (1:5 CaCl2)	8.0		04-031-PH	19/08/2020 to 20/08/2020
Active (labile) Carbon ^	67.0	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	2.0	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	0.69	%	04-086-TC	20/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.71	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	16	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	<0.022	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	18.6	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	11		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.11	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635017

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# SOIL ANALYSIS REPORT

Report Number: 635018

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071330	<b>Paddock Name:</b> MT0323060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
Available Potassium ^	360	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	75	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	6			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.043		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	20	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	8.1		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	6.6	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.73	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.92	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	17	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	4.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.091	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	22.1	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.41	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.8		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.7		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.14	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635018

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635019

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b>	022071329	<b>Paddock Name:</b>	MT03260100	<b>Date Received:</b>	18-Aug-2020
<b>Test Code:</b>	2017-065			<b>Date of Report:</b>	27-Oct-2020
<b>Purchase Order No:</b>	TPG				
<b>Grower Name:</b>	SUSTAINABLE SOIL MANAG				

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
Available Potassium ^	350	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	51	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	6			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.072		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	41	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	8.2		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.89	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	5.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.14	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	13.4	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.12	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635019

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# SOIL ANALYSIS REPORT

Report Number: 635020

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071328	<b>Paddock Name:</b> MT03305	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
Available Potassium ^	370	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	63	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.22		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	18	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.0	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	18	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.2		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.15	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	4.3	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.3	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.7	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	12	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	53		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.94	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.94	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.058	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.19	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.1	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635020

<b>Sample Number:</b> 022071328	<b>Paddock Name:</b> MT03305	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.5		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.61	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.60	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	26	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	60	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.52	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.23		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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^ NATA accreditation does not cover the performance of this service.

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# SOIL ANALYSIS REPORT

Report Number: 635021

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071327	<b>Paddock Name:</b> MT033515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	250	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	67	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.14		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	21	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.3	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	12	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.3		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.1	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.75	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	2.0	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.73	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.1	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	10	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	56		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.65	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.052	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	5.45	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.95	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635021

<b>Sample Number:</b> 022071327	<b>Paddock Name:</b> MT033515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.5		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.61	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.23	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	29	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	41	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.46	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.18		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635022

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071326	<b>Paddock Name:</b> MT0331530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	110	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	56	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.071		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	33	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	5.6		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	1.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.27	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.19	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	4.18	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	4.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.7		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635022

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# SOIL ANALYSIS REPORT

Report Number: 635023

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071325	<b>Paddock Name:</b> MT0333060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	180	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	39	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.058		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	46	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	6.0		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.76	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.46	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	4.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.89	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 24/08/2020
Cation Exchange Capacity (Amm-acet.)	9.28	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	9.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.86		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635023

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# SOIL ANALYSIS REPORT

Report Number: 635024

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071324	<b>Paddock Name:</b> MT03360100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	260	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	30	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.063		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	52	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	5.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	5.9		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	2.7	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.66	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	6.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	12.8	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	13	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.58		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.9		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.15	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	35	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635024

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635025

This report supersedes Report Number 633998

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071323	<b>Paddock Name:</b> MT03405	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
Available Potassium ^	380	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	56	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.18		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	27	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.0	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	15	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.3	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.15	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	7.6	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	4.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.9	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	14	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	42		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.98	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.11	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	6.68	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.7	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635025

<b>Sample Number:</b> 022071323	<b>Paddock Name:</b> MT03405	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.6		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	11	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.78	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.41	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	27	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	36	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.55	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.33		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635026

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071322	<b>Paddock Name:</b> MT034515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	340	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	40	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.067		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	45	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.2	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	5.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	6.4		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	0.71	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	2.9	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.0	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.3	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	7.6	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	77		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.87	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	6.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	15.2	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	9.5	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635026

<b>Sample Number:</b> 022071322	<b>Paddock Name:</b> MT034515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.90		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.8		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.07	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	28	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	1.0	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.056	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	22	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	16	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	1.4	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.10		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635027

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071321	<b>Paddock Name:</b> MT0341530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
Available Potassium ^	250	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	48	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.023		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	37	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	1.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	8.3		04-031-PH	19/08/2020 to 20/08/2020
Nitrate Nitrogen	5.7	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.1	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.63	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	16	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	12	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	4.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	32.5	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	13	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.1		04-031-PH	19/08/2020 to 20/08/2020
Electrical Conductivity (1:5 water)	0.47	dS/m	04-031-PH	19/08/2020 to 20/08/2020
Chloride	280	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635027

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635028

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071320	<b>Paddock Name:</b> MT0343060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
Available Potassium ^	210	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	45	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	6			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.019		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	35	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	1.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	8.5		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	8.9	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.95	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.53	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	16	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	12	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	6.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	34.5	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	18	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.3		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.96	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	850	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635028

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635029

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071318	<b>Paddock Name:</b> MT03460100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	1			21/08/2020 to 21/08/2020
Available Potassium ^	210	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	42	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.020		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	37	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	1.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	8.7		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	5.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.1	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.55	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	15	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	13	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	7.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	35.1	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	20	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.2		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.4		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	1.08	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	920	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635029

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635168

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071496	<b>Paddock Name:</b> MT035010	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	1			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	0			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	1			4/09/2020 to 4/09/2020
Available Potassium ^	490	mg/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium % of Cations	64	%	04-026-ICP8	8/09/2020 to 8/09/2020
Emerson Class ^	8			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.25		04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium % of Cations	16	%	04-026-ICP8	8/09/2020 to 8/09/2020
Organic Matter (W&B * 1.72) ^	2.6	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	20	%	04-026-ICP8	8/09/2020 to 8/09/2020
Slaking ^	1			4/09/2020 to 4/09/2020
Soil Colour	Red-brown		04-042-PHYS	8/09/2020 to 8/09/2020
Soil Texture	Clay Loam		04-042-PHYS	8/09/2020 to 8/09/2020
pH (1:5 CaCl2)	5.8		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.9	dS/m	04-054-WCALC	8/09/2020 to 8/09/2020
Organic Carbon (W&B)	1.51	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	11	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Ammonium Nitrogen	2.5	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Sulphur (KCl40)	10	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	7.1	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	60		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium (Amm-acet.)	4.1	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium (Amm-acet.)	1.0	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Sodium (Amm-acet.)	0.063	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	6.41	cmol(+)/kg	04-026-ICP8	8/09/2020 to 8/09/2020
Sodium % of cations	0.98	%	04-026-ICP8	8/09/2020 to 8/09/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 635168

<b>Sample Number:</b> 022071496	<b>Paddock Name:</b> MT035010	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	8/09/2020 to 8/09/2020
Calcium/Magnesium Ratio	4.1		04-026-ICP8	7/09/2020 to 8/09/2020
pH (1:5 Water)	6.4		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.11	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	12	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Copper (DTPA)	0.62	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.45	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	30	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	67	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl <sub>2</sub> )	0.69	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.12		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635030

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071316	<b>Paddock Name:</b> MT035515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	2			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	2			21/08/2020 to 21/08/2020
Available Potassium ^	550	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	63	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.23		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	16	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.1	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	18	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	24/08/2020 to 24/08/2020
Soil Texture	Clay		04-042-PHYS	24/08/2020 to 24/08/2020
pH (1:5 CaCl2)	5.4		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.3	dS/m	04-054-WCALC	24/08/2020 to 24/08/2020
Organic Carbon (W&B)	1.20	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	8.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	2.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.5	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	7.9	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	64		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.063	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	10	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	0.11	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	7.74	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.81	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635030

<b>Sample Number:</b> 022071316	<b>Paddock Name:</b> MT035515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	4.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.5		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.61	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.22	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	33	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	48	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.65	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.12		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635031

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071315	<b>Paddock Name:</b> MT0351530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	370	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	62	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.21		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	20	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	6.0		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	0.98	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.96	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.051	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	5.64	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.90	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.2		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.1		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635031

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635032

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071314	<b>Paddock Name:</b> MT0353060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	270	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	55	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.14		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	30	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	12	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	6.3		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	0.81	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.70	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.14	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	5.78	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.8		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.5		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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8 South Rd, Werribee Vic 3030  
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635032

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635033

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071313	<b>Paddock Name:</b> MT03560100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	300	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	34	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.095		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	50	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	8.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	6.1		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	0.80	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.77	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	4.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.76	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	9.61	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	7.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.69		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.4		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	11	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635033

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635034

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071312	<b>Paddock Name:</b> MT03605	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	2			21/08/2020 to 21/08/2020
Available Potassium ^	490	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	64	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.26		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	16	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.9	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	20	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay Loam		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	5.6		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.8	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Organic Carbon (W&B)	1.71	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	32	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	2.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	3.3	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	20	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	42		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.027	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	6.33	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.43	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635034

<b>Sample Number:</b> 022071312	<b>Paddock Name:</b> MT03605	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	4.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.4		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.10	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.61	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	1.0	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	38	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	61	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.64	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.48		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635035

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071311	<b>Paddock Name:</b> MT036515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
Available Potassium ^	370	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	65	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.27		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	13	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.0	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	21	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay Loam		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	4.7		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Organic Carbon (W&B)	0.60	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	3.7	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.85	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	1.4	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	12	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	53		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.94	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.60	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.025	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	4.43	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.57	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635035

<b>Sample Number:</b> 022071311	<b>Paddock Name:</b> MT036515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	4.8		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.2		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.72	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.20	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	55	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	39	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.46	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.23		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635036

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071310	<b>Paddock Name:</b> MT0361530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
Available Potassium ^	250	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	88	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	6			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.060		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	6.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	5.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	7.7		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	1.4	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.64	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	9.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.78	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	<0.022	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	11.2	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	13		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.3		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.13	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
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**Report Number:** 635036

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635037

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071309	<b>Paddock Name:</b> MT0363060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
Available Potassium ^	110	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	92	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	6			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.015		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	6.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	1.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	8.1		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	0.84	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.28	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	18	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.040	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	19.1	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.21	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	15		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.9		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.09	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635037

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635038

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071308	<b>Paddock Name:</b> MT03660100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
Available Potassium ^	93	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	89	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	6			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.014		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	9.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	1.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	8.2		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	0.55	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.24	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	16	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.083	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	17.7	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.47	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	10		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.9		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.10	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635038

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635098

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071306	<b>Paddock Name:</b> MT03705	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	2			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	3			4/09/2020 to 4/09/2020
Available Potassium ^	440	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	56	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	8			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.28		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	21	%	04-026-ICP8	9/09/2020 to 9/09/2020
Organic Matter (W&B * 1.72) ^	2.3	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	22	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	1			4/09/2020 to 4/09/2020
Soil Colour	Red-brown		04-042-PHYS	7/09/2020 to 7/09/2020
Soil Texture	Clay Loam		04-042-PHYS	7/09/2020 to 7/09/2020
pH (1:5 CaCl2)	5.0		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	7/09/2020 to 7/09/2020
Organic Carbon (W&B)	1.31	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	6.6	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Ammonium Nitrogen	5.5	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Sulphur (KCl40)	2.5	mg/kg	04-021-ICP2	4/09/2020 to 7/09/2020
Phosphorus (Colwell)	15	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	39		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	2.9	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.064	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	5.26	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	1.2	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635098

<b>Sample Number:</b> 022071306	<b>Paddock Name:</b> MT03705	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	2.6		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	6.3		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	3/09/2020 to 4/09/2020
Chloride	<10	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Copper (DTPA)	0.65	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Zinc (DTPA)	1.1	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Manganese (DTPA)	38	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Iron (DTPA)	97	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Boron (Hot CaCl <sub>2</sub> )	0.55	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.38		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635099

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071305	<b>Paddock Name:</b> MT037515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	380	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	58	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	8			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.25		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	21	%	04-026-ICP8	9/09/2020 to 9/09/2020
Organic Matter (W&B * 1.72) ^	1.1	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	20	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	1			4/09/2020 to 4/09/2020
Soil Colour	Red		04-042-PHYS	7/09/2020 to 7/09/2020
Soil Texture	Clay		04-042-PHYS	7/09/2020 to 7/09/2020
pH (1:5 CaCl2)	5.1		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	7/09/2020 to 7/09/2020
Organic Carbon (W&B)	0.62	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	1.5	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Ammonium Nitrogen	1.5	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Sulphur (KCl40)	1.8	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	<5.0	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	50		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	0.97	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	2.9	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	1.0	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.094	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	4.96	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	1.9	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635099

<b>Sample Number:</b> 022071305	<b>Paddock Name:</b> MT037515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	2.9		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	6.5		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	3/09/2020 to 4/09/2020
Chloride	<10	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Copper (DTPA)	0.63	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Zinc (DTPA)	0.14	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Manganese (DTPA)	25	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Iron (DTPA)	33	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Boron (Hot CaCl <sub>2</sub> )	0.51	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.10		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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# SOIL ANALYSIS REPORT

Report Number: 635100

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071304	<b>Paddock Name:</b> MT0371530	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	4			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	210	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	40	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	8			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.067		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	47	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	5.8	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	1			4/09/2020 to 4/09/2020
pH (1:5 CaCl <sub>2</sub> )	6.0		04-031-PH	3/09/2020 to 4/09/2020
Nitrate Nitrogen	1.0	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Ammonium Nitrogen	1.1	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.54	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	3.7	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	4.4	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.63	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	9.27	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	6.8	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	0.84		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	7.6		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	3/09/2020 to 4/09/2020
Chloride	<10	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020

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**Report Number:** 635100

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# SOIL ANALYSIS REPORT

Report Number: 635101

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071303	<b>Paddock Name:</b> MT0373060	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	260	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	36	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.065		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	51	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	5.7	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl <sub>2</sub> )	7.0		04-031-PH	3/09/2020 to 4/09/2020
Nitrate Nitrogen	1.1	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Ammonium Nitrogen	0.91	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.66	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	4.2	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	5.9	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.87	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	11.6	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	7.5	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	0.71		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	8.4		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	3/09/2020 to 4/09/2020
Chloride	<10	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020

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**Report Number:** 635101

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635102

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071302	<b>Paddock Name:</b> MT03760100	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	180	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	33	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.078		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	49	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	6.4	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl <sub>2</sub> )	7.7		04-031-PH	3/09/2020 to 4/09/2020
Nitrate Nitrogen	1.1	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Ammonium Nitrogen	0.76	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.46	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	2.4	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	3.5	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.81	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	7.20	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	11	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	0.69		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	9.2		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	3/09/2020 to 4/09/2020
Chloride	11	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635102

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# SOIL ANALYSIS REPORT

Report Number: 635103

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071301	<b>Paddock Name:</b> MT03805	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	2			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	2			4/09/2020 to 4/09/2020
Available Potassium ^	280	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	50	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	8			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.26		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	25	%	04-026-ICP8	9/09/2020 to 9/09/2020
Organic Matter (W&B * 1.72) ^	1.9	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	19	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	1			4/09/2020 to 4/09/2020
Soil Colour	Red-brown		04-042-PHYS	7/09/2020 to 7/09/2020
Soil Texture	Clay Loam		04-042-PHYS	7/09/2020 to 7/09/2020
pH (1:5 CaCl2)	4.7		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.3	dS/m	04-054-WCALC	7/09/2020 to 7/09/2020
Organic Carbon (W&B)	1.10	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	8.9	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Ammonium Nitrogen	6.6	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Sulphur (KCl40)	1.8	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	6.2	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	45		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	0.72	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	1.9	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	0.92	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.051	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	16	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.18	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	3.75	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	1.3	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635103

<b>Sample Number:</b> 022071301	<b>Paddock Name:</b> MT03805	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	4.8	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	2.1		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	5.8		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	3/09/2020 to 4/09/2020
Chloride	<10	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Copper (DTPA)	0.56	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Zinc (DTPA)	0.72	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Manganese (DTPA)	28	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Iron (DTPA)	64	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Boron (Hot CaCl <sub>2</sub> )	0.45	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.14		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635104

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071300	<b>Paddock Name:</b> MT038515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	3			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	3			4/09/2020 to 4/09/2020
Available Potassium ^	210	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	55	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	8			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.20		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	24	%	04-026-ICP8	9/09/2020 to 9/09/2020
Organic Matter (W&B * 1.72) ^	0.83	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	16	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	1			4/09/2020 to 4/09/2020
Soil Colour	Red		04-042-PHYS	7/09/2020 to 7/09/2020
Soil Texture	Clay Loam		04-042-PHYS	7/09/2020 to 7/09/2020
pH (1:5 CaCl2)	4.8		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	7/09/2020 to 7/09/2020
Organic Carbon (W&B)	0.48	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	2.3	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Ammonium Nitrogen	1.8	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Sulphur (KCl40)	<1.0	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	<5.0	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	43		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	0.54	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	1.9	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	0.81	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.057	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	13	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.15	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	3.45	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	1.6	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635104

<b>Sample Number:</b> 022071300	<b>Paddock Name:</b> MT038515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	4.3	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	2.3		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	6.3		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	3/09/2020 to 4/09/2020
Chloride	<10	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Copper (DTPA)	0.57	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Zinc (DTPA)	0.053	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Manganese (DTPA)	26	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Iron (DTPA)	23	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Boron (Hot CaCl <sub>2</sub> )	0.35	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.12		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635105

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071299	<b>Paddock Name:</b> MT0381530	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	150	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	34	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	8			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.081		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	50	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	6.7	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	1			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	5.7		04-031-PH	3/09/2020 to 4/09/2020
Nitrate Nitrogen	0.90	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Ammonium Nitrogen	1.2	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.39	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	1.9	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	2.9	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.55	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	5.76	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	9.6	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	0.66		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	7.3		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	3/09/2020 to 4/09/2020
Chloride	<10	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020

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**Report Number:** 635105

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635106

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071298	<b>Paddock Name:</b> MT0383060	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	200	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	29	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	8			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.065		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	54	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	5.4	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	1			4/09/2020 to 4/09/2020
pH (1:5 CaCl <sub>2</sub> )	6.1		04-031-PH	3/09/2020 to 4/09/2020
Nitrate Nitrogen	0.57	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Ammonium Nitrogen	1.1	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.50	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	2.7	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	5.0	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	9.37	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	12	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	0.54		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	7.7		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	3/09/2020 to 4/09/2020
Chloride	11	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020

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**Report Number:** 635106

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

**Report Number:** 635107

This report supersedes Report Number 634009

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071297	<b>Paddock Name:</b> MT03860100	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	260	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	26	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.060		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	55	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	4.9	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	7.1		04-031-PH	3/09/2020 to 4/09/2020
Nitrate Nitrogen	0.88	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Ammonium Nitrogen	0.80	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.65	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	3.5	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	7.3	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	2.0	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	13.4	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	15	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	0.48		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	8.5		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (1:5 water)	0.09	dS/m	04-031-PH	3/09/2020 to 4/09/2020
Chloride	19	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020

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Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635107

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# SOIL ANALYSIS REPORT

Report Number: 635108

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072000	<b>Paddock Name:</b> MT03905	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	560	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	64	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.22		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	17	%	04-026-ICP8	9/09/2020 to 9/09/2020
Organic Matter (W&B * 1.72) ^	2.0	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	18	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
Soil Colour	Red-brown		04-042-PHYS	7/09/2020 to 7/09/2020
Soil Texture	Clay		04-042-PHYS	7/09/2020 to 7/09/2020
pH (1:5 CaCl2)	5.3		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	7/09/2020 to 7/09/2020
Organic Carbon (W&B)	1.17	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	2.6	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Ammonium Nitrogen	2.0	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Sulphur (KCl40)	2.6	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	8.7	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	44		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	5.0	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.087	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	7.80	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	1.1	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635108

<b>Sample Number:</b> 022072000	<b>Paddock Name:</b> MT03905	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	3.8		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	6.5		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	3/09/2020 to 4/09/2020
Chloride	<10	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Copper (DTPA)	0.95	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Zinc (DTPA)	0.41	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Manganese (DTPA)	43	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Iron (DTPA)	51	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Boron (Hot CaCl <sub>2</sub> )	0.81	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.20		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635109

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071995	<b>Paddock Name:</b> MT039515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	2			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	3			4/09/2020 to 4/09/2020
Available Potassium ^	330	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	71	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.10		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	19	%	04-026-ICP8	9/09/2020 to 9/09/2020
Organic Matter (W&B * 1.72) ^	1.4	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	9.3	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
Soil Colour	Red-brown		04-042-PHYS	7/09/2020 to 7/09/2020
Soil Texture	Clay		04-042-PHYS	7/09/2020 to 7/09/2020
pH (1:5 CaCl2)	5.8		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	7/09/2020 to 7/09/2020
Organic Carbon (W&B)	0.84	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	1.9	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Ammonium Nitrogen	2.3	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Sulphur (KCl40)	5.1	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	7.0	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	54		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	0.84	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	6.4	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	1.7	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.083	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	9.06	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	0.91	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635109

<b>Sample Number:</b> 022071995	<b>Paddock Name:</b> MT039515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	3.8		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	6.7		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	3/09/2020 to 4/09/2020
Chloride	11	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Copper (DTPA)	0.97	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Zinc (DTPA)	0.17	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Manganese (DTPA)	45	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Iron (DTPA)	26	mg/kg	04-024-ICP6	4/09/2020 to 7/09/2020
Boron (Hot CaCl <sub>2</sub> )	0.67	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.13		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635110

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071994	<b>Paddock Name:</b> MT0391530	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	4			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	230	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	64	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	8			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.080		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	27	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	7.2	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	1			4/09/2020 to 4/09/2020
pH (1:5 CaCl <sub>2</sub> )	6.2		04-031-PH	3/09/2020 to 4/09/2020
Nitrate Nitrogen	1.5	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Ammonium Nitrogen	1.3	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.59	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	5.2	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	2.2	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.12	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	8.12	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	1.5	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	2.4		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	7.5		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	3/09/2020 to 4/09/2020
Chloride	<10	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020

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**Report Number:** 635110

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635111

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071993	<b>Paddock Name:</b> MT0393060	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	300	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	48	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.056		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	44	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	5.2	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl <sub>2</sub> )	6.7		04-031-PH	3/09/2020 to 4/09/2020
Nitrate Nitrogen	<0.50	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Ammonium Nitrogen	1.2	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.76	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	7.1	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	6.4	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.40	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	14.7	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	2.7	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.1		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	7.8		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	3/09/2020 to 4/09/2020
Chloride	<10	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020

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**Report Number:** 635111

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# SOIL ANALYSIS REPORT

Report Number: 635112

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071992	<b>Paddock Name:</b> MT03960100	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	220	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	41	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.056		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	48	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	5.0	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	6.8		04-031-PH	3/09/2020 to 4/09/2020
Nitrate Nitrogen	<0.50	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Ammonium Nitrogen	0.82	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.55	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	4.5	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	5.3	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.58	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	11.0	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	5.2	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	0.85		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	8.4		04-031-PH	3/09/2020 to 4/09/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	3/09/2020 to 4/09/2020
Chloride	<10	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020

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**Report Number:** 635112

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635113

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071991	<b>Paddock Name:</b> MT04005	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	480	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	56	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	8			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.24		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	21	%	04-026-ICP8	9/09/2020 to 9/09/2020
Organic Matter (W&B * 1.72) ^	2.4	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	19	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	1			4/09/2020 to 4/09/2020
Soil Colour	Red-brown		04-042-PHYS	7/09/2020 to 7/09/2020
Soil Texture	Clay		04-042-PHYS	7/09/2020 to 7/09/2020
pH (1:5 CaCl2)	5.0		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.3	dS/m	04-054-WCALC	7/09/2020 to 7/09/2020
Organic Carbon (W&B)	1.38	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	2.5	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Ammonium Nitrogen	7.1	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Sulphur (KCl40)	1.7	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	55	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	70		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	3.7	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.31	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	6.64	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	4.7	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635113

<b>Sample Number:</b> 022071991	<b>Paddock Name:</b> MT04005	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	2.6		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	6.4		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Copper (DTPA)	1.5	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.87	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	76	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	92	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl <sub>2</sub> )	0.72	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.79		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635114

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071990	<b>Paddock Name:</b> MT040515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	220	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	61	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	8			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.11		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	24	%	04-026-ICP8	9/09/2020 to 9/09/2020
Organic Matter (W&B * 1.72) ^	1.5	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	9.4	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	1			4/09/2020 to 4/09/2020
Soil Colour	Red-brown		04-042-PHYS	7/09/2020 to 7/09/2020
Soil Texture	Clay		04-042-PHYS	7/09/2020 to 7/09/2020
pH (1:5 CaCl2)	4.8		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	7/09/2020 to 7/09/2020
Organic Carbon (W&B)	0.85	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	1.6	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Ammonium Nitrogen	1.0	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Sulphur (KCl40)	2.7	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	10	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	64		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	0.56	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	3.7	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.24	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	9.2	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	5.99	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	4.0	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635114

<b>Sample Number:</b> 022071990	<b>Paddock Name:</b> MT040515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.7	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	2.6		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	6.2		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	4/09/2020 to 8/09/2020
Copper (DTPA)	1.5	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.15	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	34	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	34	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl <sub>2</sub> )	0.75	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.16		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635115

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071989	<b>Paddock Name:</b> MT0401530	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	4			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	120	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	41	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	1			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.058		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	40	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	4.7	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl <sub>2</sub> )	5.3		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	<0.50	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.2	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.31	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	2.7	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	2.6	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.94	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	6.54	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	14	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.0		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	7.1		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020

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**Report Number:** 635115

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635116

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071988	<b>Paddock Name:</b> MT0403060	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	190	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	32	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.048		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	47	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	3.8	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl <sub>2</sub> )	6.7		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	<0.50	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.4	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.48	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	4.1	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	6.0	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	2.3	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	12.8	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	18	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	0.68		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	8.2		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.07	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	11	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020

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**Report Number:** 635116

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635117

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071987	<b>Paddock Name:</b> MT04060100	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	280	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	27	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.052		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	48	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	4.0	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	7.6		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	<0.50	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.5	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.71	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	4.9	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	8.7	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	3.6	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	18.0	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	20	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	0.56		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	9.1		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.11	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	23	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020

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**Report Number:** 635117

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635118

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071982	<b>Paddock Name:</b> MT04105	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	1			4/09/2020 to 4/09/2020
Available Potassium ^	740	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	78	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	8			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.073		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	15	%	04-026-ICP8	9/09/2020 to 9/09/2020
Organic Matter (W&B * 1.72) ^	3.2	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	6.8	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	1			4/09/2020 to 4/09/2020
Soil Colour	Brown		04-042-PHYS	7/09/2020 to 7/09/2020
Soil Texture	Clay		04-042-PHYS	7/09/2020 to 7/09/2020
pH (1:5 CaCl2)	7.8		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	1.1	dS/m	04-054-WCALC	7/09/2020 to 7/09/2020
Organic Carbon (W&B)	1.86	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	14	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	3.7	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sulphur (KCl40)	3.6	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	27	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	100		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	1.9	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	22	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	4.2	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.12	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	27.8	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	0.45	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635118

<b>Sample Number:</b> 022071982	<b>Paddock Name:</b> MT04105	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	5.2		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	8.4		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.17	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Copper (DTPA)	1.1	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.47	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	7.1	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	16	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl <sub>2</sub> )	1.6	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	0.026	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.27		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635119

Sustainable Soils Management P/L  
 PO Box 130  
 WARREN  
 NSW 2824



Report Authorised  
 Paul Kennelly  
 Laboratory Manager  
 NATA Accredited Laboratory  
 Number: 11958

<b>Sample Number:</b> 022071981	<b>Paddock Name:</b> MT041515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
Available Potassium ^	400	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	77	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.051		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	17	%	04-026-ICP8	9/09/2020 to 9/09/2020
Organic Matter (W&B * 1.72) ^	1.4	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	4.9	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
Soil Colour	Brown		04-042-PHYS	7/09/2020 to 7/09/2020
Soil Texture	Clay		04-042-PHYS	7/09/2020 to 7/09/2020
pH (1:5 CaCl2)	8.0		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.7	dS/m	04-054-WCALC	7/09/2020 to 7/09/2020
Organic Carbon (W&B)	0.84	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	1.7	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.8	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sulphur (KCl40)	1.2	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	<5.0	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	99		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	1.0	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	16	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	3.6	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.099	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	20.7	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	0.48	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635119

<b>Sample Number:</b> 022071981	<b>Paddock Name:</b> MT041515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	4.4		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	8.7		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.12	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Copper (DTPA)	1.3	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.089	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	7.8	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	16	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl <sub>2</sub> )	1.2	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.05		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635120

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071983	<b>Paddock Name:</b> MT0411530	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
Available Potassium ^	270	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	63	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.038		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	31	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	3.6	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	7.9		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	0.52	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.4	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.68	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	12	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	6.0	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.31	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	19.1	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	1.6	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	2.0		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	8.7		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.10	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020

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**Report Number:** 635120

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635121

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071986	<b>Paddock Name:</b> MT0413060	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	2			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	2			4/09/2020 to 4/09/2020
Available Potassium ^	200	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	50	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.028		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	41	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	2.6	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	8.3		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	1.9	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.7	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.52	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	10	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	8.3	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	12	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.14	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	20.2	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	5.7	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	0.67	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.2		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	9.2		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.16	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020

## Nutrient Advantage Laboratory Services

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Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635121

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635122

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071985	<b>Paddock Name:</b> MT04160100	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	4			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	200	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	47	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	8			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.028		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	41	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	2.5	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	1			4/09/2020 to 4/09/2020
pH (1:5 CaCl <sub>2</sub> )	8.5		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	2.7	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.4	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.52	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	9.8	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	8.5	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	2.1	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	13	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.14	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	21.0	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	9.9	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	0.67	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.2		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	9.5		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.21	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	13	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020

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**Report Number:** 635122

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635123

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071984	<b>Paddock Name:</b> MT04205	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> CT170		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	1			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	1			4/09/2020 to 4/09/2020
Available Potassium ^	470	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	54	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	8			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.14		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	31	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	12	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	1			4/09/2020 to 4/09/2020
Soil Colour	Red		04-042-PHYS	7/09/2020 to 7/09/2020
Soil Texture	Clay		04-042-PHYS	7/09/2020 to 7/09/2020
pH (1:5 CaCl2)	5.0		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.9	dS/m	04-054-WCALC	7/09/2020 to 7/09/2020
Active (labile) Carbon ^	379	mg/kg	04-065-ACTIVE_C	8/09/2020 to 9/09/2020
Nitrate Nitrogen	41	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	16	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Total Carbon (combustion)	1.5	%	04-086-TC	8/09/2020 to 8/09/2020
Sulphur (KCl40)	14	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	35	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	93		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	5.3	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	3.0	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.10	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	13	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.14	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	9.75	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	1.0	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635123

<b>Sample Number:</b> 022071984	<b>Paddock Name:</b> MT04205	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> CT170		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.5	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.8		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	5.7		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.14	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	13	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Copper (DTPA)	3.3	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.56	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	82	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	37	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl2)	0.93	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Phosphorus Environmental Risk Index ^	0.38		04-020-ICP17	7/09/2020 to 7/09/2020
Sand (Coarse) ^	17.5	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Sand (Fine) ^	32.6	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Silt ^	15.8	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Clay ^	34.1	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Texture (Calculated) ^			04-001-SANSILCLAY	3/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635124

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071980	<b>Paddock Name:</b> MT042515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> CT170		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	1			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
Available Potassium ^	320	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	58	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.10		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	31	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	9.0	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
Soil Colour	Red		04-042-PHYS	7/09/2020 to 7/09/2020
Soil Texture	Clay		04-042-PHYS	7/09/2020 to 7/09/2020
pH (1:5 CaCl2)	4.9		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	7/09/2020 to 7/09/2020
Active (labile) Carbon ^	220	mg/kg	04-065-ACTIVE_C	8/09/2020 to 9/09/2020
Nitrate Nitrogen	13	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.8	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Total Carbon (combustion)	1.1	%	04-086-TC	8/09/2020 to 8/09/2020
Sulphur (KCl40)	6.6	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	18	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	88		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	0.82	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	5.3	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	2.8	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.072	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	14	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.16	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	9.12	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	0.79	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635124

<b>Sample Number:</b> 022071980	<b>Paddock Name:</b> MT042515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> CT170		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.7	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.9		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	5.8		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Copper (DTPA)	3.3	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.19	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	34	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	24	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl2)	0.84	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Phosphorus Environmental Risk Index ^	0.20		04-020-ICP17	7/09/2020 to 7/09/2020
Sand (Coarse) ^	16.3	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Sand (Fine) ^	30.2	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Silt ^	16.2	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Clay ^	37.3	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Texture (Calculated) ^			04-001-SANSILCLAY	3/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635125

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071974	<b>Paddock Name:</b> MT0421530	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> CT172		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	1			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	1			4/09/2020 to 4/09/2020
Available Potassium ^	170	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	56	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	8			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.036		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	38	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	3.4	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	1			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	6.2		04-031-PH	4/09/2020 to 7/09/2020
Active (labile) Carbon ^	167	mg/kg	04-065-ACTIVE_C	8/09/2020 to 9/09/2020
Nitrate Nitrogen	9.7	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.2	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Total Carbon (combustion)	0.69	%	04-086-TC	8/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.43	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	7.1	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	4.8	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.092	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	13	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.15	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	12.6	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	0.73	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	1.2	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.5		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	7.1		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sand (Coarse) ^	15.9	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 635125

<b>Sample Number:</b> 022071974	<b>Paddock Name:</b> MT0421530	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> CT172		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Sand (Fine) ^	25.1	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Silt ^	11.3	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Clay ^	47.7	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Texture (Calculated) ^			04-001-SANSILCLAY	3/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635126

Sustainable Soils Management P/L  
 PO Box 130  
 WARREN  
 NSW 2824



Report Authorised  
 Paul Kennelly  
 Laboratory Manager  
 NATA Accredited Laboratory  
 Number: 11958

<b>Sample Number:</b> 022071973	<b>Paddock Name:</b> MT0423060	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
Available Potassium ^	130	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	48	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.020		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	49	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	1.9	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	6.8		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	12	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.2	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.33	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	8.3	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	8.4	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.13	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	15	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.16	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	17.4	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	0.77	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	0.94	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	0.99		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	7.6		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sand (Coarse) ^	16.0	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Sand (Fine) ^	18.4	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Silt ^	8.8	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635126

<b>Sample Number:</b> 022071973	<b>Paddock Name:</b> MT0423060	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	56.8	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Texture (Calculated) ^			04-001-SANSILCLAY	3/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635127

Sustainable Soils Management P/L  
 PO Box 130  
 WARREN  
 NSW 2824



Report Authorised  
 Paul Kennelly  
 Laboratory Manager  
 NATA Accredited Laboratory  
 Number: 11958

<b>Sample Number:</b> 022071972	<b>Paddock Name:</b> MT04260100	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	0			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
Available Potassium ^	92	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	42	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	6			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.0092		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	56	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	0.92	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	6.7		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	2.7	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.6	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.23	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	11	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	14	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.18	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	14	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.15	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	25.5	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	0.72	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	0.60	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	0.79		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	7.7		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sand (Coarse) ^	29.9	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Sand (Fine) ^	17.3	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Silt ^	9.8	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635127

<b>Sample Number:</b> 022071972	<b>Paddock Name:</b> MT04260100	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	43.0	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Texture (Calculated) ^			04-001-SANSILCLAY	3/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635128

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071971	<b>Paddock Name:</b> MT04305	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> CT170		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	560	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	58	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	8			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.15		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	27	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	13	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	1			4/09/2020 to 4/09/2020
Soil Colour	Red		04-042-PHYS	7/09/2020 to 7/09/2020
Soil Texture	Clay		04-042-PHYS	7/09/2020 to 7/09/2020
pH (1:5 CaCl2)	5.2		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	7/09/2020 to 7/09/2020
Active (labile) Carbon ^	406	mg/kg	04-065-ACTIVE_C	8/09/2020 to 9/09/2020
Nitrate Nitrogen	8.1	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.5	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Total Carbon (combustion)	1.8	%	04-086-TC	8/09/2020 to 8/09/2020
Sulphur (KCl40)	2.2	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	28	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	79		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	6.2	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	2.9	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.025	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	11	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.12	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	10.7	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	0.23	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635128

<b>Sample Number:</b> 022071971	<b>Paddock Name:</b> MT04305	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> CT170		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	2.1		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	6.3		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Copper (DTPA)	3.0	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.54	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	54	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	38	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl2)	0.87	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Phosphorus Environmental Risk Index ^	0.35		04-020-ICP17	7/09/2020 to 7/09/2020
Sand (Coarse) ^	13.6	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Sand (Fine) ^	37.3	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Silt ^	16.4	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Clay ^	32.7	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Texture (Calculated) ^			04-001-SANSILCLAY	3/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635129

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071970	<b>Paddock Name:</b> MT043515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> CT170		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	3			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	400	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	59	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.10		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	31	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	9.4	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
Soil Colour	Red		04-042-PHYS	7/09/2020 to 7/09/2020
Soil Texture	Clay		04-042-PHYS	7/09/2020 to 7/09/2020
pH (1:5 CaCl2)	5.5		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	7/09/2020 to 7/09/2020
Active (labile) Carbon ^	211	mg/kg	04-065-ACTIVE_C	8/09/2020 to 9/09/2020
Nitrate Nitrogen	3.3	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.3	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Total Carbon (combustion)	0.99	%	04-086-TC	8/09/2020 to 8/09/2020
Sulphur (KCl40)	4.0	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	6.9	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	100		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	1.0	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	6.3	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	3.3	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.028	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	13	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.14	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	10.8	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	0.26	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635129

<b>Sample Number:</b> 022071970	<b>Paddock Name:</b> MT043515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> CT170		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.3	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.9		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	6.4		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Copper (DTPA)	2.9	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.061	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	31	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	17	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl2)	0.93	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Phosphorus Environmental Risk Index ^	0.07		04-020-ICP17	7/09/2020 to 7/09/2020
Sand (Coarse) ^	11.4	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Sand (Fine) ^	31.1	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Silt ^	14.7	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Clay ^	42.8	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Texture (Calculated) ^			04-001-SANSILCLAY	3/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635130

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071969	<b>Paddock Name:</b> MT0431530	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> CT172		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
Available Potassium ^	310	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	56	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.064		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	37	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	5.9	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	6.1		04-031-PH	4/09/2020 to 7/09/2020
Active (labile) Carbon ^	133	mg/kg	04-065-ACTIVE_C	8/09/2020 to 9/09/2020
Nitrate Nitrogen	1.5	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.1	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Total Carbon (combustion)	0.62	%	04-086-TC	8/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.79	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	7.4	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	5.0	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.046	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	12	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.13	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	13.4	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	0.35	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	0.99	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.5		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	7.1		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sand (Coarse) ^	7.8	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 635130

<b>Sample Number:</b> 022071969	<b>Paddock Name:</b> MT0431530	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> CT172		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Sand (Fine) ^	-479.5	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Silt ^	517.4	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Clay ^	54.3	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Texture (Calculated) ^			04-001-SANSILCLAY	3/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635131

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071968	<b>Paddock Name:</b> MT0433060	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
Available Potassium ^	270	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	53	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.049		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	41	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	4.6	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl <sub>2</sub> )	6.6		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	1.6	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.6	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.69	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	7.9	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	6.2	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.096	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	13	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.14	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	15.1	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	0.63	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	0.95	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.3		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	7.6		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sand (Coarse) ^	7.7	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Sand (Fine) ^	23.6	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Silt ^	12.5	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635131

<b>Sample Number:</b> 022071968	<b>Paddock Name:</b> MT0433060	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	56.2	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Texture (Calculated) ^			04-001-SANSILCLAY	3/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635132

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071967	<b>Paddock Name:</b> MT04360100	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
Available Potassium ^	240	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	48	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.041		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	46	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	3.8	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	7.1		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	0.66	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.6	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.62	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	7.7	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	7.5	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.16	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	11	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.13	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	16.2	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	0.97	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	0.78	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.0		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	8.1		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sand (Coarse) ^	6.2	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Sand (Fine) ^	26.9	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Silt ^	12.4	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635132

<b>Sample Number:</b> 022071967	<b>Paddock Name:</b> MT04360100	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	54.5	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Texture (Calculated) ^			04-001-SANSILCLAY	3/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635133

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071965	<b>Paddock Name:</b> MT04405	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	620	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	45	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.11		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	43	%	04-026-ICP8	9/09/2020 to 9/09/2020
Organic Matter (W&B * 1.72) ^	3.0	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	9.8	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
Soil Colour	Brown		04-042-PHYS	7/09/2020 to 7/09/2020
Soil Texture	Clay		04-042-PHYS	7/09/2020 to 7/09/2020
pH (1:5 CaCl2)	5.8		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	7/09/2020 to 7/09/2020
Organic Carbon (W&B)	1.72	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	11	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	2.3	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sulphur (KCl40)	1.7	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	36	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	77		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	1.6	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	7.3	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	6.9	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.22	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	10	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.12	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	16.2	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	1.4	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635133

<b>Sample Number:</b> 022071965	<b>Paddock Name:</b> MT04405	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	0.72	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.1		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	6.8		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.07	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Copper (DTPA)	3.1	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.92	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	57	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	52	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl <sub>2</sub> )	1.1	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.47		04-020-ICP17	7/09/2020 to 7/09/2020
Sand (Coarse) ^	8.0	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Sand (Fine) ^	41.2	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Silt ^	13.6	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Clay ^	37.2	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Texture (Calculated) ^			04-001-SANSILCLAY	3/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635134

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071964	<b>Paddock Name:</b> MT044515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	3			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	4			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	360	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	48	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	8			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.040		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	45	%	04-026-ICP8	9/09/2020 to 9/09/2020
Organic Matter (W&B * 1.72) ^	1.2	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	3.8	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	1			4/09/2020 to 4/09/2020
Soil Colour	Red-brown		04-042-PHYS	7/09/2020 to 7/09/2020
Soil Texture	Clay		04-042-PHYS	7/09/2020 to 7/09/2020
pH (1:5 CaCl2)	6.8		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	7/09/2020 to 7/09/2020
Organic Carbon (W&B)	0.71	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	4.0	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.3	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sulphur (KCl40)	<1.0	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	<5.0	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	95		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	0.91	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	12	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	11	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.64	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	10	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.12	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	24.3	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	2.6	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635134

<b>Sample Number:</b> 022071964	<b>Paddock Name:</b> MT044515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	0.48	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.1		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	7.9		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Copper (DTPA)	1.9	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.13	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	18	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	14	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl2)	1.4	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl2) ^	<0.010	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.05		04-020-ICP17	7/09/2020 to 7/09/2020
Sand (Coarse) ^	5.4	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Sand (Fine) ^	36.1	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Silt ^	12.2	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Clay ^	46.3	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Texture (Calculated) ^			04-001-SANSILCLAY	3/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635135

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071963	<b>Paddock Name:</b> MT0441530	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
Available Potassium ^	190	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	62	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.013		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	34	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	1.3	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	8.1		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	4.9	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.9	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.48	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	23	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	13	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	37.5	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	3.2	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.8		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	8.9		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.21	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	14	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sand (Coarse) ^	6.4	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Sand (Fine) ^	28.8	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Silt ^	13.7	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 635135

<b>Sample Number:</b> 022071963	<b>Paddock Name:</b> MT0441530	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	51.1	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Texture (Calculated) ^			04-001-SANSILCLAY	3/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635136

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071962	<b>Paddock Name:</b> MT0443060	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	140	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	51	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.011		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	40	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	1.0	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl <sub>2</sub> )	8.5		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	2.8	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	2.7	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.37	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	19	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	15	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	3.0	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	36.8	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	8.1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.3		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	9.4		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.29	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sand (Coarse) ^	6.8	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Sand (Fine) ^	28.1	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Silt ^	14.7	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 635136

<b>Sample Number:</b> 022071962	<b>Paddock Name:</b> MT0443060	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	50.4	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Texture (Calculated) ^			04-001-SANSILCLAY	3/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635137

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071966	<b>Paddock Name:</b> MT04460100	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	2			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	3			4/09/2020 to 4/09/2020
Available Potassium ^	170	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	42	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.014		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	42	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	1.1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	8.8		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	2.0	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.7	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.44	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	16	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	16	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	5.8	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	9.3	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	38.5	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	15	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	0.27	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.0		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	9.7		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.52	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	130	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sand (Coarse) ^	6.5	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Sand (Fine) ^	28.9	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Silt ^	11.2	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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# SOIL ANALYSIS REPORT

**Report Number:** 635137

<b>Sample Number:</b> 022071966	<b>Paddock Name:</b> MT04460100	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	53.4	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Texture (Calculated) ^			04-001-SANSILCLAY	3/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635138

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071961	<b>Paddock Name:</b> MT04505	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	2			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	2			4/09/2020 to 4/09/2020
Available Potassium ^	710	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	56	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.15		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	29	%	04-026-ICP8	9/09/2020 to 9/09/2020
Organic Matter (W&B * 1.72) ^	2.6	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	13	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
Soil Colour	Brown		04-042-PHYS	7/09/2020 to 7/09/2020
Soil Texture	Clay		04-042-PHYS	7/09/2020 to 7/09/2020
pH (1:5 CaCl2)	6.3		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.9	dS/m	04-054-WCALC	7/09/2020 to 7/09/2020
Organic Carbon (W&B)	1.54	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	9.1	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.8	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sulphur (KCl40)	4.3	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	<5.0	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	64		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	1.8	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	7.9	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	4.1	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.35	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	14.2	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	2.4	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635138

<b>Sample Number:</b> 022071961	<b>Paddock Name:</b> MT04505	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.9		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	6.8		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.15	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Copper (DTPA)	2.5	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.67	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	73	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	56	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl <sub>2</sub> )	1.1	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.08		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635139

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071960	<b>Paddock Name:</b> MT045515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	3			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	3			4/09/2020 to 4/09/2020
Available Potassium ^	530	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	50	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.048		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	36	%	04-026-ICP8	9/09/2020 to 9/09/2020
Organic Matter (W&B * 1.72) ^	0.95	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	4.0	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
Soil Colour	Brown		04-042-PHYS	7/09/2020 to 7/09/2020
Soil Texture	Clay		04-042-PHYS	7/09/2020 to 7/09/2020
pH (1:5 CaCl2)	8.2		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	2.5	dS/m	04-054-WCALC	7/09/2020 to 7/09/2020
Organic Carbon (W&B)	0.55	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	26	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.5	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sulphur (KCl40)	9.6	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	6.0	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	100		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	17	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	12	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	3.2	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	9.3	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	33.7	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	9.4	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635139

<b>Sample Number:</b> 022071960	<b>Paddock Name:</b> MT045515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	0.31	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.4		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	9.0		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.41	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	140	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Copper (DTPA)	2.1	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.11	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	11	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	13	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl <sub>2</sub> )	3.4	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.06		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635140

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071959	<b>Paddock Name:</b> MT0451530	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	3			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	3			4/09/2020 to 4/09/2020
Available Potassium ^	300	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	43	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.025		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	37	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	2.0	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	8.6		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	38	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.4	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.76	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	16	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	14	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	6.5	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	9.5	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.11	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	37.3	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	17	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	0.28	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.1		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	9.4		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.74	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	460	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020

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**Report Number:** 635140

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635141

Sustainable Soils Management P/L  
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WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071958	<b>Paddock Name:</b> MT0453060	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	1			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	0			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	1			4/09/2020 to 4/09/2020
Available Potassium ^	260	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	35	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	3			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.022		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	36	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	1.6	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl <sub>2</sub> )	8.7		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	14	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	2.2	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.67	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	15	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	15	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	11	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	9.4	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	42.0	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	27	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	0.25	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.0		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	9.3		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	1.48	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	920	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020

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8 South Rd, Werribee Vic 3030  
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635141

Sample condition on receipt:     Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635142

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071957	<b>Paddock Name:</b> MT04560100	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	0			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
Available Potassium ^	280	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	33	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	6			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.029		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	35	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	1.9	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	8.7		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	6.0	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.4	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.72	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	12	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	13	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	11	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	11	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.12	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	37.0	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	30	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	0.33	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	0.92		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	9.1		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	1.80	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	1100	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020

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**Report Number:** 635142

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635143

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071955	<b>Paddock Name:</b> MT04605	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	2			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	2			4/09/2020 to 4/09/2020
Available Potassium ^	480	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	55	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.27		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	21	%	04-026-ICP8	9/09/2020 to 9/09/2020
Organic Matter (W&B * 1.72) ^	2.6	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	20	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
Soil Colour	Red-brown		04-042-PHYS	7/09/2020 to 7/09/2020
Soil Texture	Clay		04-042-PHYS	7/09/2020 to 7/09/2020
pH (1:5 CaCl2)	4.9		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	7/09/2020 to 7/09/2020
Organic Carbon (W&B)	1.49	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	12	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	3.6	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sulphur (KCl40)	4.3	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	15	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	35		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	3.3	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.12	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	10	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.11	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	5.99	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	2.0	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635143

<b>Sample Number:</b> 022071955	<b>Paddock Name:</b> MT04605	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.9	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	2.8		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	6.0		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Copper (DTPA)	1.1	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.96	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	47	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	87	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl <sub>2</sub> )	0.69	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.43		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635144

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071954	<b>Paddock Name:</b> MT046515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	450	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	54	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.30		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	17	%	04-026-ICP8	9/09/2020 to 9/09/2020
Organic Matter (W&B * 1.72) ^	1.7	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	22	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
Soil Colour	Red-brown		04-042-PHYS	8/09/2020 to 8/09/2020
Soil Texture	Clay Loam		04-042-PHYS	8/09/2020 to 8/09/2020
pH (1:5 CaCl2)	4.7		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	8/09/2020 to 8/09/2020
Organic Carbon (W&B)	0.96	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	4.9	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	2.3	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sulphur (KCl40)	<1.0	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	14	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	63		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	2.8	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	0.88	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.059	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	21	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.24	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	5.08	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	1.2	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635144

<b>Sample Number:</b> 022071954	<b>Paddock Name:</b> MT046515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	4.7	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	3.2		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	6.1		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Copper (DTPA)	1.1	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.22	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	45	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	61	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl <sub>2</sub> )	0.55	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.22		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635145

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071953	<b>Paddock Name:</b> MT0461530	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	3			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	250	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	59	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.18		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	21	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	14	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl <sub>2</sub> )	4.8		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	1.9	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.5	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.65	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	2.7	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	0.96	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.075	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	19	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.21	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	4.62	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	1.6	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	4.6	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	2.8		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	6.1		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020

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**Report Number:** 635145

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635146

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071952	<b>Paddock Name:</b> MT0463060	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	3			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	3			4/09/2020 to 4/09/2020
Available Potassium ^	200	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	34	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.057		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	47	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	4.7	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	6.8		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	0.98	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.2	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.50	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	3.6	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	5.1	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	1.5	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	15	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.17	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	10.8	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	14	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	1.6	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	0.71		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	8.5		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635147

Sustainable Soils Management P/L  
 PO Box 130  
 WARREN  
 NSW 2824



Report Authorised  
 Paul Kennelly  
 Laboratory Manager  
 NATA Accredited Laboratory  
 Number: 11958

<b>Sample Number:</b> 022071951	<b>Paddock Name:</b> MT04660100	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	230	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	25	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.071		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	47	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	5.1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	7.5		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	1.9	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.3	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.58	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	2.8	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	5.4	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	2.5	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	11	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.12	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	11.4	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	22	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	1.0	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	0.52		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	9.2		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.07	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	15	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635148

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072196	<b>Paddock Name:</b> MT04705	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	3			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	3			4/09/2020 to 4/09/2020
Available Potassium ^	590	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	47	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.34		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	21	%	04-026-ICP8	9/09/2020 to 9/09/2020
Organic Matter (W&B * 1.72) ^	2.4	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	24	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
Soil Colour	Red-brown		04-042-PHYS	8/09/2020 to 8/09/2020
Soil Texture	Clay Loam		04-042-PHYS	8/09/2020 to 8/09/2020
pH (1:5 CaCl2)	4.6		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.6	dS/m	04-054-WCALC	8/09/2020 to 8/09/2020
Organic Carbon (W&B)	1.42	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	19	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	11	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sulphur (KCl40)	2.8	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	47	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	61		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	1.5	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	3.0	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.13	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	29	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.32	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	6.35	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	2.1	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635148

<b>Sample Number:</b> 022072196	<b>Paddock Name:</b> MT04705	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	5.1	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	2.1		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	5.6		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.07	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	15	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Copper (DTPA)	1.6	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.78	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	56	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	110	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl <sub>2</sub> )	0.88	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.77		04-020-ICP17	7/09/2020 to 7/09/2020
Sand (Coarse) ^	21.8	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Sand (Fine) ^	47.8	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Silt ^	13.9	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Clay ^	16.5	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Texture (Calculated) ^			04-001-SANSILCLAY	3/09/2020 to 7/09/2020

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Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072195	<b>Paddock Name:</b> MT047515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	3			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	390	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	55	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.19		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	23	%	04-026-ICP8	9/09/2020 to 9/09/2020
Organic Matter (W&B * 1.72) ^	1.6	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	15	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
Soil Colour	Red-brown		04-042-PHYS	8/09/2020 to 8/09/2020
Soil Texture	Clay		04-042-PHYS	8/09/2020 to 8/09/2020
pH (1:5 CaCl2)	4.7		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	8/09/2020 to 8/09/2020
Organic Carbon (W&B)	0.93	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	5.9	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.9	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sulphur (KCl40)	2.9	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	17	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	75		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	1.0	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	3.7	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	1.5	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	0.23	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	22	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.24	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	6.70	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	3.5	%	04-026-ICP8	9/09/2020 to 9/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635149

<b>Sample Number:</b> 022072195	<b>Paddock Name:</b> MT047515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-082		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	3.6	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	2.5		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	6.1		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Copper (DTPA)	1.9	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.12	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	33	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	49	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl2)	0.72	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl2) ^	<0.010	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.23		04-020-ICP17	7/09/2020 to 7/09/2020
Sand (Coarse) ^	17.1	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Sand (Fine) ^	46.0	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Silt ^	16.0	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Clay ^	20.9	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Texture (Calculated) ^			04-001-SANSILCLAY	3/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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# SOIL ANALYSIS REPORT

Report Number: 635150

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072194	<b>Paddock Name:</b> MT0471530	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	4			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	270	mg/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium % of Cations	44	%	04-026-ICP8	9/09/2020 to 9/09/2020
Emerson Class ^	8			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.064		04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium % of Cations	39	%	04-026-ICP8	9/09/2020 to 9/09/2020
Potassium % of Cations	5.3	%	04-026-ICP8	9/09/2020 to 9/09/2020
Slaking ^	1			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	6.2		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	5.2	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.3	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.68	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Calcium (Amm-acet.)	5.6	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Magnesium (Amm-acet.)	5.1	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Sodium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	4/09/2020 to 9/09/2020
Aluminium (KCl)	13	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.15	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	12.8	cmol(+)/kg	04-026-ICP8	9/09/2020 to 9/09/2020
Sodium % of cations	10	%	04-026-ICP8	9/09/2020 to 9/09/2020
Aluminium % of Cations	1.2	%	04-026-ICP8	9/09/2020 to 9/09/2020
Calcium/Magnesium Ratio	1.1		04-026-ICP8	4/09/2020 to 9/09/2020
pH (1:5 Water)	7.7		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.07	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sand (Coarse) ^	17.3	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Sand (Fine) ^	43.4	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Silt ^	9.8	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635150

<b>Sample Number:</b> 022072194	<b>Paddock Name:</b> MT0471530	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	29.5	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Texture (Calculated) ^			04-001-SANSILCLAY	3/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635151

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072193	<b>Paddock Name:</b> MT0473060	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	340	mg/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium % of Cations	29	%	04-026-ICP8	8/09/2020 to 8/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.061		04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium % of Cations	47	%	04-026-ICP8	8/09/2020 to 8/09/2020
Potassium % of Cations	4.6	%	04-026-ICP8	8/09/2020 to 8/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	7.5		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	4.2	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.4	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.88	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium (Amm-acet.)	5.5	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium (Amm-acet.)	9.0	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Sodium (Amm-acet.)	3.4	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Aluminium (KCl)	16	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.17	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	19.0	cmol(+)/kg	04-026-ICP8	8/09/2020 to 8/09/2020
Sodium % of cations	18	%	04-026-ICP8	8/09/2020 to 8/09/2020
Aluminium % of Cations	0.91	%	04-026-ICP8	8/09/2020 to 8/09/2020
Calcium/Magnesium Ratio	0.61		04-026-ICP8	7/09/2020 to 8/09/2020
pH (1:5 Water)	8.8		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.12	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sand (Coarse) ^	11.0	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Sand (Fine) ^	32.3	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Silt ^	8.8	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635151

<b>Sample Number:</b> 022072193	<b>Paddock Name:</b> MT0473060	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	47.9	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Texture (Calculated) ^			04-001-SANSILCLAY	3/09/2020 to 7/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635152

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072192	<b>Paddock Name:</b> MT04760100	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	410	mg/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium % of Cations	27	%	04-026-ICP8	8/09/2020 to 8/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.064		04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium % of Cations	48	%	04-026-ICP8	8/09/2020 to 8/09/2020
Potassium % of Cations	4.6	%	04-026-ICP8	8/09/2020 to 8/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	8.0		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	3.3	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.3	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium (Amm-acet.)	6.1	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium (Amm-acet.)	11	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Sodium (Amm-acet.)	4.7	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Aluminium (KCl)	12	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.13	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	22.8	cmol(+)/kg	04-026-ICP8	8/09/2020 to 8/09/2020
Sodium % of cations	21	%	04-026-ICP8	8/09/2020 to 8/09/2020
Aluminium % of Cations	0.59	%	04-026-ICP8	8/09/2020 to 8/09/2020
Calcium/Magnesium Ratio	0.55		04-026-ICP8	7/09/2020 to 8/09/2020
pH (1:5 Water)	9.2		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.19	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sand (Coarse) ^	7.9	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Sand (Fine) ^	32.9	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Silt ^	15.1	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635152

<b>Sample Number:</b> 022072192	<b>Paddock Name:</b> MT04760100	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-064		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Clay ^	44.1	%	04-001-SANSILCLAY	3/09/2020 to 7/09/2020
Texture (Calculated) ^			04-001-SANSILCLAY	3/09/2020 to 7/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635153

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072191	<b>Paddock Name:</b> MT04805	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	580	mg/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium % of Cations	47	%	04-026-ICP8	8/09/2020 to 8/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.17		04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium % of Cations	37	%	04-026-ICP8	8/09/2020 to 8/09/2020
Organic Matter (W&B * 1.72) ^	2.1	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	14	%	04-026-ICP8	8/09/2020 to 8/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
Soil Colour	Brown		04-042-PHYS	8/09/2020 to 8/09/2020
Soil Texture	Clay		04-042-PHYS	8/09/2020 to 8/09/2020
pH (1:5 CaCl2)	5.6		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	8/09/2020 to 8/09/2020
Organic Carbon (W&B)	1.20	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	6.1	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.8	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sulphur (KCl40)	2.9	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	40	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	46		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	1.5	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium (Amm-acet.)	5.0	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium (Amm-acet.)	4.0	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Sodium (Amm-acet.)	0.12	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Aluminium (KCl)	12	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.14	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	10.7	cmol(+)/kg	04-026-ICP8	8/09/2020 to 8/09/2020
Sodium % of cations	1.1	%	04-026-ICP8	8/09/2020 to 8/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635153

<b>Sample Number:</b> 022072191	<b>Paddock Name:</b> MT04805	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.3	%	04-026-ICP8	8/09/2020 to 8/09/2020
Calcium/Magnesium Ratio	1.3		04-026-ICP8	7/09/2020 to 8/09/2020
pH (1:5 Water)	6.5		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	11	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Copper (DTPA)	1.8	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.44	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	25	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	44	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl <sub>2</sub> )	1.0	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.87		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635154

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072190	<b>Paddock Name:</b> MT048515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	1			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	2			4/09/2020 to 4/09/2020
Available Potassium ^	500	mg/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium % of Cations	52	%	04-026-ICP8	8/09/2020 to 8/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.088		04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium % of Cations	38	%	04-026-ICP8	8/09/2020 to 8/09/2020
Organic Matter (W&B * 1.72) ^	1.6	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	7.8	%	04-026-ICP8	8/09/2020 to 8/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
Soil Colour	Brown		04-042-PHYS	8/09/2020 to 8/09/2020
Soil Texture	Clay		04-042-PHYS	8/09/2020 to 8/09/2020
pH (1:5 CaCl2)	6.9		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.5	dS/m	04-054-WCALC	8/09/2020 to 8/09/2020
Organic Carbon (W&B)	0.91	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	4.8	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	2.0	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Sulphur (KCl40)	2.6	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	14	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	68		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium (Amm-acet.)	8.5	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium (Amm-acet.)	6.2	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Sodium (Amm-acet.)	0.28	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Aluminium (KCl)	11	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.13	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	16.4	cmol(+)/kg	04-026-ICP8	8/09/2020 to 8/09/2020
Sodium % of cations	1.7	%	04-026-ICP8	8/09/2020 to 8/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635154

<b>Sample Number:</b> 022072190	<b>Paddock Name:</b> MT048515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	0.77	%	04-026-ICP8	8/09/2020 to 8/09/2020
Calcium/Magnesium Ratio	1.4		04-026-ICP8	7/09/2020 to 8/09/2020
pH (1:5 Water)	7.8		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.08	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Copper (DTPA)	1.7	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.13	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	12	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	23	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl <sub>2</sub> )	1.4	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.21		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635155

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072189	<b>Paddock Name:</b> MT0481530	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
Available Potassium ^	270	mg/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium % of Cations	59	%	04-026-ICP8	8/09/2020 to 8/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.024		04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium % of Cations	35	%	04-026-ICP8	8/09/2020 to 8/09/2020
Potassium % of Cations	2.3	%	04-026-ICP8	8/09/2020 to 8/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl <sub>2</sub> )	8.2		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	4.9	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	2.3	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.70	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium (Amm-acet.)	18	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium (Amm-acet.)	11	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Sodium (Amm-acet.)	1.0	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Aluminium (KCl)	9.6	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.11	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	31.0	cmol(+)/kg	04-026-ICP8	8/09/2020 to 8/09/2020
Sodium % of cations	3.2	%	04-026-ICP8	8/09/2020 to 8/09/2020
Aluminium % of Cations	0.35	%	04-026-ICP8	8/09/2020 to 8/09/2020
Calcium/Magnesium Ratio	1.6		04-026-ICP8	7/09/2020 to 8/09/2020
pH (1:5 Water)	9.0		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.19	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	<10	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635156

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072188	<b>Paddock Name:</b> MT0483060	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	190	mg/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium % of Cations	44	%	04-026-ICP8	8/09/2020 to 8/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.016		04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium % of Cations	43	%	04-026-ICP8	8/09/2020 to 8/09/2020
Potassium % of Cations	1.4	%	04-026-ICP8	8/09/2020 to 8/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	8.6		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	2.6	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	2.2	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.50	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium (Amm-acet.)	16	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium (Amm-acet.)	15	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Sodium (Amm-acet.)	3.9	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Aluminium (KCl)	10	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.12	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	35.8	cmol(+)/kg	04-026-ICP8	8/09/2020 to 8/09/2020
Sodium % of cations	11	%	04-026-ICP8	8/09/2020 to 8/09/2020
Aluminium % of Cations	0.33	%	04-026-ICP8	8/09/2020 to 8/09/2020
Calcium/Magnesium Ratio	1.1		04-026-ICP8	7/09/2020 to 8/09/2020
pH (1:5 Water)	9.5		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.36	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	62	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635157

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072187	<b>Paddock Name:</b> MT04860100	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	3			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	3			4/09/2020 to 4/09/2020
Available Potassium ^	200	mg/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium % of Cations	39	%	04-026-ICP8	8/09/2020 to 8/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.017		04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium % of Cations	41	%	04-026-ICP8	8/09/2020 to 8/09/2020
Potassium % of Cations	1.3	%	04-026-ICP8	8/09/2020 to 8/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl <sub>2</sub> )	8.7		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	3.1	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	1.8	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.52	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium (Amm-acet.)	15	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium (Amm-acet.)	16	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Sodium (Amm-acet.)	7.2	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Aluminium (KCl)	9.3	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	38.6	cmol(+)/kg	04-026-ICP8	8/09/2020 to 8/09/2020
Sodium % of cations	19	%	04-026-ICP8	8/09/2020 to 8/09/2020
Aluminium % of Cations	0.27	%	04-026-ICP8	8/09/2020 to 8/09/2020
Calcium/Magnesium Ratio	0.94		04-026-ICP8	7/09/2020 to 8/09/2020
pH (1:5 Water)	9.5		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.66	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	300	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020

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**Report Number:** 635157

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635158

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072185	<b>Paddock Name:</b> MT04905	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	3			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	310	mg/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium % of Cations	40	%	04-026-ICP8	8/09/2020 to 8/09/2020
Emerson Class ^	8			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.084		04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium % of Cations	46	%	04-026-ICP8	8/09/2020 to 8/09/2020
Potassium % of Cations	7.2	%	04-026-ICP8	8/09/2020 to 8/09/2020
Slaking ^	1			4/09/2020 to 4/09/2020
Soil Colour	Brown		04-042-PHYS	8/09/2020 to 8/09/2020
Soil Texture	Clay		04-042-PHYS	8/09/2020 to 8/09/2020
pH (1:5 CaCl2)	6.1		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.6	dS/m	04-054-WCALC	8/09/2020 to 8/09/2020
Active (labile) Carbon ^	370	mg/kg	04-065-ACTIVE_C	8/09/2020 to 9/09/2020
Nitrate Nitrogen	4.0	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Ammonium Nitrogen	2.7	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Total Carbon (combustion)	1.2	%	04-086-TC	8/09/2020 to 8/09/2020
Sulphur (KCl40)	8.4	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	6.4	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	63		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	0.80	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium (Amm-acet.)	4.4	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium (Amm-acet.)	5.1	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Sodium (Amm-acet.)	0.78	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	11.1	cmol(+)/kg	04-026-ICP8	8/09/2020 to 8/09/2020
Sodium % of cations	7.0	%	04-026-ICP8	8/09/2020 to 8/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635158

<b>Sample Number:</b> 022072185	<b>Paddock Name:</b> MT04905	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	8/09/2020 to 8/09/2020
Calcium/Magnesium Ratio	0.86		04-026-ICP8	7/09/2020 to 8/09/2020
pH (1:5 Water)	7.1		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.10	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	26	mg/kg	04-063-FIA3	7/09/2020 to 8/09/2020
Copper (DTPA)	1.5	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.18	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	35	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	48	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl <sub>2</sub> )	0.97	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Phosphorus Environmental Risk Index ^	0.10		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635159

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072184	<b>Paddock Name:</b> MT049515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	4			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	330	mg/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium % of Cations	35	%	04-026-ICP8	8/09/2020 to 8/09/2020
Emerson Class ^	8			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.045		04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium % of Cations	48	%	04-026-ICP8	8/09/2020 to 8/09/2020
Potassium % of Cations	3.7	%	04-026-ICP8	8/09/2020 to 8/09/2020
Slaking ^	1			4/09/2020 to 4/09/2020
Soil Colour	Brown		04-042-PHYS	8/09/2020 to 8/09/2020
Soil Texture	Clay		04-042-PHYS	8/09/2020 to 8/09/2020
pH (1:5 CaCl2)	7.2		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	1.0	dS/m	04-054-WCALC	8/09/2020 to 8/09/2020
Active (labile) Carbon ^	216	mg/kg	04-065-ACTIVE_C	8/09/2020 to 9/09/2020
Nitrate Nitrogen	2.3	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Ammonium Nitrogen	2.1	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Total Carbon (combustion)	0.94	%	04-086-TC	8/09/2020 to 8/09/2020
Sulphur (KCl40)	3.7	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	<5.0	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	86		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	0.85	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium (Amm-acet.)	8.1	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium (Amm-acet.)	11	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Sodium (Amm-acet.)	3.0	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Aluminium (KCl)	10	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.11	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	23.3	cmol(+)/kg	04-026-ICP8	8/09/2020 to 8/09/2020
Sodium % of cations	13	%	04-026-ICP8	8/09/2020 to 8/09/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 635159

<b>Sample Number:</b> 022072184	<b>Paddock Name:</b> MT049515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	0.48	%	04-026-ICP8	8/09/2020 to 8/09/2020
Calcium/Magnesium Ratio	0.74		04-026-ICP8	7/09/2020 to 8/09/2020
pH (1:5 Water)	8.5		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.16	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	68	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Copper (DTPA)	1.5	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	0.070	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	17	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	25	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl <sub>2</sub> )	2.2	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Phosphorus Environmental Risk Index ^	0.06		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635160

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072183	<b>Paddock Name:</b> MT0491530	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> CT173		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	2			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	4			4/09/2020 to 4/09/2020
Available Potassium ^	230	mg/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium % of Cations	40	%	04-026-ICP8	8/09/2020 to 8/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.021		04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium % of Cations	40	%	04-026-ICP8	8/09/2020 to 8/09/2020
Potassium % of Cations	1.7	%	04-026-ICP8	8/09/2020 to 8/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	8.5		04-031-PH	4/09/2020 to 7/09/2020
Active (labile) Carbon ^	91.4	mg/kg	04-065-ACTIVE_C	8/09/2020 to 9/09/2020
Nitrate Nitrogen	1.9	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Ammonium Nitrogen	1.1	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Total Carbon (combustion)	0.77	%	04-086-TC	8/09/2020 to 8/09/2020
Potassium (Amm-acet.)	0.60	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium (Amm-acet.)	14	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium (Amm-acet.)	14	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Sodium (Amm-acet.)	6.4	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Aluminium (KCl)	11	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.12	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	35.0	cmol(+)/kg	04-026-ICP8	8/09/2020 to 8/09/2020
Sodium % of cations	18	%	04-026-ICP8	8/09/2020 to 8/09/2020
Aluminium % of Cations	0.35	%	04-026-ICP8	8/09/2020 to 8/09/2020
Calcium/Magnesium Ratio	1.0		04-026-ICP8	7/09/2020 to 8/09/2020
pH (1:5 Water)	9.2		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.68	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	410	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020

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**Report Number:** 635160

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635161

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072182	<b>Paddock Name:</b> MT0493060	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	1			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	1			4/09/2020 to 4/09/2020
Available Potassium ^	210	mg/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium % of Cations	24	%	04-026-ICP8	8/09/2020 to 8/09/2020
Emerson Class ^	2			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.025		04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium % of Cations	43	%	04-026-ICP8	8/09/2020 to 8/09/2020
Potassium % of Cations	1.7	%	04-026-ICP8	8/09/2020 to 8/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl <sub>2</sub> )	8.4		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	3.1	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Ammonium Nitrogen	1.5	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Potassium (Amm-acet.)	0.54	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium (Amm-acet.)	8.0	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium (Amm-acet.)	14	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Sodium (Amm-acet.)	9.9	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Aluminium (KCl)	12	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.14	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	32.7	cmol(+)/kg	04-026-ICP8	8/09/2020 to 8/09/2020
Sodium % of cations	30	%	04-026-ICP8	8/09/2020 to 8/09/2020
Aluminium % of Cations	0.42	%	04-026-ICP8	8/09/2020 to 8/09/2020
Calcium/Magnesium Ratio	0.57		04-026-ICP8	7/09/2020 to 8/09/2020
pH (1:5 Water)	8.9		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	1.53	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	900	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020

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**Report Number:** 635161

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635162

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072186	<b>Paddock Name:</b> MT04960100	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	1			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	1			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	1			4/09/2020 to 4/09/2020
Available Potassium ^	220	mg/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium % of Cations	13	%	04-026-ICP8	8/09/2020 to 8/09/2020
Emerson Class ^	3			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.031		04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium % of Cations	45	%	04-026-ICP8	8/09/2020 to 8/09/2020
Potassium % of Cations	1.7	%	04-026-ICP8	8/09/2020 to 8/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	7.7		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	5.5	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Ammonium Nitrogen	1.7	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Potassium (Amm-acet.)	0.56	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium (Amm-acet.)	4.3	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium (Amm-acet.)	14	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Sodium (Amm-acet.)	13	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Aluminium (KCl)	12	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.14	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	32.4	cmol(+)/kg	04-026-ICP8	8/09/2020 to 8/09/2020
Sodium % of cations	40	%	04-026-ICP8	8/09/2020 to 8/09/2020
Aluminium % of Cations	0.42	%	04-026-ICP8	8/09/2020 to 8/09/2020
Calcium/Magnesium Ratio	0.31		04-026-ICP8	7/09/2020 to 8/09/2020
pH (1:5 Water)	8.1		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	2.01	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	1200	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635162

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635163

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072181	<b>Paddock Name:</b> MT05005	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	0			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
Available Potassium ^	110	mg/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium % of Cations	87	%	04-026-ICP8	8/09/2020 to 8/09/2020
Emerson Class ^	6			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.014		04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium % of Cations	9.9	%	04-026-ICP8	8/09/2020 to 8/09/2020
Organic Matter (W&B * 1.72) ^	1.9	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	1.4	%	04-026-ICP8	8/09/2020 to 8/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
Soil Colour	Yellow-brown		04-042-PHYS	8/09/2020 to 8/09/2020
Soil Texture	Clay		04-042-PHYS	8/09/2020 to 8/09/2020
pH (1:5 CaCl2)	8.1		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	0.9	dS/m	04-054-WCALC	8/09/2020 to 8/09/2020
Organic Carbon (W&B)	1.12	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	3.6	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Ammonium Nitrogen	1.8	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Sulphur (KCl40)	13	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	9.4	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	59		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	0.28	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium (Amm-acet.)	18	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium (Amm-acet.)	2.0	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Sodium (Amm-acet.)	0.14	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Aluminium (KCl)	11	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.12	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	20.3	cmol(+)/kg	04-026-ICP8	8/09/2020 to 8/09/2020
Sodium % of cations	0.70	%	04-026-ICP8	8/09/2020 to 8/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635163

<b>Sample Number:</b> 022072181	<b>Paddock Name:</b> MT05005	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	0.61	%	04-026-ICP8	8/09/2020 to 8/09/2020
Calcium/Magnesium Ratio	9.0		04-026-ICP8	7/09/2020 to 8/09/2020
pH (1:5 Water)	8.8		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.14	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	13	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Copper (DTPA)	4.1	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	5.7	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	4.4	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	54	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl <sub>2</sub> )	0.52	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	0.031	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.16		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635164

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072180	<b>Paddock Name:</b> MT050515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	0			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
Available Potassium ^	110	mg/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium % of Cations	82	%	04-026-ICP8	8/09/2020 to 8/09/2020
Emerson Class ^	6			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.014		04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium % of Cations	14	%	04-026-ICP8	8/09/2020 to 8/09/2020
Organic Matter (W&B * 1.72) ^	0.76	%	04-054-WCALC	9/09/2020 to 9/09/2020
Potassium % of Cations	1.3	%	04-026-ICP8	8/09/2020 to 8/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
Soil Colour	Yellow-brown		04-042-PHYS	8/09/2020 to 8/09/2020
Soil Texture	Clay		04-042-PHYS	8/09/2020 to 8/09/2020
pH (1:5 CaCl2)	8.3		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (Sat. Ext.) ^	1.5	dS/m	04-054-WCALC	8/09/2020 to 8/09/2020
Organic Carbon (W&B)	0.44	%	04-018-UV1	7/09/2020 to 9/09/2020
Nitrate Nitrogen	1.2	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Ammonium Nitrogen	1.6	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Sulphur (KCl40)	67	mg/kg	04-021-ICP2	7/09/2020 to 8/09/2020
Phosphorus (Colwell)	<5.0	mg/kg	04-013-COL_P	3/09/2020 to 7/09/2020
Phosphorus Buffer Index (PBI-Col)	110		04-020-ICP17	7/09/2020 to 7/09/2020
Potassium (Amm-acet.)	0.29	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium (Amm-acet.)	18	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium (Amm-acet.)	3.1	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Sodium (Amm-acet.)	0.29	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Aluminium (KCl)	11	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.12	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	21.6	cmol(+)/kg	04-026-ICP8	8/09/2020 to 8/09/2020
Sodium % of cations	1.4	%	04-026-ICP8	8/09/2020 to 8/09/2020

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# SOIL ANALYSIS REPORT

Report Number: 635164

<b>Sample Number:</b> 022072180	<b>Paddock Name:</b> MT050515	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	0.57	%	04-026-ICP8	8/09/2020 to 8/09/2020
Calcium/Magnesium Ratio	5.8		04-026-ICP8	7/09/2020 to 8/09/2020
pH (1:5 Water)	8.9		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	0.24	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	34	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Copper (DTPA)	4.0	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Zinc (DTPA)	4.5	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Manganese (DTPA)	3.4	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Iron (DTPA)	42	mg/kg	04-024-ICP6	7/09/2020 to 8/09/2020
Boron (Hot CaCl <sub>2</sub> )	0.37	mg/kg	04-025-ICP7	7/09/2020 to 8/09/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	0.029	mg/kg	04-083-ICP27	8/09/2020 to 9/09/2020
Phosphorus Environmental Risk Index ^	0.05		04-020-ICP17	7/09/2020 to 7/09/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635165

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072179	<b>Paddock Name:</b> MT0501530	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	0			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
Available Potassium ^	140	mg/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium % of Cations	74	%	04-026-ICP8	8/09/2020 to 8/09/2020
Emerson Class ^	6			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.013		04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium % of Cations	16	%	04-026-ICP8	8/09/2020 to 8/09/2020
Potassium % of Cations	1.2	%	04-026-ICP8	8/09/2020 to 8/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl <sub>2</sub> )	8.4		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	2.4	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Potassium (Amm-acet.)	0.36	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium (Amm-acet.)	22	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium (Amm-acet.)	5.0	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Sodium (Amm-acet.)	2.5	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	30.2	cmol(+)/kg	04-026-ICP8	8/09/2020 to 8/09/2020
Sodium % of cations	8.2	%	04-026-ICP8	8/09/2020 to 8/09/2020
Aluminium % of Cations	<1	%	04-026-ICP8	8/09/2020 to 8/09/2020
Calcium/Magnesium Ratio	4.4		04-026-ICP8	7/09/2020 to 8/09/2020
pH (1:5 Water)	8.6		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	1.93	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	440	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020

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**Report Number:** 635165

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635166

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b>	022072178	<b>Paddock Name:</b>	MT0503060	<b>Date Received:</b>	2-Sep-2020
<b>Test Code:</b>	2017-065			<b>Date of Report:</b>	27-Oct-2020
<b>Purchase Order No:</b>	TPG				
<b>Grower Name:</b>	SUSTAINABLE SOIL MANAG				

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	0			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
Available Potassium ^	110	mg/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium % of Cations	62	%	04-026-ICP8	8/09/2020 to 8/09/2020
Emerson Class ^	6			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.0087		04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium % of Cations	21	%	04-026-ICP8	8/09/2020 to 8/09/2020
Potassium % of Cations	0.74	%	04-026-ICP8	8/09/2020 to 8/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl <sub>2</sub> )	8.6		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	6.7	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Potassium (Amm-acet.)	0.28	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium (Amm-acet.)	24	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium (Amm-acet.)	8.1	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Sodium (Amm-acet.)	5.8	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Aluminium (KCl)	13	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	0.15	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	38.3	cmol(+)/kg	04-026-ICP8	8/09/2020 to 8/09/2020
Sodium % of cations	15	%	04-026-ICP8	8/09/2020 to 8/09/2020
Aluminium % of Cations	0.38	%	04-026-ICP8	8/09/2020 to 8/09/2020
Calcium/Magnesium Ratio	3.0		04-026-ICP8	7/09/2020 to 8/09/2020
pH (1:5 Water)	8.7		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	2.89	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	1200	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635166

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635167

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071956	<b>Paddock Name:</b> MT05060100	<b>Date Received:</b> 2-Sep-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			4/09/2020 to 4/09/2020
2 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
20 hour natural aggregate ^	0			4/09/2020 to 4/09/2020
20 hour remoulded aggregate ^	0			4/09/2020 to 4/09/2020
Available Potassium ^	73	mg/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium % of Cations	72	%	04-026-ICP8	8/09/2020 to 8/09/2020
Emerson Class ^	6			4/09/2020 to 4/09/2020
Grass Tetany Risk Index ^	0.0043		04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium % of Cations	18	%	04-026-ICP8	8/09/2020 to 8/09/2020
Potassium % of Cations	0.38	%	04-026-ICP8	8/09/2020 to 8/09/2020
Slaking ^	0			4/09/2020 to 4/09/2020
pH (1:5 CaCl2)	8.5		04-031-PH	4/09/2020 to 7/09/2020
Nitrate Nitrogen	27	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020
Potassium (Amm-acet.)	0.19	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Calcium (Amm-acet.)	35	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Magnesium (Amm-acet.)	9.0	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Sodium (Amm-acet.)	4.7	cmol(+)/kg	04-026-ICP8	7/09/2020 to 8/09/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	7/09/2020 to 8/09/2020
Cation Exchange Capacity (Amm-acet.)	49.1	cmol(+)/kg	04-026-ICP8	8/09/2020 to 8/09/2020
Sodium % of cations	9.6	%	04-026-ICP8	8/09/2020 to 8/09/2020
Aluminium % of Cations	<1	%	04-026-ICP8	8/09/2020 to 8/09/2020
Calcium/Magnesium Ratio	3.9		04-026-ICP8	7/09/2020 to 8/09/2020
pH (1:5 Water)	8.6		04-031-PH	4/09/2020 to 7/09/2020
Electrical Conductivity (1:5 water)	3.36	dS/m	04-031-PH	4/09/2020 to 7/09/2020
Chloride	1300	mg/kg	04-063-FIA3	7/09/2020 to 9/09/2020

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**Report Number:** 635167

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635039

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071696	<b>Paddock Name:</b> MT10605	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	2			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
Available Potassium ^	300	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	43	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.10		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	45	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	8.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	4.9		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.3	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Active (labile) Carbon ^	252	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	11	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.8	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	1.5	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	3.7	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	33	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	130		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.77	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	3.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.23	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	8.67	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.7	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635039

<b>Sample Number:</b> 022071696	<b>Paddock Name:</b> MT10605	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.97		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.9		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	2.4	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.36	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	50	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	170	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.99	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.25		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635040

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071695	<b>Paddock Name:</b> MT106515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	200	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	44	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.054		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	48	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	5.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	5.3		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.3	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Active (labile) Carbon ^	260	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	4.8	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.3	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	1.1	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	5.5	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	11	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	120		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.51	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	5.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.34	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	10.3	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	3.3	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635040

<b>Sample Number:</b> 022071695	<b>Paddock Name:</b> MT106515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.90		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.5		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	2.4	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.19	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	61	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	110	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	1.2	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.09		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635041

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071694	<b>Paddock Name:</b> MT1061530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT173		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	200	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	40	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.036		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	52	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	3.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	6.9		04-031-PH	20/08/2020 to 24/08/2020
Active (labile) Carbon ^	127	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	1.9	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.0	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	0.61	%	04-086-TC	20/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.51	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	8.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.73	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	15.4	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	4.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.78		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.1		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635041

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635042

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071693	<b>Paddock Name:</b> MT1063060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
Available Potassium ^	160	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	45	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.019		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	46	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	1.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	8.3		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	0.94	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.90	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.40	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	10	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	11	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	23.2	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	7.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.91		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.1		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.18	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635042

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635043

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071692	<b>Paddock Name:</b> MT10660100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	150	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	15	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.027		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	53	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	1.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	8.7		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	1.8	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.85	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.38	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	11	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	6.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	20.0	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	30	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.27		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.9		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.23	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	22	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635043

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# SOIL ANALYSIS REPORT

Report Number: 635044

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071691	<b>Paddock Name:</b> MT10705	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	420	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	46	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.31		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	26	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	22	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			21/08/2020 to 21/08/2020
Soil Colour	Red-brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	4.7		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Active (labile) Carbon ^	208	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	3.6	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.3	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	1.1	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	3.1	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	42	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	67		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.14	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	15	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	0.17	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	4.98	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.7	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635044

<b>Sample Number:</b> 022071691	<b>Paddock Name:</b> MT10705	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	3.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.8		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.0		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.91	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.20	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	35	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	57	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.70	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.63		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635045

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071690	<b>Paddock Name:</b> MT107515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	280	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	43	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.11		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	42	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	9.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
Soil Colour	Red-brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	5.5		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Active (labile) Carbon ^	108	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	3.8	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.69	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	0.63	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	1.0	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	7.5	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	60		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.71	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	3.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.43	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	7.75	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	5.5	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635045

<b>Sample Number:</b> 022071690	<b>Paddock Name:</b> MT107515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.1		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.83	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	<0.020	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	20	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	19	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.84	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.13		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635046

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071689	<b>Paddock Name:</b> MT1071530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT173		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	300	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	39	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.081		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	46	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	6.4		04-031-PH	20/08/2020 to 24/08/2020
Active (labile) Carbon ^	61.7	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	2.4	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	0.41	%	04-086-TC	20/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.76	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	5.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.91	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	11.1	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	8.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.84		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.0		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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8 South Rd, Werribee Vic 3030  
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635046

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635047

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071688	<b>Paddock Name:</b> MT1073060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	270	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	33	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.051		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	51	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	7.2		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	1.3	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.70	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.69	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	8.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	16.0	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	11	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.65		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.8		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635048

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071687	<b>Paddock Name:</b> MT10760100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	240	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	30	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.039		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	47	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	3.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	8.5		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	1.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.61	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	9.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	4.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	20.1	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	20	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.63		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.6		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.25	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 635048

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# SOIL ANALYSIS REPORT

Report Number: 635049

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071686	<b>Paddock Name:</b> MT10805	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	1			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	1			21/08/2020 to 21/08/2020
Available Potassium ^	450	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	46	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.31		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	24	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.7	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	21	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	4.6		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.7	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Organic Carbon (W&B)	1.58	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	26	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	23	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	6.4	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	19	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	60		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.15	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	28	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	0.32	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	5.52	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.6	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635049

<b>Sample Number:</b> 022071686	<b>Paddock Name:</b> MT10805	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	5.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.4		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.12	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	59	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.87	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.68	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	38	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	130	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.62	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.32		04-020-ICP17	21/08/2020 to 21/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635050

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071685	<b>Paddock Name:</b> MT108515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	2			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
Available Potassium ^	310	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	45	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.24		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	26	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.4	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
Soil Colour	Red-brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	4.5		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Organic Carbon (W&B)	0.79	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	6.0	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.95	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	4.8	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	6.5	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	76		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.80	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.044	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	48	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	0.53	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	4.72	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.93	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 635050

<b>Sample Number:</b> 022071685	<b>Paddock Name:</b> MT108515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	11	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.8		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.7		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.94	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.13	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	24	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	67	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.47	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.09		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635051

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072205	<b>Paddock Name:</b> MT10905	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	2			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	2			21/08/2020 to 21/08/2020
Available Potassium ^	520	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	58	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.25		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	19	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.9	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	20	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	4.9		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Organic Carbon (W&B)	1.10	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	14	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.0	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	8.3	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	11	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	61		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.059	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	10	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	0.11	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	6.73	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.87	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635051

<b>Sample Number:</b> 022072205	<b>Paddock Name:</b> MT10905	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.9		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	1.3	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.67	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	35	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	68	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.83	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.18		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635052

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072204	<b>Paddock Name:</b> MT109515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	540	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	64	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.17		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	21	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.7	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	14	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			21/08/2020 to 21/08/2020
Soil Colour	Red-brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	5.3		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Organic Carbon (W&B)	1.00	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	2.9	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.64	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.0	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	5.2	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	74		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.089	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	9.59	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.93	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635052

<b>Sample Number:</b> 022072204	<b>Paddock Name:</b> MT109515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.5		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	1.5	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.16	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	25	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	24	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	1.0	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.07		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635053

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072203	<b>Paddock Name:</b> MT1091530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	410	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	64	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.14		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	23	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	12	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	5.7		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	3.3	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.99	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.099	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	8.52	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.9		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.9		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635053

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635054

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072202	<b>Paddock Name:</b> MT1093060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	500	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	47	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.086		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	42	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	7.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	6.4		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	2.0	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.76	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	8.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	7.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.44	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	17.0	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.6		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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8 South Rd, Werribee Vic 3030  
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635054

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635055

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072201	<b>Paddock Name:</b> MT10960100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	1			21/08/2020 to 21/08/2020
Available Potassium ^	400	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	45	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.037		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	46	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	3.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	8.1		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	2.1	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.81	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	13	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	14	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	29.8	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	5.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.93		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.8		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.20	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635055

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635056

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071684	<b>Paddock Name:</b> MT11005	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	2			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
Available Potassium ^	350	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	60	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.25		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	19	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	19	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
Soil Colour	Red-brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	5.0		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Active (labile) Carbon ^	165	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	8.0	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.86	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	1.0	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	2.6	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	15	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	55		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.90	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.86	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.089	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	4.62	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.9	%	04-026-ICP8	24/08/2020 to 24/08/2020

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Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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# SOIL ANALYSIS REPORT

Report Number: 635056

<b>Sample Number:</b> 022071684	<b>Paddock Name:</b> MT11005	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.1		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.94	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.25	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	27	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	33	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl2)	0.60	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.27		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635057

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071683	<b>Paddock Name:</b> MT110515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	1			21/08/2020 to 21/08/2020
Available Potassium ^	220	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	62	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.14		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	24	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	13	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
Soil Colour	Red-brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	4.8		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.1	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Active (labile) Carbon ^	93.6	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	2.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.62	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	0.74	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	<1.0	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	<5.0	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	71		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.55	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.066	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	4.37	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.5	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635057

<b>Sample Number:</b> 022071683	<b>Paddock Name:</b> MT110515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.5		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.2		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	1.2	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.049	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	26	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	21	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.61	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.07		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635058

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071682	<b>Paddock Name:</b> MT1101530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT173		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	150	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	48	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.090		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	39	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	7.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	5.4		04-031-PH	20/08/2020 to 24/08/2020
Active (labile) Carbon ^	70.5	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	1.4	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	0.48	%	04-086-TC	20/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.38	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.26	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	4.81	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	5.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.2		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.1		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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8 South Rd, Werribee Vic 3030  
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635058

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635059

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071681	<b>Paddock Name:</b> MT1103060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	330	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	33	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.090		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	51	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	7.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	6.9		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	1.1	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.85	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	5.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.93	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	11.1	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	8.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.65		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.5		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635059

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635060

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071680	<b>Paddock Name:</b> MT11060100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	410	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	38	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.10		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	44	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	7.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	8.3		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	1.1	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	5.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	13.3	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	9.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.86		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.3		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.15	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635060

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8 South Rd, Werribee Vic 3030

Toll-free: 1800 803 453 Fax: (61 3) 9974 0699

**Enquiries:** [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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# SOIL ANALYSIS REPORT

Report Number: 635061

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071678	<b>Paddock Name:</b> MT11105	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	380	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	54	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.24		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	25	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	19	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	4.9		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Active (labile) Carbon ^	201	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	12	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.7	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	1.2	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	2.0	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	11	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	63		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.97	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.060	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	4.99	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.2	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635061

<b>Sample Number:</b> 022071678	<b>Paddock Name:</b> MT11105	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.1		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.60	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.28	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	28	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	44	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl2)	0.71	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.17		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635062

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071677	<b>Paddock Name:</b> MT111515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	250	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	56	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.079		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	35	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	7.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
Soil Colour	Red-brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	5.9		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.1	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Active (labile) Carbon ^	84.2	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	0.54	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	0.44	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	1.0	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	<5.0	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	62		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.64	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	3.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.15	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	8.95	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.7	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635062

<b>Sample Number:</b> 022071677	<b>Paddock Name:</b> MT111515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.6		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.2		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.62	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.032	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	8.6	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	18	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl2)	0.76	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.08		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635063

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071676	<b>Paddock Name:</b> MT1111530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT173		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	300	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	54	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.072		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	37	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	6.2		04-031-PH	20/08/2020 to 24/08/2020
Active (labile) Carbon ^	52.8	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	<0.50	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	0.37	%	04-086-TC	20/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.78	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	4.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.28	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	12.0	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	2.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.4		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.5		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635063

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635064

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071675	<b>Paddock Name:</b> MT1113060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	380	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	40	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.071		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	49	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	6.4		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	6.3	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.78	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.98	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	7.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.77	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	15.6	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	5.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.81		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.8		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 635064

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635065

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071679	<b>Paddock Name:</b> MT11160100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	420	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	36	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.075		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	52	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	6.9		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	1.6	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.64	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	8.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.92	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	16.6	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	5.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.69		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.2		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635065

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# SOIL ANALYSIS REPORT

Report Number: 635066

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071674	<b>Paddock Name:</b> MT11205	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	1			21/08/2020 to 21/08/2020
Available Potassium ^	500	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	59	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.28		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	20	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.5	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	21	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
Soil Colour	Red-brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	4.8		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.6	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Organic Carbon (W&B)	0.87	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	31	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.8	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	13	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	9.9	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	60		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.038	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	5.99	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.63	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635066

<b>Sample Number:</b> 022071674	<b>Paddock Name:</b> MT11205	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.9		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.6		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.10	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	1.2	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.42	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	63	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	28	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.90	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.17		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635067

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071673	<b>Paddock Name:</b> MT112515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	1			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
Available Potassium ^	530	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	65	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.17		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	19	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.1	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	15	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
Soil Colour	Red-brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	5.7		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.6	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Organic Carbon (W&B)	0.65	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	41	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	3.3	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	<5.0	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	58		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.082	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	8.90	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.93	%	04-026-ICP8	24/08/2020 to 24/08/2020

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Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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# SOIL ANALYSIS REPORT

Report Number: 635067

<b>Sample Number:</b> 022071673	<b>Paddock Name:</b> MT112515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.4		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.4		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.09	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	1.2	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.20	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	28	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	12	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.92	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.09		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635068

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071672	<b>Paddock Name:</b> MT1121530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	380	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	63	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.14		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	24	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	12	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	6.4		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	26	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.98	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.066	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	7.88	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.83	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.6		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.1		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.07	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635068

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635069

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071671	<b>Paddock Name:</b> MT1123060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	420	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	53	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.12		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	35	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	10	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	7.1		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	3.1	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	3.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.17	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	10.3	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.6	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.5		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.2		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635069

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635070

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071670	<b>Paddock Name:</b> MT11260100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	560	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	47	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.10		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	42	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	9.5	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	7.8		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	1.7	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	7.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	6.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.20	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	15.0	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.7		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635070

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# SOIL ANALYSIS REPORT

Report Number: 635071

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071669	<b>Paddock Name:</b> MT11305	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	2			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	2			21/08/2020 to 21/08/2020
Available Potassium ^	280	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	55	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.34		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	20	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	25	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Sandy Loam		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	4.8		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.3	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Active (labile) Carbon ^	183	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	9.0	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	5.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	0.92	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	1.8	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	<5.0	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	29		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.73	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	1.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.57	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	<0.022	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	2.88	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635071

<b>Sample Number:</b> 022071669	<b>Paddock Name:</b> MT11305	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.8		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.1		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.40	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.44	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	27	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	60	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl2)	0.36	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.17		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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^ NATA accreditation does not cover the performance of this service.

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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# SOIL ANALYSIS REPORT

Report Number: 635072

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071668	<b>Paddock Name:</b> MT113515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	250	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	61	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.26		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	19	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	21	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
Soil Colour	Red-brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay Loam		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	5.2		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Active (labile) Carbon ^	75.6	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	1.4	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	0.46	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	<1.0	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	<5.0	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	33		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.64	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	1.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	0.58	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	<0.022	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	3.09	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635072

<b>Sample Number:</b> 022071668	<b>Paddock Name:</b> MT113515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.6		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.02	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.32	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.099	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	18	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	17	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl2)	0.39	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.15		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635073

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071667	<b>Paddock Name:</b> MT1131530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT173		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	310	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	63	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.19		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	21	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	16	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	6.3		04-031-PH	20/08/2020 to 24/08/2020
Active (labile) Carbon ^	52.3	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	2.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	0.28	%	04-086-TC	20/08/2020 to 20/08/2020
Potassium (Amm-acet.)	0.80	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.026	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	5.04	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.52	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.9		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.5		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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Incitec Pivot Limited - ABN 42 004 080 264  
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Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635073

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635074

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071666	<b>Paddock Name:</b> MT1133060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	320	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	57	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.12		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	32	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	11	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	6.9		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	15	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.82	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.049	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	7.51	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.66	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.8		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.8		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635074

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635075

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071665	<b>Paddock Name:</b> MT11360100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	340	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	45	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.13		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	42	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	11	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	7.2		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	1.9	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.86	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	3.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.14	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	7.52	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.9	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.1		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.4		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
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**Report Number:** 635075

Sample condition on receipt:    Suitable for testing.

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Incitec Pivot Limited - ABN 42 004 080 264

8 South Rd, Werribee Vic 3030

Toll-free: 1800 803 453 Fax: (61 3) 9974 0699

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# SOIL ANALYSIS REPORT

Report Number: 635076

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071664	<b>Paddock Name:</b> MT11405	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	400	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	65	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	8			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.14		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	22	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	2.1	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	12	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	1			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	5.6		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.3	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Organic Carbon (W&B)	1.22	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	9.3	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	6.8	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	3.8	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	8.3	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	55		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.052	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	8.28	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.63	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635076

<b>Sample Number:</b> 022071664	<b>Paddock Name:</b> MT11405	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.8		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.6		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.77	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.53	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	25	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	41	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.64	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.15		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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^ NATA accreditation does not cover the performance of this service.

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# SOIL ANALYSIS REPORT

Report Number: 635077

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071663	<b>Paddock Name:</b> MT114515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	1			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	2			21/08/2020 to 21/08/2020
Available Potassium ^	290	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	59	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.12		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	29	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.2	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	10	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	5.4		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.3	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Organic Carbon (W&B)	0.70	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	16	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.0	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.6	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	5.1	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	71		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.74	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.11	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	7.21	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.6	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635077

<b>Sample Number:</b> 022071663	<b>Paddock Name:</b> MT114515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.4		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	13	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.94	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.21	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	37	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	41	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.61	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.07		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635078

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071662	<b>Paddock Name:</b> MT1141530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	240	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	48	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.069		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	41	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.2	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	5.8		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	24	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.91	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.60	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	4.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.46	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	9.72	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	4.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.2		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.9		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.07	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	15	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635078

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635079

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071661	<b>Paddock Name:</b> MT1143060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	330	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	41	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.064		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	47	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	5.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	6.9		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	2.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.73	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.84	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	7.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.87	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	14.8	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	5.8	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.87		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.3		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.05	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635079

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635080

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071660	<b>Paddock Name:</b> MT11460100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	300	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	31	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.051		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	53	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	4.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	8.2		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	1.7	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.76	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	9.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	2.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	17.5	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	11	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.59		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	9.2		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.20	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	63	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635080

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635081

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071659	<b>Paddock Name:</b> MT11505	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	370	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	65	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.16		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	20	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.5	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	13	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	5.9		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Organic Carbon (W&B)	0.85	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	2.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.3	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	2.4	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	<5.0	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	56		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.93	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.11	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	6.99	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.5	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635081

<b>Sample Number:</b> 022071659	<b>Paddock Name:</b> MT11505	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	3.2		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.0		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.61	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.27	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	26	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	42	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.67	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.09		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635082

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071658	<b>Paddock Name:</b> MT115515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	290	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	62	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.14		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	24	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	0.72	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	12	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
Soil Colour	Red-brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	6.2		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.2	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Organic Carbon (W&B)	0.42	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	0.77	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.66	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	1.1	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	<5.0	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	45		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.73	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.11	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	6.22	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.7	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635082

<b>Sample Number:</b> 022071658	<b>Paddock Name:</b> MT115515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.6		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.4		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.03	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	0.44	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.099	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	11	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	23	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.70	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.11		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635083

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071657	<b>Paddock Name:</b> MT1151530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	270	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	49	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.085		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	38	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	7.4	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl <sub>2</sub> )	6.6		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	0.76	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.70	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	3.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.50	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	9.39	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	5.3	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.0		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635083

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635084

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071656	<b>Paddock Name:</b> MT1153060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	330	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	38	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.070		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	47	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	6.0	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	7.0		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	0.70	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.84	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	5.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	6.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	14.1	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	9.1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.82		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.5		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.06	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

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**Report Number:** 635084

Sample condition on receipt:     Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635085

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071655	<b>Paddock Name:</b> MT11560100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	4			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	320	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	29	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	1			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.069		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	53	%	04-026-ICP8	24/08/2020 to 24/08/2020
Potassium % of Cations	5.7	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	7.4		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	<0.50	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.83	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	7.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	14.6	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	12	%	04-026-ICP8	24/08/2020 to 24/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	0.54		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.8		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.08	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
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**Report Number:** 635085

Sample condition on receipt:    Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635086

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071654	<b>Paddock Name:</b> MT11605	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	1			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	2			21/08/2020 to 21/08/2020
Available Potassium ^	310	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	55	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.21		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	27	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	1.1	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	17	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay Loam		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	5.5		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.3	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Organic Carbon (W&B)	0.66	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	6.5	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	2.2	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	3.5	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	<5.0	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	45		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.80	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.031	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	4.70	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.66	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

**Report Number:** 635086

<b>Sample Number:</b> 022071654	<b>Paddock Name:</b> MT11605	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.0		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.6		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	1.3	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.27	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	8.4	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	29	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.43	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.11		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635087

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071653	<b>Paddock Name:</b> MT116515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	1			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	1			21/08/2020 to 21/08/2020
Available Potassium ^	240	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	56	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.17		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	28	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	0.72	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	15	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Sandy Loam		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	5.9		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	0.4	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Organic Carbon (W&B)	0.42	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	7.3	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	2.1	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	3.2	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	6.0	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	44		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	0.61	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	2.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.2	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.045	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	4.09	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	1.1	%	04-026-ICP8	24/08/2020 to 24/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635087

<b>Sample Number:</b> 022071653	<b>Paddock Name:</b> MT116515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	1.9		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.9		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	1.1	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.15	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	5.9	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	32	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	0.35	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.14		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635088

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071652	<b>Paddock Name:</b> MT11705	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 24/08/2020
2 hour remoulded aggregate ^	0			21/08/2020 to 24/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 24/08/2020
20 hour remoulded aggregate ^	0			21/08/2020 to 24/08/2020
Available Potassium ^	1100	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	50	%	04-026-ICP8	24/08/2020 to 24/08/2020
Emerson Class ^	7			21/08/2020 to 24/08/2020
Grass Tetany Risk Index ^	0.44		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	19	%	04-026-ICP8	24/08/2020 to 24/08/2020
Organic Matter (W&B * 1.72) ^	4.4	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	30	%	04-026-ICP8	24/08/2020 to 24/08/2020
Slaking ^	2			21/08/2020 to 24/08/2020
Soil Colour	Brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay Loam		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	4.7		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	2.6	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Organic Carbon (W&B)	2.53	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	120	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	3.9	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	24	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	97	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	62		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	2.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.5	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.062	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 21/08/2020
Cation Exchange Capacity (Amm-acet.)	8.99	cmol(+)/kg	04-026-ICP8	24/08/2020 to 24/08/2020
Sodium % of cations	0.69	%	04-026-ICP8	24/08/2020 to 24/08/2020

## Nutrient Advantage Laboratory Services

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# SOIL ANALYSIS REPORT

Report Number: 635088

<b>Sample Number:</b> 022071652	<b>Paddock Name:</b> MT11705	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	<1	%	04-026-ICP8	24/08/2020 to 24/08/2020
Calcium/Magnesium Ratio	2.6		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.3		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.32	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	49	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	1.2	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	1.9	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	39	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	110	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	1.6	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	1.56		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

The results pertain only to the sample submitted.

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# SOIL ANALYSIS REPORT

Report Number: 635089

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071651	<b>Paddock Name:</b> MT117515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	1			21/08/2020 to 21/08/2020
Available Potassium ^	1000	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	44	%	04-026-ICP8	25/08/2020 to 25/08/2020
Emerson Class ^	7			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.50		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	20	%	04-026-ICP8	25/08/2020 to 25/08/2020
Organic Matter (W&B * 1.72) ^	2.4	%	04-054-WCALC	25/08/2020 to 25/08/2020
Potassium % of Cations	32	%	04-026-ICP8	25/08/2020 to 25/08/2020
Slaking ^	2			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	4.6		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	1.7	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Organic Carbon (W&B)	1.39	%	04-018-UV1	24/08/2020 to 25/08/2020
Nitrate Nitrogen	100	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	4.1	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Sulphur (KCl40)	16	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	28	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	100		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	2.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	3.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	1.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.073	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	29	mg/kg	04-027-ICP9	20/08/2020 to 25/08/2020
Aluminium (KCl)	0.32	cmol(+)/kg	04-027-ICP9	20/08/2020 to 25/08/2020
Cation Exchange Capacity (Amm-acet.)	8.17	cmol(+)/kg	04-026-ICP8	25/08/2020 to 25/08/2020
Sodium % of cations	0.89	%	04-026-ICP8	25/08/2020 to 25/08/2020

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# SOIL ANALYSIS REPORT

Report Number: 635089

<b>Sample Number:</b> 022071651	<b>Paddock Name:</b> MT117515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-083		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	4.0	%	04-026-ICP8	25/08/2020 to 25/08/2020
Calcium/Magnesium Ratio	2.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.2		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.28	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	48	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	1.4	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.29	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	36	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	94	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl <sub>2</sub> )	1.4	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Molybdenum (Hot CaCl <sub>2</sub> ) ^	<0.010	mg/kg	04-083-ICP27	20/08/2020 to 21/08/2020
Phosphorus Environmental Risk Index ^	0.28		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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# SOIL ANALYSIS REPORT

Report Number: 635090

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071650	<b>Paddock Name:</b> MT1171530	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	2			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	910	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	52	%	04-026-ICP8	25/08/2020 to 25/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.34		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	22	%	04-026-ICP8	25/08/2020 to 25/08/2020
Potassium % of Cations	26	%	04-026-ICP8	25/08/2020 to 25/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	5.3		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	39	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	2.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.0	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.055	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 25/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 25/08/2020
Cation Exchange Capacity (Amm-acet.)	9.06	cmol(+)/kg	04-026-ICP8	25/08/2020 to 25/08/2020
Sodium % of cations	0.61	%	04-026-ICP8	25/08/2020 to 25/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	25/08/2020 to 25/08/2020
Calcium/Magnesium Ratio	2.4		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	6.2		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.13	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	15	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635090

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# SOIL ANALYSIS REPORT

Report Number: 635091

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071649	<b>Paddock Name:</b> MT1173060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	750	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	50	%	04-026-ICP8	25/08/2020 to 25/08/2020
Emerson Class ^	8			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.25		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	29	%	04-026-ICP8	25/08/2020 to 25/08/2020
Potassium % of Cations	20	%	04-026-ICP8	25/08/2020 to 25/08/2020
Slaking ^	1			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	6.4		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	21	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.95	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.8	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.090	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 25/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 25/08/2020
Cation Exchange Capacity (Amm-acet.)	9.71	cmol(+)/kg	04-026-ICP8	25/08/2020 to 25/08/2020
Sodium % of cations	0.93	%	04-026-ICP8	25/08/2020 to 25/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	25/08/2020 to 25/08/2020
Calcium/Magnesium Ratio	1.7		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.4		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.08	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635091

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# SOIL ANALYSIS REPORT

Report Number: 635092

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071648	<b>Paddock Name:</b> MT11760100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	1			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	3			21/08/2020 to 21/08/2020
Available Potassium ^	430	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	33	%	04-026-ICP8	25/08/2020 to 25/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.051		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	59	%	04-026-ICP8	25/08/2020 to 25/08/2020
Potassium % of Cations	4.7	%	04-026-ICP8	25/08/2020 to 25/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	7.5		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	<0.60	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	7.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	14	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.84	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 25/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 25/08/2020
Cation Exchange Capacity (Amm-acet.)	23.1	cmol(+)/kg	04-026-ICP8	25/08/2020 to 25/08/2020
Sodium % of cations	3.6	%	04-026-ICP8	25/08/2020 to 25/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	25/08/2020 to 25/08/2020
Calcium/Magnesium Ratio	0.54		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.4		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.15	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	18	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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**Report Number:** 635092

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# SOIL ANALYSIS REPORT

Report Number: 635093

Sustainable Soils Management P/L  
PO Box 130  
WARREN  
NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022071647	<b>Paddock Name:</b> MT11805	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 24/08/2020
2 hour remoulded aggregate ^	0			21/08/2020 to 24/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 24/08/2020
20 hour remoulded aggregate ^	0			21/08/2020 to 24/08/2020
Available Potassium ^	730	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	53	%	04-026-ICP8	25/08/2020 to 25/08/2020
Emerson Class ^	7			21/08/2020 to 24/08/2020
Grass Tetany Risk Index ^	0.28		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	24	%	04-026-ICP8	25/08/2020 to 25/08/2020
Potassium % of Cations	21	%	04-026-ICP8	25/08/2020 to 25/08/2020
Slaking ^	2			21/08/2020 to 24/08/2020
Soil Colour	Brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	4.5		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	1.6	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Active (labile) Carbon ^	401	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	120	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	22	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	2.4	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	14	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	56	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	74		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	4.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.058	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	13	mg/kg	04-027-ICP9	20/08/2020 to 25/08/2020
Aluminium (KCl)	0.15	cmol(+)/kg	04-027-ICP9	20/08/2020 to 25/08/2020
Cation Exchange Capacity (Amm-acet.)	8.85	cmol(+)/kg	04-026-ICP8	25/08/2020 to 25/08/2020
Sodium % of cations	0.65	%	04-026-ICP8	25/08/2020 to 25/08/2020

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<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.7	%	04-026-ICP8	25/08/2020 to 25/08/2020
Calcium/Magnesium Ratio	2.2		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.1		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.26	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	13	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	2.1	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	1.3	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	70	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	88	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl2)	1.1	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.76		04-020-ICP17	21/08/2020 to 21/08/2020

Sample condition on receipt: Suitable for testing.

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PO Box 130  
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NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072200	<b>Paddock Name:</b> MT118515	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
Available Potassium ^	620	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	60	%	04-026-ICP8	25/08/2020 to 25/08/2020
Emerson Class ^	6			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.17		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	23	%	04-026-ICP8	25/08/2020 to 25/08/2020
Potassium % of Cations	14	%	04-026-ICP8	25/08/2020 to 25/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
Soil Colour	Brown		04-042-PHYS	25/08/2020 to 25/08/2020
Soil Texture	Clay		04-042-PHYS	25/08/2020 to 25/08/2020
pH (1:5 CaCl2)	4.9		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (Sat. Ext.) ^	1.2	dS/m	04-054-WCALC	25/08/2020 to 25/08/2020
Active (labile) Carbon ^	345	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	93	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.7	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	2.0	%	04-086-TC	20/08/2020 to 20/08/2020
Sulphur (KCl40)	5.7	mg/kg	04-021-ICP2	24/08/2020 to 25/08/2020
Phosphorus (Colwell)	21	mg/kg	04-013-COL_P	19/08/2020 to 21/08/2020
Phosphorus Buffer Index (PBI-Col)	76		04-020-ICP17	21/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.048	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	18	mg/kg	04-027-ICP9	20/08/2020 to 25/08/2020
Aluminium (KCl)	0.20	cmol(+)/kg	04-027-ICP9	20/08/2020 to 25/08/2020
Cation Exchange Capacity (Amm-acet.)	11.1	cmol(+)/kg	04-026-ICP8	25/08/2020 to 25/08/2020
Sodium % of cations	0.43	%	04-026-ICP8	25/08/2020 to 25/08/2020

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<b>Test Code:</b> CT171		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
Aluminium % of Cations	1.8	%	04-026-ICP8	25/08/2020 to 25/08/2020
Calcium/Magnesium Ratio	2.6		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.6		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.20	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Copper (DTPA)	2.4	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Zinc (DTPA)	0.66	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Manganese (DTPA)	79	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Iron (DTPA)	39	mg/kg	04-024-ICP6	21/08/2020 to 24/08/2020
Boron (Hot CaCl2)	0.98	mg/kg	04-025-ICP7	21/08/2020 to 24/08/2020
Phosphorus Environmental Risk Index ^	0.28		04-020-ICP17	21/08/2020 to 21/08/2020

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Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072199	<b>Paddock Name:</b> MT1181525	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> CT173		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	0			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	0			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	1			21/08/2020 to 21/08/2020
Available Potassium ^	510	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	61	%	04-026-ICP8	25/08/2020 to 25/08/2020
Emerson Class ^	3			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.14		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	27	%	04-026-ICP8	25/08/2020 to 25/08/2020
Potassium % of Cations	12	%	04-026-ICP8	25/08/2020 to 25/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	5.2		04-031-PH	20/08/2020 to 24/08/2020
Active (labile) Carbon ^	252	mg/kg	04-065-ACTIVE_C	21/08/2020 to 25/08/2020
Nitrate Nitrogen	65	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.74	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Total Carbon (combustion)	1.6	%	04-086-TC	20/08/2020 to 20/08/2020
Potassium (Amm-acet.)	1.3	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	6.6	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	2.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.064	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 25/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 25/08/2020
Cation Exchange Capacity (Amm-acet.)	10.9	cmol(+)/kg	04-026-ICP8	25/08/2020 to 25/08/2020
Sodium % of cations	0.59	%	04-026-ICP8	25/08/2020 to 25/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	25/08/2020 to 25/08/2020
Calcium/Magnesium Ratio	2.3		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	5.8		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.14	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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NSW 2824



Report Authorised  
Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072198	<b>Paddock Name:</b> MT1183060	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	1			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	2			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	410	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	43	%	04-026-ICP8	25/08/2020 to 25/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.070		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	49	%	04-026-ICP8	25/08/2020 to 25/08/2020
Potassium % of Cations	6.1	%	04-026-ICP8	25/08/2020 to 25/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	6.4		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	5.9	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	0.75	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	7.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	8.4	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	0.44	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 25/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 25/08/2020
Cation Exchange Capacity (Amm-acet.)	17.3	cmol(+)/kg	04-026-ICP8	25/08/2020 to 25/08/2020
Sodium % of cations	2.5	%	04-026-ICP8	25/08/2020 to 25/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	25/08/2020 to 25/08/2020
Calcium/Magnesium Ratio	0.88		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	7.7		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.04	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

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Paul Kennelly  
Laboratory Manager  
NATA Accredited Laboratory  
Number: 11958

<b>Sample Number:</b> 022072197	<b>Paddock Name:</b> MT11860100	<b>Date Received:</b> 18-Aug-2020
<b>Test Code:</b> 2017-065		<b>Date of Report:</b> 27-Oct-2020
<b>Purchase Order No:</b> TPG		
<b>Grower Name:</b> SUSTAINABLE SOIL MANAG		

Analyte	Result	Units	Method Code	Analyte Testing Period
2 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
2 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
20 hour natural aggregate ^	3			21/08/2020 to 21/08/2020
20 hour remoulded aggregate ^	4			21/08/2020 to 21/08/2020
Available Potassium ^	450	mg/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium % of Cations	31	%	04-026-ICP8	25/08/2020 to 25/08/2020
Emerson Class ^	2			21/08/2020 to 21/08/2020
Grass Tetany Risk Index ^	0.048		04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium % of Cations	59	%	04-026-ICP8	25/08/2020 to 25/08/2020
Potassium % of Cations	4.4	%	04-026-ICP8	25/08/2020 to 25/08/2020
Slaking ^	0			21/08/2020 to 21/08/2020
pH (1:5 CaCl2)	7.8		04-031-PH	20/08/2020 to 24/08/2020
Nitrate Nitrogen	3.4	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Ammonium Nitrogen	1.0	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020
Potassium (Amm-acet.)	1.1	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Calcium (Amm-acet.)	7.9	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Magnesium (Amm-acet.)	15	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Sodium (Amm-acet.)	1.7	cmol(+)/kg	04-026-ICP8	20/08/2020 to 24/08/2020
Aluminium (KCl)	<9.0	mg/kg	04-027-ICP9	20/08/2020 to 25/08/2020
Aluminium (KCl)	<0.10	cmol(+)/kg	04-027-ICP9	20/08/2020 to 25/08/2020
Cation Exchange Capacity (Amm-acet.)	25.8	cmol(+)/kg	04-026-ICP8	25/08/2020 to 25/08/2020
Sodium % of cations	6.4	%	04-026-ICP8	25/08/2020 to 25/08/2020
Aluminium % of Cations	<1	%	04-026-ICP8	25/08/2020 to 25/08/2020
Calcium/Magnesium Ratio	0.53		04-026-ICP8	20/08/2020 to 24/08/2020
pH (1:5 Water)	8.8		04-031-PH	20/08/2020 to 24/08/2020
Electrical Conductivity (1:5 water)	0.15	dS/m	04-031-PH	20/08/2020 to 24/08/2020
Chloride	<10	mg/kg	04-063-FIA3	19/08/2020 to 21/08/2020

## Nutrient Advantage Laboratory Services

Nutrient Advantage is a trademark of Incitec Pivot Limited  
Incitec Pivot Limited - ABN 42 004 080 264  
8 South Rd, Werribee Vic 3030  
Toll-free: 1800 803 453 Fax: (61 3) 9974 0699  
Enquiries: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)

**Disclaimer:** This analysis report is prepared solely for the client listed above. To the extent permitted by law, Incitec Pivot Limited excludes all liability in connection with this report and, where liability cannot be excluded, limits its liability, at its election, to the re-supply of the analysis services or the cost of the re-supply of such services.

**Report Number:** 635097

Sample condition on receipt:     Suitable for testing.

The results pertain only to the sample submitted.

This document shall not be reproduced except in full.

Analyses performed on soil dried at 40°C and ground to 2mm or less.

^ NATA accreditation does not cover the performance of this service.

Accredited for compliance with ISO/IEC 17025 - Testing.

This results of the tests, calibrations and/or measurements included in this document are traceable to Australian/International standards.

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**APPENDIX III**  
**Incitec Pivot Ltd QA Certificates**

\* This Appendix is only available on the digital version of this document

# NATA Accredited Laboratory

National Association of Testing Authorities, Australia  
(ABN 59 004 379 748)

has accredited

**Incitec Pivot Ltd  
Incitec Pivot Laboratory  
Nutrient Advantage Laboratory Services**

following demonstration of its technical competence  
to operate in accordance with

**ISO/IEC 17025**

This facility is accredited in the field of

## **Chemical Testing**

for the tests shown on the *Scope of Accreditation* issued by NATA



A J Russell  
Chief Executive

Date of accreditation: 7 November 1996  
Accreditation number: 11958



**WORLD RECOGNISED  
ACCREDITATION**

NATA is Australia's government-endorsed laboratory accreditor, and a leader in accreditation internationally. NATA is a signatory to the international mutual recognition arrangements of the International Laboratory Accreditation Cooperation (ILAC) and the Asia Pacific Laboratory Accreditation Cooperation (APLAC).



# Scope of Accreditation

**ACCREDITATION NO: 11958**

**Incitec Pivot Ltd  
Nutrient Advantage Laboratory Services**

Incitec Pivot Laboratory  
8 South Road  
WERRIBEE VIC 3030

CONTACT: Mr P Williams  
PHONE: (03) 9731 3100 FAX: (03) 9974 0699 MOBILE:  
EMAIL: [lab.feedback@incitecpivot.com.au](mailto:lab.feedback@incitecpivot.com.au)  
WEB SITE: [www.incitecpivot.com.au/nutrientadvantage2.asp](http://www.incitecpivot.com.au/nutrientadvantage2.asp)

FACILITIES: Public testing service

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**This facility complies with the requirements of ISO/IEC 17025:2005**

## **7.61 Agricultural products and materials**

### **.22 Soils**

listed as determination(s) by technique(s) using method(s) -  
Aluminium - exchangeable (potassium chloride extractable) by AAS (flame) using in-house Incitec Pivot 04-027  
Boron (hot calcium chloride extractable) by ICP-AES using in-house Incitec Pivot 04-025  
Chloride by SFA using in-house Incitec Pivot 04-052  
Colour and texture by classical using in-house Incitec Pivot 04-042  
DTPA trace elements - copper, iron, manganese, zinc by ICP-AES using in-house Incitec Pivot 04-024  
Electrical conductivity by classical using in-house Incitec Pivot 04-031  
Exchangeable cations - calcium, magnesium, potassium, sodium (ammonium acetate) by ICP-AES using in-house Incitec Pivot 04-026  
Exchangeable cations - aluminium, calcium, magnesium, potassium, sodium (ammonium chloride/barium chloride) by ICP/AES using in-house Incitec Pivot 04-022  
Mehlich III - aluminium, boron, calcium, copper, iron, magnesium, manganese, potassium, phosphorus, sodium, sulfur, zinc by ICP-AES using in-house Incitec Pivot 04-035  
Moisture by classical using in-house Incitec Pivot 04-029  
Nitrogen - ammonium (potassium chloride/sulphuric acid extractable) by FIA using in-house Incitec Pivot 04-043  
Nitrogen - nitrate by SFA using in-house Incitec Pivot 04-052  
Nitrogen - total Kjeldahl by FIA using in-house Incitec Pivot 04-040  
Organic carbon - oxidisable by UV-vis spectrophotometric using in-house Incitec Pivot 04-018  
pH (calcium chloride) by classical using in-house Incitec Pivot 04-031  
pH (water) by classical using in-house Incitec Pivot 04-031  
pH buffer by classical using in-house Incitec Pivot 04-047  
Phosphorus - available (Bray) by FIA using in-house Incitec Pivot 04-002  
Phosphorus - available (BSES) by FIA using in-house Incitec Pivot 04-004  
Phosphorus - available (Colwell) by FIA using in-house Incitec Pivot 04-013  
Phosphorus - available (Lactate) by UV-vis spectrophotometric using in-house Incitec Pivot 04-050



# Scope of Accreditation

Phosphorus - available (Olsen) by FIA using in-house Incitec Pivot 04-030  
Phosphorus - total (Kjeldahl) by FIA using in-house Incitec Pivot 04-040  
Phosphorus buffer index (PBI) by ICP-AES using in-house Incitec Pivot 04-020  
Potassium - exchangeable (Colwell) by AAS (flame) using in-house Incitec Pivot 04-044  
Potassium - exchangeable (nitric acid) by ICP-AES using in-house Incitec Pivot 04-015  
Silicon - available (BSES) by FIA using in-house Incitec Pivot 04-004  
Silicon - available (calcium chloride) by FIA using in-house Incitec Pivot 04-046  
Slaking and dispersion by classical using in-house Incitec Pivot 04-041  
Sulfur - available (calcium dihydrogen orthophosphate) by ICP-AES using in-house Incitec Pivot 04-016  
Sulfur - available (potassium chloride) by ICP-AES using in-house Incitec Pivot 04-021  
Zinc (hydrochloric acid) by ICP-AES using in-house Incitec Pivot 04-014

## .23 Plant tissue

listed as determination(s) by technique(s) using method(s) -  
Boron by ICP-AES using in-house Incitec Pivot 04-023  
Calcium by ICP-AES using in-house Incitec Pivot 04-023  
Chloride (hot and cold extraction) by SFA using in-house Incitec Pivot 04-045  
Copper by ICP-AES using in-house Incitec Pivot 04-023  
Iron by ICP-AES using in-house Incitec Pivot 04-023  
Magnesium by ICP-AES using in-house Incitec Pivot 04-023  
Manganese by ICP-AES using in-house Incitec Pivot 04-023  
Nitrogen - nitrate (hot and cold extraction) by SFA using in-house Incitec Pivot 04-045  
Nitrogen - total Kjeldahl by FIA using in-house Incitec Pivot 04-011  
Phosphorus by ICP-AES using in-house Incitec Pivot 04-023  
Potassium by ICP-AES using in-house Incitec Pivot 04-023  
Sodium by ICP-AES using in-house Incitec Pivot 04-023  
Sulfur by ICP-AES using in-house Incitec Pivot 04-023  
Zinc by ICP-AES using in-house Incitec Pivot 04-023

**Accreditation No: 11958**

*Corporate Site No: 11951*

(Scope Last Changed 03/09/09 )

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Australasian Soil and Plant Analysis Council Inc.

*This is to certify that*

**Nutrient Advantage Laboratory Services #CMA-054**

*meets ASPAC's proficiency criteria for the following methods conducted in the Soil Proficiency Testing Program, 2016*

• Ammonium Nitrogen (mg/kg)	7C2
• CaCl <sub>2</sub> Extractable B (mg/kg)	12C2
• Exch Aluminium (cmol+/kg)	15G1
• Exch Calcium (cmol+/kg)	15D3
• Exch Potassium (cmol+/kg)	15D3
• Exch Magnesium (cmol+/kg)	15D3
• Exch Sodium (cmol+/kg)	15D3
• Ext Copper (mg/kg)	12A1
• Ext Iron (mg/kg)	12A1
• Ext Manganese (mg/kg)	12A1
• Acid P (mg/kg)	9G2
• Bray P (mg/kg)	9E2
• Colwell P (mg/kg)	9B2
• Olsen P (mg/kg)	9C2
• Ext Sulphur (mg/kg)	10B1
• Ext Sulphur (mg/kg)	10D1
• Ext Zinc (mg/kg)	12A1
• M3-Aluminium (mg/kg)	18F1
• M3-Boron (mg/kg)	18F1
• M3-Calcium (mg/kg)	18F1
• M3-Copper (mg/kg)	18F1
• M3-Iron (mg/kg)	18F1
• M3-Potassium (mg/kg)	18F1
• M3-Magnesium (mg/kg)	18F1
• M3-Manganese (mg/kg)	18F1
• M3-Sodium (mg/kg)	18F1
• M3-Phosphorus (mg/kg)	18F1
• M3-Sulphur (mg/kg)	18F1
• M3-Zinc (mg/kg)	18F1
• Nitrate Nitrogen (mg/kg)	7C2
• Organic Carbon W&B (%)	6A1
• PBI Colwell (L/kg)	9I2a
• pH CaCl <sub>2</sub> (pH units)	4B2
• pH Water (pH units)	4A1
• Total Nitrogen (%)	7A2
• Total Nitrogen (%)	7A5
• Total Phosphorus (%)	Not Specified
• Water Ext Cl (mg/kg)	5A2

*Method codes are from Rayment and Lyons (2011)*

D. Lyons  
Chairperson, ASPAC

R. Hill  
Convenor, Lab Proficiency Committee