RP Infrastructure

Stage 1 and Stage 2 Site Contamination Assessment

Tamworth Health Service Redevelopment: On-grade Carparks

Dean Street, Tamworth

Report No. RGS32576.1-AR 19 October 2022

REGIONAL GEOTECHNICAL SOLUTIONS



RG\$32576.1-AR

19 October 2022

RP Infrastructure Level 19, 9 Hunter Street SYDNEY NSW 2300

Attention: Yonis Ahmad

Dear Yonis

RE: Tamworth Health Service Redevelopment: On-grade Carparks – Dean Street, Tamworth

Stage 1 and Stage 2 Site Contamination Assessment

As requested, Regional Geotechnical Solutions Pty Ltd (RGS) has undertaken a Stage 1 and Stage 2 Site Contamination Assessment for the proposed on-grade carparks that are located at two locations within Tamworth Hospital at Dean Street, Tamworth NSW.

The assessment found that both locations are suitable for the proposed development in their current state from a contamination perspective.

The work presented herein was reviewed by Dr David Tully CEnvP SC. A copy of Dr Tully's letter pertaining to the review is appended to the report.

If you have any questions regarding this project, or require any additional consultations, please contact the undersigned.

For and on behalf of Regional Geotechnical Solutions Pty Ltd

Prepared by

Reviewed by

Louis Davidson Senior Geotechnical Engineer

Andre Ading

Andrew Hills Senior Environmental Engineer

Regional Geotechnical Solutions Pty Ltd ABN 51141848820 2 Murray Dwyer Circuit Mayfield West NSW 2304 Ph. (02) 6553 5641 Email <u>louis.d@regionalgeotech.com.au</u> Web: <u>www.regionalgeotech.com.au</u>

Table of Contents

1	INTRODUCTION		
	1.1	Background1	
	1.2	Objectives	
	1.3	Scope of Works	
	1.4	Site Identification	
2	SITE	DESCRIPTION	
	2.1	Topography and Drainage4	
	2.2	Geology5	
	2.2.1	Northern Site5	
	2.2.2	2 Southern Site	
	2.3	Hydrogeology5	
	2.4	Site History	
	2.4.1	Historical Aerial Photography6	
	2.4.2	2 Site Observations	
	2.4.3	NSW EPA Records	
	2.4.4	Land Title Search	
	2.4.5	5 Site History Summary	
3	FIELD	D AND LABORATORY INVESTIGATIONS	
	3.1	Sampling Plan	
	3.2	Field Work12	
	3.2.1	Laboratory Analysis12	
	3.3	Data Quality Objectives	
4	GUI	Delines and assessment criteria14	
5	QUA	LITY ASSURANCE / QUALITY CONTROL	
6	RESU	JLTS	
	6.1.1	Subsurface Conditions16	
	6.1.2	2 Laboratory Results	
	6.2	Conceptual Site Model	
	6.2.1	Potential Sources of Contamination17	
	6.2.2	2 Potential Exposure Pathways and Receptors	
	6.3	Discussion	
	6.4	Conclusions and Recommendations	
7	LIMI	TATIONS	

Figures

Figure 1	Site Location Plan
Figure 2	Site Layout Plan
Figure 3	Sample Location Plan: Northern Site
Figure 4	Sample Location Plan: Southern Site

Appendices

Appendix A	Site History Documentation
Appendix B	Results of Field Investigations
Appendix C	Laboratory Test Result Sheets
Appendix D	Letter from Dr David Tully CEnvP SC

1 INTRODUCTION

1.1 Background

Regional Geotechnical Solutions Pty Ltd (RGS) has undertaken Stage 1 and Stage 2 Site Contamination Assessments (SCA) for the proposed on-grade carparks at two locations within Tamworth Hospital at Dean Street, Tamworth NSW.

It is understood that two new on-grade carparks are being considered to accommodate the car spaces that will be lost in association with the A2 Banksia Unit development that is located in the northern portion of the hospital complex. The proposed development areas are illustrated below.



The hospital site is identified as Lot 1 DP 1181268 and occupies approximately 20 hectares. The two subject portions of the site consist of the northern site which occupies an area of approximately

Regional Geotechnical Solutions RGS32576.1-AR 19 October 2022



2,000m², and the southern site which occupies an area of approximately 3,500m². The layout of the subject areas are illustrated above and in the attached figures.

The Stage 1 and Stage 2 site contamination assessment is required to evaluate past and present potentially contaminating activities and contamination types and to assess the site's suitability for the proposed development from a contamination perspective.

1.2 Objectives

The objectives of the SCA were to:

- Characterise the nature and extent of soil contamination present at the two locations (if any);
- Assess the suitability of the sites for the proposed development; and
- Provide recommendations for on-site management, the need and options for remediation and any further investigation and testing that is required.

1.3 Scope of Works

In accordance with the relevant sections of the National Environmental Protection (Assessment of Site Contamination) Measure 1999 (Amended 2013), the assessment involved the following process:

- A brief study of site history, with the aim of identifying past activities on or near the site that might have the potential to cause contamination;
- Review of available recent and historical aerial photography for the last 50 years;
- A search of NSW EPA records, or contaminated land notifications on the site;
- Government records of groundwater bores in the area;
- Site walkover to assess visible surface conditions and identify evidence of contamination, or past activities that may cause contamination;
- Using the above information, characterise the sites into Areas of Environmental Concern, in which the potential for contamination has been identified, and nominate Chemicals of Concern that might be associated with those activities;
- Undertake targeted sampling and analysis at the selected Areas of Concern to evaluate the presence and extent of contamination (if any);
- Analyse samples for a suite of potential contaminants associated with the past activities; and
- Evaluate the results against industry accepted criteria for residential land use with minimal opportunities for soil access (Residential B land use guideline criteria have been adopted for this assessment as a conservative measure).

1.4 Site Identification

General site information is provided below in Table 1. The site location is shown in Figure 1.



Regional Geotechnical Solutions RGS32576.1-AR 19 October 2022

Table 1: Summary of Site Details

Site location:	Dean Street, Tamworth	
Approximate site area:	20 Hectares (total site) 2,000m² (proposed northern on-grade carpark) 3,500m² (proposed southern on-grade carpark)	
Title Identification Details:	Lot 1 DP 1181268	
Current Ownership:	Health Administration Corporation	
Current Landuse:	Healthcare facility (hospital)	
Proposed Landuse:	Ongoing healthcare facility	
Adjoining Site Uses:	 Within hospital, northern: North, Aged Care Assessment Team East, hospital buildings and existing on-grade carpark South, rehabilitation ward West, access road/existing on-grade carpark Within hospital, southern: North, hospital building East, vacant land South, Johnston Street West, existing on-grade carpark Surrounding area: Vacant land to the north South of Johnston Street, Tamwell Medical Centre and residential properties East of Smith Street, vacant land/carparks West of Dean Street, Tamworth Correctional Centre 	
Government Area:	Tamworth Regional Council	

2 SITE DESCRIPTION

2.1 Topography and Drainage

The sites are located within Tamworth Hospital, off Dean Street, Tamworth.

The sites are located within undulating residual topography on a south facing hill. The surrounding slopes generally grades at about 5° to 8°.

Regional Geotechnical Solutions RGS32576.1-AR 19 October 2022



The northern site is located on the mid slope of the south facing hill. Some cut/fill earthworks have been undertaken to create flat pads for the two masonry buildings located to the east of the proposed development area. Vegetation comprises grass and scattered trees, and there is a small garden bed in the southwest corner.

The southern site is located on the foot slopes of the south facing hill. The area is vacant. There is an on-grade sealed carpark to the north and a hospital building to the northeast. Vegetation comprises grass and scattered trees. There is a large garden bed in the southwest corner that is mulched and comprise a variety of small to large trees.

2.2 Geology

Reference to the 1:250,000 Geology Map of Tamworth indicates that the subject site is underlain by the Moore Creek Limestone Member that comprises cherty argillite, limestone, greywacke, and mudstone.

The materials encountered during the investigation are summarised below. Further details are presented on the attached engineering logs (Appendix B).

2.2.1 Northern Site

Fill:	Gravelly CLAY and Silty CLAY, medium plasticity, fine to coarse grained, with some cobbles up to 150mm in size to depths ranging from 0.3m to 1.0m;
Topsoil:	Gravelly CLAY, medium plasticity, fine grained angular gravel, with some roots to a depth of 0.2m (TP-N3 only);
Colluvial Soil:	Silty CLAY and Gravelly CLAY, medium plasticity, fine to medium grained angular gravel, very stiff to hard to at least 1.4m.

2.2.2 Southern Site

Fill:	Gravelly CLAY and Silty Sandy CLAY, medium plasticity, with some fragments of foreign material including wire, broken tiles, timber, and concrete to depths ranging from 0.35m to 0.7m;
Topsoil:	Clayey SILT, with rootlets to a depth of 0.3m (TP-S3 only);
Colluvial Soil:	Silty CLAY and Gravelly CLAY, medium plasticity, fine to medium grained angular gravel, very stiff to hard to at least 1.2m in TP-S1 to TP-S3; overlying
EW to HW Siltstone:	SILTSTONE, very low to low strength, highly fractured to at least 1.0m (encountered in TP-S4 only).

2.3 Hydrogeology

A groundwater bore search on the NSW Water Information website, <u>http://waterinfo.nsw.gov.au/gw/</u> indicates there is a licenced groundwater bore (GW057928) located within the hospital approximately 50m northeast of the southern site. The drill records indicate a water bearing zone of 26.2m to 26.5m. There is an additional bore (GW052834) located



to the west that recorded a water bearing zone of 24.5m to 34m. The bore locations are shown on Diagram 2 below.

Based on RGS' experience in the region, regional groundwater depth in this area is typically about 10m below ground surface in the vicinity of the hospital.



Diagram 2: Licensed groundwater bores located within the hospital complex to the east of the southern site and to the west of the hospital.

2.4 Site History

2.4.1 Historical Aerial Photography

Available aerial photographs of the site were reviewed to assist in identifying past land uses that may contribute to site contamination. The results of the review are summarised in Table 2.

Year	Site	Surrounding Land
1976	The hospital site has been developed with some buildings similar to the existing hospital layout. The northern and southern sites are vacant. The carpark to the northeast and building to the northwest have already been constructed.	Land surrounding the hospital is occupied by residential developments to the south and west. Vacant to the north and east.
1984	A carpark has been constructed to the east of the northern site. Southern site is unchanged.	Additional/upgrades to hospital buildings have been undertaken. Surrounding area is similar to the previous photograph.
1989	Building constructed to the south of the northern site. Southern site is unchanged.	Minor upgrades to hospital roads and buildings, and increased vegetation. Surrounding area is similar to the previous photograph.
2013 (Google Earth)	New buildings constructed in northern portion of the northern site and directly to the east, and carpark to the west. Demountable building has been placed in the northeast corner of the southern site. Entries to the adjacent carpark have been constructed off Johnston Street and Dean Street.	New buildings constructed/upgraded around hospital. Continued residential developments to the south and west of the hospital. Carpark and other earthworks undertaken to the east.
2015 (Google Earth)	Both sites similar to the previous photograph.	Upgrades in hospital roads and buildings. Area surrounding the hospital is simar to the previous photograph.
February 2016 (Google Earth)	Building upgrades directly to east of the northern site. Entries roads removed from carpark next to southern site.	Similar to the previous.
October 2017 (Google Earth)	Building in northern portion of the northern site demolished/removed. Southern site similar to previous.	Similar to the previous.

Table 2 - Aerial Photograph Summary



March 2020 (Google Earth_	Northern site similar to previous. Demountable building removed from the southern site.	
2022 (Google Earth)	Minor variation in vegetation. Grass has grown over the pad where the demountable building was located in the southern site.	Similar to the previous.

2.4.2 Site Observations

Field work was undertaken on 28 September 2022. Observations from a contamination perspective made during the site visit are summarised below:

- Both northern and southern sites are vegetated with grass, minor cut/fill earthworks have been undertaken in both locations;
- Some buried materials including wire, broken tiles, timber, and concrete were observed in some test pits excavated in the southern site including TP-S1, TP-S2, and TP-S4;
- No other visual (such as oil staining) or olfactory evidence of contamination was observed;
- No materials suspected of being Asbestos Containing Materials (ACM) were identified.

A selection of images of the northern and southern sites are presented below.



Cut/fill in northern section of the northern site.



Looking north over the southern portion of the northern site.



the northern site.

the northern site.



Looking west over the southern site where the demountable building was previously located.

Looking northeast over the southern site.



2.4.3 NSW EPA Records

A check with the NSW Office of Environment and Heritage website (<u>www.environment.nsw.gov.au</u>) revealed that no notices have been issued on the site under the Contaminated Land Management Act (1997).

2.4.4 Land Title Search

A list of past registered proprietors and trustees of the site was obtained from the Land Titles Office. A summary of the title details is included in Appendix A.

The title history search revealed the following:

1882 – 1931	Philip Gidley King
	David Williamson Irvine



	Nathan Cohen
	Daniel Regan
	Thomas Matthew Newman
	(Trustees of Public Hospital Tamworth)
1931 - 1931	Thomas Matthew Newman
	(Trustee of Public Hospital Tamworth)
1931 – 1991	The Tamworth District Hospital
1991 – 1998	The Tamworth Base Hospital
1998 – 2013	New England Health Services
	(Formerly The Tamworth Base Hospital)
2013 – to date	Health Administration Corporation

2.4.5 Site History Summary

Based on available data the chronological development of the site is summarised below:

- The land has been owed by the hospital or trustees of the hospital since 1882;
- The general layout of the hospital and some of the existing hospital buildings were constructed prior to 1976;
- Some buildings and carparks have been constructed and upgraded in the vicinity of both locations;
- A building (constructed post 1989) was located in the northern portion of the northern site and was demolished between 2016 and 2017;
- Entries to the carpark adjacent to the southern site previously went through the site but were removed and revegetated between 2015 and 2016; and
- A demountable building was located in the northeast corner of the southern site between 2013 and 2020.

3 FIELD AND LABORATORY INVESTIGATIONS

3.1 Sampling Plan

The NSW EPA (2022) Sampling design part 1 - application recommend a minimum of 8 sampling locations to characterise a site of 2,000m² (northern site) and a minimum of 10 sampling locations to characterise a site of 3,500m² (northern site) by systematic sampling.



Based on the above, 36 soil samples (18 jar samples and 18 bag samples) were collected from 18 test pits.

3.2 Field Work

Field work for the assessment was undertaken on 28 September 2022 and included:

- Site walkover to assess visible surface conditions and identify evidence of contamination, or past activities that may cause contamination (if any);
- The excavation of four test pits with a 5 tonne excavator, designated TP-N1 to TP-N4 and four additional shallow test pits with hand tools from the northern site;
- The excavation of five test pits with a 5 tonne excavator, designated TP-S1 to TP-S5 and five additional shallow test pits with hand tools from the southern site;
- The test pits were logged and sampled by a Senior Geotechnical Engineer from RGS.

The locations of the sampling points are shown on Figure 3 and Figure 4. They were obtained on site and located by measurement relative to existing site features.

Soil samples were taken from the fill and the underlying natural material using disposable gloves sampling out of the centre of the excavator bucket. The samples were collected in acid-rinsed 250mL glass jars and zip lock bags and placed in an ice-chilled cooler box.

3.2.1 Laboratory Analysis

Samples were transported under chain-of-custody conditions to ALS Laboratory Group and Environmental Analysis Laboratory, Southern Cross University, NATA accredited specialist chemical testing laboratories, to be analysed for the following suite of contaminants:

- Polycyclic Aromatic Hydrocarbons (PAH);
- Total Recoverable Hydrocarbons (TRH);
- Benzene, Toluene, Ethyl-benzene, Xylenes (BTEX);
- Organochlorine and Organophosphorus Pesticides (OC/OPs);
- Heavy metals (arsenic, cadmium, chromium, cobalt, copper, lead, mercury, and zinc);
- Polychlorinated Biphenyls (PCB); and
- Presence and quantification of asbestos.

The results are presented in Appendix C.

3.3 Data Quality Objectives

The Data Quality Objectives (DQOs) are presented in Table 3.

Table 3 – Data Quality Objectives

DQO	Details of Process
State the Problem	A Stage 1 and Stage 2 SCA is required to assess the suitability of the sites for the proposed on-grade carparks from a contamination perspective.
Identify the Decision	 The principal study questions that are: What is the nature and extent of soil contamination on the subject land (if any)?; and Is the land suitable for the proposed hospital carpark redevelopment from a contamination viewpoint?
Identify Inputs to the Decision	 The primary inputs are: Site history study; Site walkover assessment; Chemical analysis of selected soil samples; and Results summary.
Define the Boundary of the Assessment	 The spatial boundaries are limited to the proposed on-grade carpark boundaries as shown on Figure 2; The investigation and screening levels for a Residential B land use scenario (limited access to soil) as a conservative measure.
Develop a Decision Rule	 The decision rules for the investigation are: If concentrations of contaminants in soil exceed the adopted investigation and screening levels for a Residential B land use scenario (as a conservative measure), then further assessment may be required; Decision criteria for QA/QC measures are defined in Section 5. A decision on the acceptance of analytical data will be made on the basis of the data quality indicators (DQIs) in the context of precision, accuracy, representativeness, completeness and comparability (PARCC) parameters as follows: Precision: NATA registered laboratories were used following NATA endorsed methods. An appropriate number of intralaboratory and inter-laboratory samples were collected and analysed (following ASC NEPM guidance), the results of which are considered to be satisfactory; Accuracy: The laboratory limit or reporting (LOR) was appropriate for the screening criteria utilised. NATA registered laboratories were used following samples were used following samples including appropriate method blanks, laboratory control samples, laboratory spikes and duplicates the results of which are considered to be satisfactory.



	 Representativeness – The samples were received by the laboratories in good condition. The data obtained is considered to be representative of the soils present on site; Completeness – Experienced field staff were utilised to undertake the sampling and keep appropriate documentation. Samples were in proper custody between the field and reaching the laboratory. The laboratories performed the tests requested. The data obtained from the field investigations is considered to be relevant and usable; and Comparability – Sample holding times were met and samples were properly and adequately preserved. Field sampling and handling procedures were followed. The data collected is considered to be comparable.
Specify Acceptable Limits on Decision Errors	 Acceptable limits for QA/QC measures are defined in Section 5; Acceptable investigation and screening levels are those for a Residential B land use scenario; and Specific limits are in accordance with the appropriate NSW EPA guidelines including indicators of data quality and standard procedures for field sampling and handling.
Optimise the Design for Obtaining Data	Based on the above steps of the DQO process. The design for obtaining the required data (i.e., proposed field and laboratory investigations) is presented in Section 3.1.

4 GUIDELINES AND ASSESSMENT CRITERIA

Assessment as outlined in NSW EPA Guidelines for Consultants Reporting on Contaminated Land (2020).

To evaluate results, and for guidance on assessment requirements, the assessment adopted the guidelines provided in the National Environment Protection (Assessment of Site Contamination) Measure as amended in 2013 (NEPM 2013). The NEPM document provides a range of guidelines for assessment of contaminants for various land use scenarios.

The proposed future land use is for an ongoing rural healthcare facility. As such, comparison with the NEPM guideline Health Investigation and Screening Levels for Residential B (high rise buildings and apartments with limited access to soil) land use is considered appropriate for this site as a conservative measure. In accordance with the NEPM guideline the following criteria were adopted for this assessment:

- Health Investigation Levels (HILs) for Residential 'B' land use (HIL-B) were used to assess the
 potential human health impact of heavy metals and polycyclic aromatic hydrocarbons
 (PAHs);
- Health Screening Levels (HSLs) for coarse textured (sand) or fine textured (silt and clay) soils on a Residential B site were adopted as appropriate for the soils encountered to assess the potential human health impact of petroleum hydrocarbons and benzene, toluene, ethylbenzene and xylene (BTEX) compounds;



- Ecological Investigation Levels (EILs) for urban residential and public open space land use were used for evaluation of the potential ecological / environmental impact of heavy metals and PAHs;
- Ecological Screening Levels (ESLs) for coarse textured (sand) soils or fine textured (silt and clay) soils on a Residential B land use site were adopted as appropriate for the soils encountered, to assess the potential ecological / environmental impact of petroleum hydrocarbons and BTEX compounds.

In accordance with NEPM 2013, exceedance of the respective criteria does not necessarily deem that remediation or clean-up is required but is a trigger for further assessment of the extent of contamination and associated risks. The adopted criteria are presented in the results summary table in Appendix C.

5 QUALITY ASSURANCE / QUALITY CONTROL

Samples were obtained using industry accepted protocols for sample treatment, preservation, and equipment decontamination. Sampling equipment was decontaminated between sample locations and a clean pair of nitrile gloves used for the collection of each sample into laboratory supplied glass sampling jars.

Samples were placed on ice on-site and maintained on ice during transport to the testing laboratories. Two duplicate samples were collected and submitted to the laboratory for analysis for quality control purposes as follows:

- Duplicate (N-D1) and Triplicate (N-T1)– Replicate of primary sample TP-N4; and
- Duplicate (S-D1) and Triplicate (S-T1)– Replicate of primary sample TP-S5.

The Relative Percent Differences (RPDs) were calculated for the duplicate and triplicate samples and are presented in the results summary table in Appendix B.

The duplicate and triplicate RPDs were within the control limit of 40% (with the exception of Arsenic in sample TP-N4 and triplicate sample N-T1) and indicated generally good correlation between the primary and duplicate samples.

It is noted that low analyte concentrations exaggerate the percentage differences with respect to small total concentration differences, therefore where results for the primary, duplicate, and triplicate, were less than 10 times the laboratory limit of reporting (LOR), the RPDs have been disregarded. The RPD for arsenic in sample TP-N4, which exceeded the 40% control limit as outlined above were disregarded on this basis. It is also noted that some elevated levels of TRH and PAH compounds were found in triplicate sample S-T1 analysed at the secondary laboratory and not in the primary sample, however, the levels were below the LOR of the primary laboratory.

In addition to the field quality control procedures, the laboratory conducted internal quality control testing including surrogates, blanks, and laboratory duplicate samples. The results are presented with the laboratory test results in Appendix C.

All laboratory quality control data is within acceptable limits for the tests carried out. Therefore, on the basis of the results of the field and laboratory quality control procedures and testing, the data is considered to reasonably represent the concentrations of contaminants in the soils at the sample locations at the time of sampling and the results can be adopted for this assessment.

6 **RESULTS**

6.1.1 Subsurface Conditions

The soil types recorded in surface samples are summarised below in Table 4.

Table 4: Summary of Subsurface Conditions (Surface Samples)

Sample ID	Description
TP-N1 0.05 – 0.1	Fill: Gravelly CLAY
TP-N2 0.05 – 0.1	Fill: Sandy CLAY
TP-N3 0.9 – 1.0	Colluvial Soil: Gravelly CLAY
TP-N4 0.1 – 0.2	Fill: Gravelly CLAY
TP-N5 0.05 – 0.1	Fill: Gravelly CLAY
TP-N6 0.1 – 0.2	Fill: Gravelly CLAY
TP-N7 0.05 – 0.1	Fill: Gravelly CLAY
TP-N8 0.05 – 0.1	Fill: Gravelly CLAY
TP-S1 0.3 – 0.35	Fill: Gravelly CLAY
TP-S2 0.2 – 0.3	Fill: CLAY with gravel
TP-S3 0.1 – 0.2	Topsoil: Clayey SILT
TP-S4 0.1 – 0.2	Fill: Sandy Silty CLAY
TP-S5 0.1 – 0.2	Fill: Gravelly CLAY
TP-S6 0.1 – 0.2	Fill: Sandy CLAY
TP-S7 0.1 – 0.2	Colluvial Soil: Gravelly CLAY
TP-S8 0.05 – 0.1	Colluvial Soil: Gravelly CLAY
TP-S9 0.1 – 0.2	Colluvial Soil: Gravelly CLAY
TP-S10 0.1 – 0.2	Colluvial Soil: Gravelly CLAY

6.1.2 Laboratory Results

An appraisal of the laboratory test results presented in Appendix C is provided below with reference to the adopted soil investigation and screening levels discussed in Section 4.

- Concentrations of heavy metals were either below the laboratory limit of reporting or below the adopted health investigation criteria for a Residential B site in each of the samples analysed;
- Concentrations of TRH, PAH and BTEX were below the laboratory limit of reporting in each of the samples analysed except sample TP-S5 0.1-0.2 that had elevated levels of TRH C₁₆-C₃₄ fraction, and sample TP-S7 0.1-0.2 that had elevated levels of TRH C₁₆-C₃₄ fraction and TRH C₃₄-C₄₀ fraction, however the levels were well below the adopted ecological investigation criteria and management limits for a Residential (B) site;
- Concentrations of PCB and OC/OP pesticides were either below the laboratory limit of reporting or below the adopted health investigation criteria for a Residential B site in each of the samples analysed; and
- Asbestos was not detected in the remaining soil samples.

6.2 Conceptual Site Model

Based on the site observations and knowledge obtained about site activities as outlined above, a conceptual site model (CSM) has been developed.

6.2.1 Potential Sources of Contamination

Potential Areas of Environmental Concern (AECs) and Chemicals of Concern (COCs) identified for the assessment are outlined in Table 5 and Table 6.

AEC	Mode of Potential Contamination	Potential COCs	Likelihood of Contamination
AEC1: Soils in the vicinity of structures previously demolished	Potentially hazardous building materials	Lead and asbestos	Moderate
AEC2: Fill from cut to fill earthworks	Importation of potentially contaminated fill	Heavy Metals, TPH, BTEX, PAH, PCB, OC/OPP and asbestos	Low to moderate
AEC3: Vegetated areas	Pesticides used for general landscape upkeep.	OC/OPP	Low to moderate

 Table 5: Potential AECs and COCs Northern Site



Heavy Metals - Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel and Zinc BTEX - Benzene, Toluene, Ethylbenzene and Xylene TPH - Total Petroleum Hydrocarbons PAH – Polycyclic Aromatic Hydrocarbons PCB – Polychlorinated Biphenyls OC/OPP – Organochlorine and Organophophorus Pesticides

Table 6: Potential AECs and COCs Southern	Site
---	------

AEC	Mode of Potential Contamination	Potential COCs	Likelihood of Contamination	
AEC1: Soils in the vicinity of demountable building previously located on site	Potentially hazardous building materials	Lead and asbestos	Moderate	
AEC2: Fill encountered throughout site	Importation of potentially contaminated fill	Heavy Metals, TPH, BTEX, PAH, PCB, OC/OPP and asbestos	Low to moderate	
AEC3: Previously vegetated areas	Pesticides used for general landscape upkeep.	OC/OPP	Low to moderate	
AEC4: Previous carpark entry roads	Oil spills or fuel spills	TPH, BTEX, PAH, Heavy metals	Low to moderate	
Heavy Metals - Arsenic, Cadmiur BTEX - Benzene, Toluene, Ethylbe TPH - Total Petroleum Hydrocarbo PAH – Polycyclic Aromatic Hydro PCB – Polychlorinated Biphenyls OC/OPP – Organochlorine and O				

The approximate locations of the AEC's are shown on Figure 3 and Figure 4.

6.2.2 Potential Exposure Pathways and Receptors

Based on the site observations and knowledge obtained about site activities as outlined above, potential exposure pathways and receptors identified for the assessment of both sites are summarised in Table 7.

Chemicals of Concern	Key Pathways	Key Receptors		
Asbestos, heavy metals	Generation of dust during earthworks which is inhaled	Onsite - Construction and site workers Offsite - Adjacent sites		
Asbestos, heavy metals, TPH, BTEX, PAH, PCB, OC/OPP	Skin contact / ingestion, plant uptake	Onsite - Construction and site workers, future site users, vegetation in landscaped areas		
Heavy Metals, TPH, BTEX, PAH, PCB, OC/OPP	Surface runoff and leaching of soils	Offsite - Surface water ecosystems and users		
Heavy Metals - Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel and Zinc BTEX - Benzene, Toluene, Ethylbenzene and Xylene TPH - Total Petroleum Hydrocarbons PAH – Polycyclic Aromatic Hydrocarbons PCB – Polychlorinated Biphenyls OC/OPP – Organochlorine and Organophophorus Pesticides				

Table 7: Potential Exposure Pathways and Receptors

6.3 Discussion

A Stage 1 and Stage 2 SCA was required to assess the site's suitability for future development of ongrade carparks in both northern and southern locations from a contamination perspective.

The site history study indicates that the hospital layout has changed several times since initial construction. Some buildings and roads have previously been located in both locations.

Identified AEC's included soils in the vicinity of the structures previously demolished, fill placed for pads for buildings, vegetated areas, and areas of previous carpark entry roads.

No visual or olfactory evidence of contamination (such as oil staining or hydrocarbon odours) were observed, however, some buried materials including wire, broken tiles, timber, and concrete were observed in some test pits excavated in the southern site. No ACM was observed within the test pits or elsewhere across the site. Samples TP-S1 0.3-0.35m, TP-S2 0.2-0.3m, and TP-S4 0.1-0.2m were sampled from the soil surrounding the buried material.

The results of laboratory analysis of surface soil samples collected from four targeted locations (AEC's outlined above), revealed concentrations of the chemicals of concern were either below the laboratory reporting limit, or below the adopted health investigation criteria for a Residential B site.

Some elevated concentrations of TRH above the laboratory reporting limits were encountered in samples obtained from TP-S5 0.05-0.1m (C_{16} - C_{34} fraction) and TP-S7 0.1-0.2m (C_{16} - C_{34} fraction and TRH C_{34} - C_{40} fraction), however, the levels were well below the adopted ecological investigation criteria and management limits for a Residential (B) site.

Asbestos was not detected in any of the soil samples tested.



6.4 Conclusions and Recommendations

Based on the above and the findings of the Stage 1 and Stage 2 site SCA presented herein, the soils tested meets the requirements for a Residential B site as detailed in the NEPM 2013 guidelines and both northern and southern sites are considered suitable for the proposed carpark developments in their current state from a contamination perspective.

Should potential evidence of site contamination be identified during development activities, such as soil staining, buried materials, odours or possible ACM, then a site contamination specialist should be contacted for advice without delay.

7 LIMITATIONS

This report comprises the results of an investigation carried out for a specific purpose and client as defined in the document. The report should not be used by other parties or for purposes or projects other than those assumed and stated within the report, as it may not contain adequate or appropriate information for applications other than those assumed or advised at the time of its preparation. The contents of the report are for the sole use of the client and no responsibility or liability will be accepted to any third party. The report should not be reproduced either in part or in full, without the express permission of Regional Geotechnical Solutions Pty Ltd.

Contaminated site investigations are based on data collection, judgment, experience, and opinion. By nature, these investigations are less exact than other engineering disciplines. The findings presented in this report and used as the basis for the recommendations presented herein were obtained using normal, industry accepted practises and standards. To our knowledge, they represent a reasonable interpretation of the general condition of the site. Under no circumstances, however, can it be considered that these findings represent the actual state of the site at all points.

Recommendations regarding ground conditions referred to in this report are estimates based on the information available at the time of its writing. Estimates are influenced and limited by the fieldwork method and testing carried out in the site investigation, and other relevant information as has been made available. In cases where information has been provided to Regional Geotechnical Solutions for the purposes of preparing this report it has been assumed that the information is accurate and appropriate for such use. No responsibility is accepted by Regional Geotechnical Solutions for inaccuracies within any data supplied by others.

If site conditions encountered during construction vary significantly from those discussed in this report, Regional Geotechnical Solutions Pty Ltd should be contacted for further advice.

This report alone should not be used by contractors as the basis for preparation of tender documents or project estimates. Contractors using this report as a basis for preparation of tender documents should avail themselves of all relevant background information regarding the site before deciding on selection of construction materials and equipment.

If you have any questions regarding this project, or require any additional consultations, please contact the undersigned.

For and on behalf of Regional Geotechnical Solutions Pty Ltd

Prepared by

Louis Davidson Senior Geotechnical Engineer

Reviewed by

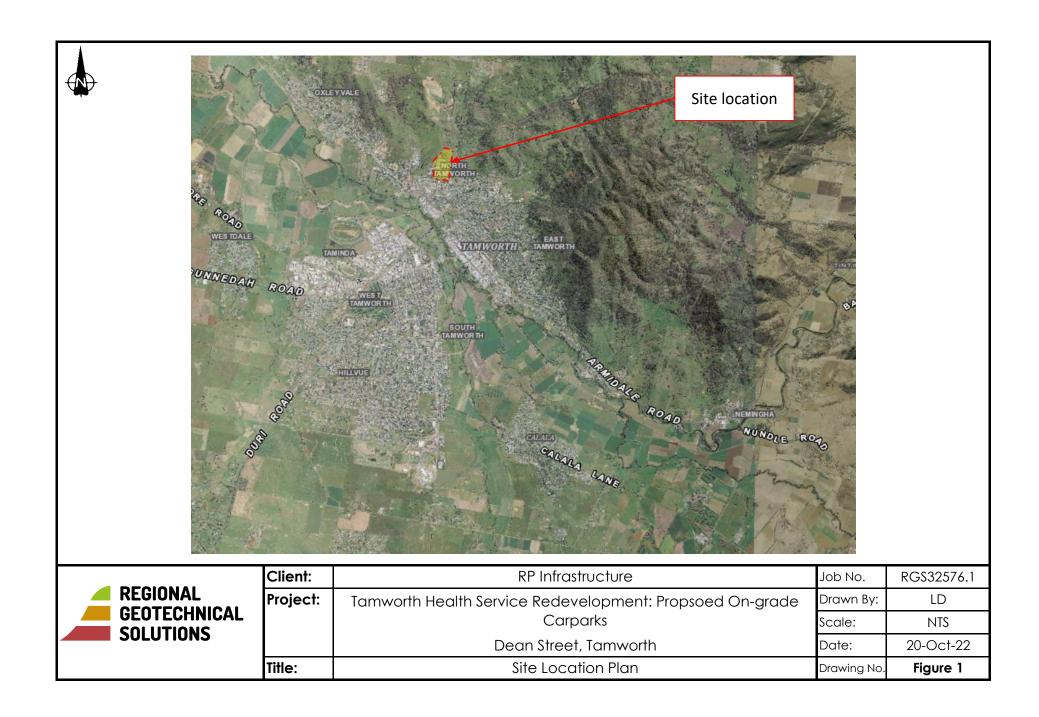
Andre May

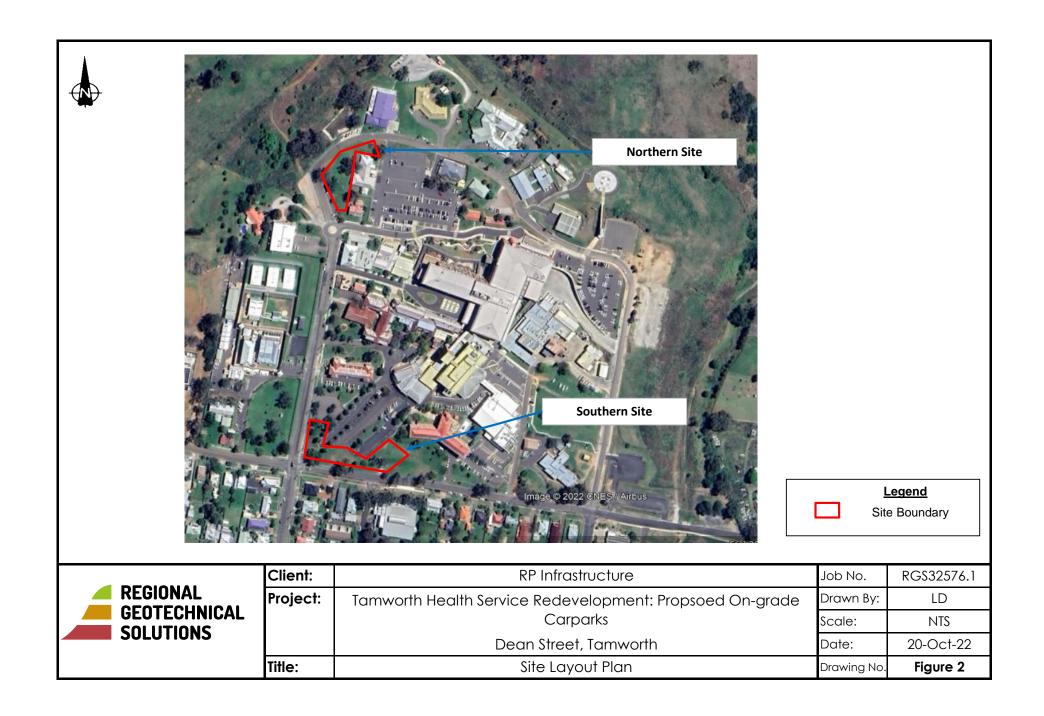
Andrew Hills Senior Environmental Engineer

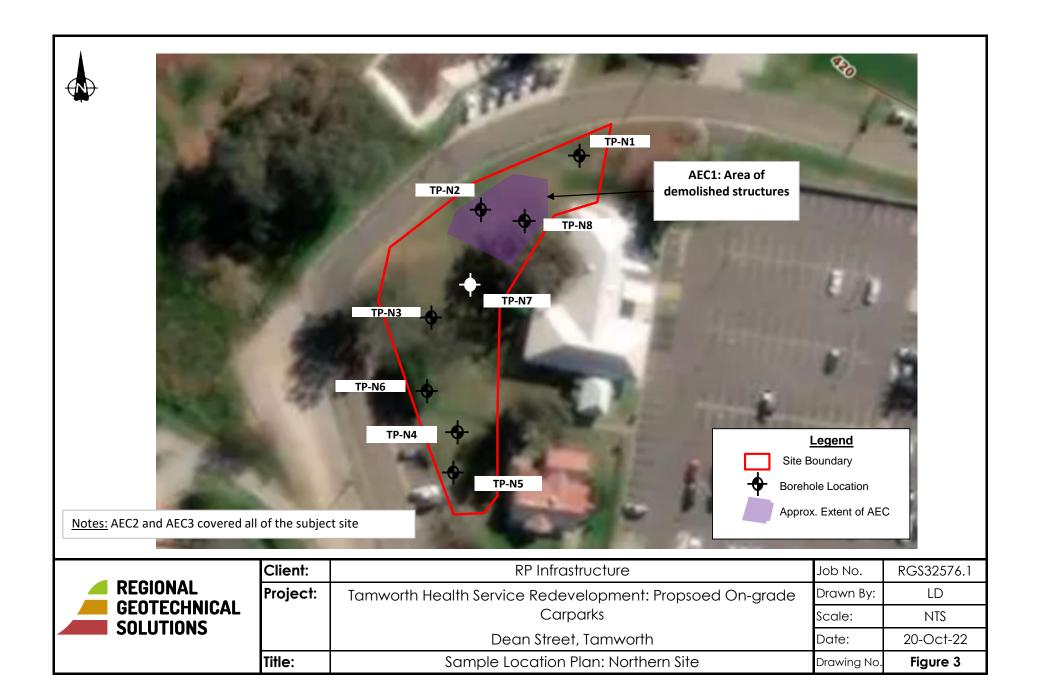


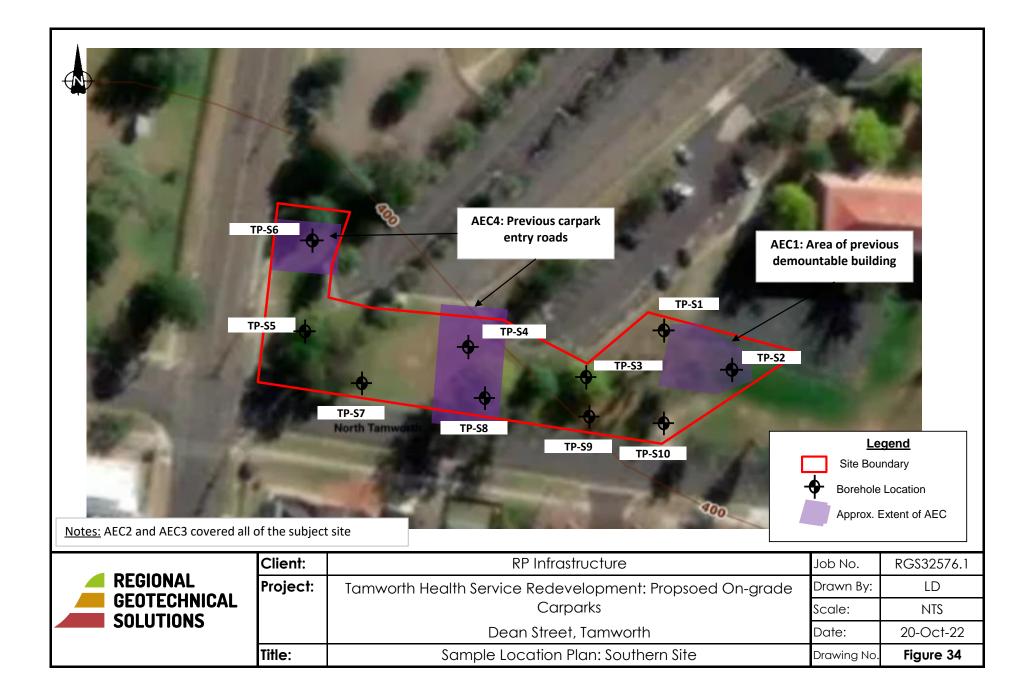
Figures

Regional Geotechnical Solutions RGS32576.1-AR 19 October 2022







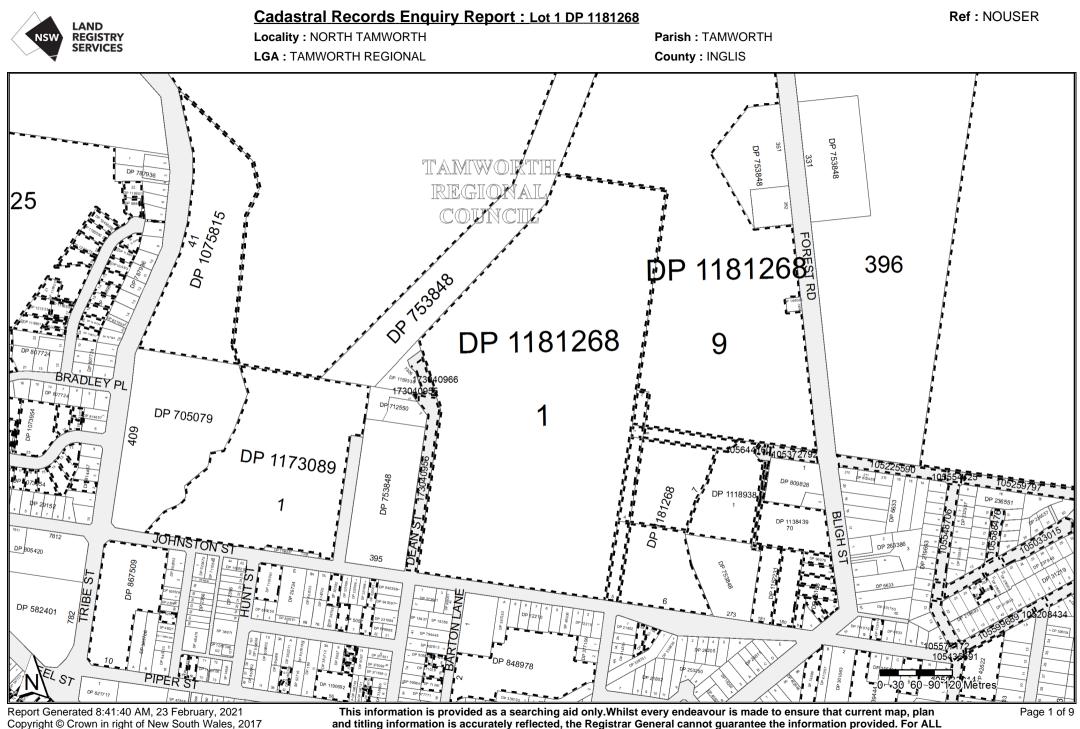




Appendix A

Site History Documentation

Regional Geotechnical Solutions RGS32576.1-AR 19 October 2022



ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps

LAND	Cadastral Records Enquiry Report : Lot		<u>1 DP 1181268</u>	Ref : NOUSER
NSW REGISTRY SERVICES	Locality : NORTH TAMWORTH		Parish : TAMWORTH County : INGLIS	
· ·	Status	Surv/Comp	-	
DP5057	Status	Survicomp	Purpose	
Lot(s): 6				
P1251197	WITHDRAWN	UNAVAILABLE	EASEMENT	
Lot(s): 8	REGISTERED	SURVEY	REDEFINITION	
DP25168	REGIOTERED	OORVET		
Lot(s): 2, 3, 4, 5, 6, 8				
PD222001	REGISTERED	SURVEY	SUBDIVISION	
DP322001 Lot(s): 1				
🖳 DP1251197	WITHDRAWN	UNAVAILABLE	EASEMENT	
DP371028				
Lot(s): 7B	WITHDRAWN	UNAVAILABLE	CONSOLIDATION	1
DP392344		ONNIERDEE	CONCOLIDINI	•
Lot(s): 6B				
PD50505	WITHDRAWN	UNAVAILABLE	CONSOLIDATION	l
DP505056 Lot(s): 2				
DP1167165	WITHDRAWN	UNAVAILABLE	CONSOLIDATION	l
DP626018				
Lot(s): 4	PRE-ALLOCATED	UNAVAILABLE	REDEFINITION	
DP710383	TREALOGATED	UNAVAILADEL	REDEFINITION	
Lot(s): 2				
PD01127918	REGISTERED	SURVEY	SUBDIVISION	
DP814457 Lot(s): 2				
DP1073954	REGISTERED	SURVEY	SUBDIVISION	
DP848978				
Lot(s): 2 RETIREMENT V	ILLAGE. VILLAS 1-36 SHOWN			
DP867509				
Lot(s): 10				
PD1000004	REGISTERED	SURVEY	EASEMENT	
DP1026894 Lot(s): 251, 252				
P219693	HISTORICAL	SURVEY	SUBDIVISION	
DP1062507				
Lot(s): 61, 62	HISTORICAL	COMPILATION	SUBDIVISION	
Lot(s): 62	THOTOTORIE		CODDITION	
🗋 🖳 DP2356	HISTORICAL	COMPILATION	UNRESEARCHED)
DP1065791				
Lot(s): 41, 42	HISTORICAL	SURVEY	UNRESEARCHED)
DP1073954				
Lot(s): 24	DECIOTEDED			
DP1140190 Lot(s): 10, 12, 13, 14, 15, 10	REGISTERED	SURVEY	SUBDIVISION	
DP814457	HISTORICAL	SURVEY	SUBDIVISION	
Lot(s): 25				
DP778289	HISTORICAL	SURVEY	SUBDIVISION	
DP1075815 Lot(s): 41				
DP705079	HISTORICAL	SURVEY	CROWN FOLIO C	REATION
DP1081866				
Lot(s): 101, 102, 103	HISTORICAL	SURVEY	UNRESEARCHED	
E DF 3037	HIGTORICAL	SURVET	UNRESEARCHEL	

 Caution:
 This information is provided as a searching aid only. Whilst every endeavour is made the ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For ALL

 ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps.

Report Generated 8:41:40 AM, 23 February, 2021 Copyright © Crown in right of New South Wales, 2017

NSW REGIS	TRY L	Cadastral Records Enquiry Report : Lo Locality : NORTH TAMWORTH		Parish : TAMWORTH		
SERVICES		.GA : TAMWORTH REGION	IAL	County : INGLIS		
		Status	Surv/Comp	Purpose		
101001						
): 1						
🦳 DP2973	34	HISTORICAL	SURVEY	UNRESEARCHED		
113727						
): 111, 112	67	HISTORICAL	SURVEY	SUBDIVISION		
DP8144		HISTORICAL		SUBDIVISION		
🧧 DP1073	5954	HISTORICAL	SURVEY	SUBDIVISION		
14638						
): 51 Image: 51 (24) (24) (24) (24) (25) (25) (25) (25) (25) (25) (25) (25	165	HISTORICAL	COMPILATION	SUBDIVISION		
E DP1024		HISTORICAL	SURVEY	SUBDIVISION		
🧕 DP1031	338	HISTORICAL	SURVEY	SUBDIVISION		
18938						
): 1 📮 DP7538	848	HISTORICAL	COMPILATION	CROWN ADMIN N	0	
E DP1099		HISTORICAL	SURVEY	ROADS ACT, 1993	-	
)	
	V GAZ.	- SEE AD462184	007	Folio : 7235		
	0008000	- OLL AD402104				
): 1, 3 🐙 NSV	V GAZ.	11-07-2	008	Folio : 6941		
	D ROAD	11-07-2	000	1 010 . 0341		
		DP1118938				
): 2						
	V GAZ.	08-02-2	008	Folio : 672		
CLOSE	D ROAD					
LOT 2 [DP1118938					
19787						
): 2						
	V GAZ.	22-02-2	008	Folio : 1160		
	DP1119787					
127918): 97, 98						
). 97, 98 IDP5347	738	HISTORICAL	SURVEY	SUBDIVISION		
38439	50	HIGTORIEAE	SOICET	SOBDIVISION		
): 70						
, 10 🖳 DP7538	348	HISTORICAL	COMPILATION	CROWN ADMIN N	0.	
📮 DP1118		HISTORICAL	COMPILATION	CROWN FOLIO C		
	V GAZ.	28-12-2		Folio : 10758		
	D ROAD	20-12-2	001	1010.10730		
	DP1118603					
40190						
): 221, 222						
É 🖳 DP8144	57	HISTORICAL	SURVEY	SUBDIVISION		
🧧 DP1073		HISTORICAL	SURVEY	SUBDIVISION		
152231						
): 181						
🧴 🖳 DP1119	787	HISTORICAL	COMPILATION	ROADS ACT, 1993	3	
👼 NSV	V GAZ.	21-12-2	007	Folio : 9993		
	D ROAD					
	DP1119787					
): 180, 181						
🖳 DP7538	348	HISTORICAL	COMPILATION	CROWN ADMIN N	0.	
): 180						
🐙 NSV	V GAZ.	16-08-2		Folio : 3777		
				D HOUSING CORPORATION		

 Caution:
 This information is provided as a searching aid only. Whilst every endeavour is made the ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For ALL

 ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps.

Cadastral Records Enquiry Report : Lot 1 DP 1181268

Ref: NOUSER

LAND		Cauastral Necords Enquiry Report. Lot 1 DF 1181200				
NSW REGISTRY SERVICES	Locality : NORTH TAMWORTH Parish : TAMWORTH					
	LGA : TAMWORTH REGION	41	County : INGLIS			
•				-		
		Status	Surv/Comp	Purpose		
DP115814	6					
_ot(s): 730-						
	NSW GAZ.	22-07-20		Folio : 2048		
		OF RESERVATION OF CROWN				
ę	96144 - LOTS 4	135-436 DP1054103 AND LOT 7	304 DP1158146			
P1168984	4					
	13, 14, 15, 16					
	DP787936	HISTORICAL	SURVEY	SUBDIVISION		
P117308	9					
ot(s): 1						
	DP47171	HISTORICAL	SURVEY	CROWN FOLIO CRE	ATION	
	DP753848	HISTORICAL	COMPILATION	CROWN ADMIN NO.		
	DP1055791	HISTORICAL	SURVEY	CROWN FOLIO CRE	ATION	
	DP1165492	HISTORICAL	SURVEY	REDEFINITION		
	NSW GAZ.	01-07-20	11	Folio : 4697		
	REVOCATION	OF RESERVATION OF CROWN	I LAND RESERVE NO.	LOTS 265, 330 AND 363 DP75384	48 AND LOT 1	
P117643						
ot(s): 11,	-					
	DP356648	HISTORICAL	SURVEY	UNRESEARCHED		
P118126						
ot(s): 1	-					
	DP533835	HISTORICAL	SURVEY	RESUMPTION OR A	CQUISITION	
	DP1195542	REGISTERED	SURVEY	EASEMENT		
ot(s): 6						
	DP1188571	REGISTERED	SURVEY	RESUMPTION OR A	COUISITION	
	NSW GAZ.	11-10-20		Folio : 4470		
	HEALTH ADMII DP1188571	R THE PURPOSES OF THE NISTRATION ACT 1982 LOT 61	DP1188571 AND EASE	MENTS DESIGNATED (A) AND (E	3) SHOWN IN	
	DP1175412	HISTORICAL	COMPILATION	CROWN ROAD ENC	LOSURE	
ot(s): 2, 9		HISTORICAL				
	DP1076546	HISTORICAL	COMPILATION	DEPARTMENTAL		
ot(s): 1, 4						
	DP753848	HISTORICAL	COMPILATION	CROWN ADMIN NO.		
	NSW GAZ. CLOSED ROAI LOT 1 DP11754		12	Folio : 1366		
	RESERVE NO.	22-06-20 RESERVED CROWN LAND 14778 - LOT 1 DP1175412	12	Folio : 2514		
	NSW GAZ. ACQUIRED FO	21-12-20 R THE PURPOSES OF THE		Folio : 5244		
		NISTRATION ACT 1982 - LOTS	1-5 DP1181268			
P118550						
ot(s): 17,						
	DP787936	HISTORICAL	SURVEY	SUBDIVISION		
	DP1168984	HISTORICAL	SURVEY	SUBDIVISION		
P1190692	2					
ot(s): 56						
	DP5057	HISTORICAL	SURVEY	UNRESEARCHED		
<u> </u>	DP408923	HISTORICAL	SURVEY	UNRESEARCHED		
	DP873857	HISTORICAL	COMPILATION	CONSOLIDATION		
P119831						
ot(s): 1	-					
	DP24858	HISTORICAL	SURVEY	UNRESEARCHED		
	DP534738	HISTORICAL	SURVEY	SUBDIVISION		
			00.00	000011101011		

Caution:

Dn: This information is provided as a searching aid only. Whilst every endeavour is made the ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For **ALL**

ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps.

Report Generated 8:41:40 AM, 23 February, 2021 Copyright © Crown in right of New South Wales, 2017

NSW REGISTRY SERVICES	-	Locality : NORTH TAMWORTH LGA : TAMWORTH REGIONAL		
•	Status	Surv/Comp	County : INGLIS Purpose	
ot(s): 1, 5	Status	Survicomp	Fulpose	
🖳 DP416035	HISTORICAL	SURVEY	UNRESEARCHED)
P1199017				
ot(s): 20, 21, 22, 23,	24			
🖳 DP787936	HISTORICAL	SURVEY	SUBDIVISION	
🖳 DP116898	4 HISTORICAL	SURVEY	SUBDIVISION	
🖳 DP118550	HISTORICAL	SURVEY	SUBDIVISION	
P1206794				
ot(s): 251, 252				
🖳 DP787936	HISTORICAL	SURVEY	SUBDIVISION	
🖳 DP116898	4 HISTORICAL	SURVEY	SUBDIVISION	
🖳 DP118550	HISTORICAL	SURVEY	SUBDIVISION	
🖳 DP119901	7 HISTORICAL	SURVEY	SUBDIVISION	
P1212334				
ot(s): 26, 27, 28				
🖳 DP787936	HISTORICAL	SURVEY	SUBDIVISION	
🖳 DP116898	4 HISTORICAL	SURVEY	SUBDIVISION	
🖳 DP118550	HISTORICAL	SURVEY	SUBDIVISION	
🖳 DP119901	7 HISTORICAL	SURVEY	SUBDIVISION	
P1219373				
ot(s): 29, 30, 32				
DP787936	HISTORICAL	SURVEY	SUBDIVISION	
🖳 DP116898	4 HISTORICAL	SURVEY	SUBDIVISION	
📃 DP118550	HISTORICAL	SURVEY	SUBDIVISION	
💻 DP119901	7 HISTORICAL	SURVEY	SUBDIVISION	
📮 DP121233		SURVEY	SUBDIVISION	
P1231114				
ot(s): 3				
📜 DP6633	HISTORICAL	SURVEY	UNRESEARCHED)
P1233761				
ot(s): 155, 156				
🖳 DP21802	HISTORICAL	SURVEY	UNRESEARCHED)
P1243825				
ot(s): 34, 35				
🦳 DP787936	HISTORICAL	SURVEY	SUBDIVISION	
🦳 DP116898		SURVEY	SUBDIVISION	
🖳 DP118550		SURVEY	SUBDIVISION	
🖳 DP119901		SURVEY	SUBDIVISION	
🖳 DP121233	4 HISTORICAL	SURVEY	SUBDIVISION	
🖳 DP121937	3 HISTORICAL	SURVEY	SUBDIVISION	
🖳 DP123928	3 HISTORICAL	SURVEY	SUBDIVISION	
P1248231				
ot(s): 7, 10				
🦳 DP728359	HISTORICAL	SURVEY	SUBDIVISION	
🖳 DP107822	1 HISTORICAL	SURVEY	SUBDIVISION	
🖳 DP123928	3 HISTORICAL	SURVEY	SUBDIVISION	
ot(s): 10				
🖳 DP807724	HISTORICAL	SURVEY	SUBDIVISION	
ot(s): 7				
	ANDS ACT, 1989; LAND ACQUI ON 138 OF THE CROWN LAND			
MSW G		7-2014	Folio : 2587	
× 11077 G	ION OF RESERVATION OF CR		1010.2007	

 Caution:
 This information is provided as a searching aid only. Whilst every endeavour is made the ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For ALL

 ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps.

NSW	LAND REGISTRY SERVICES
-----	------------------------------

Ref: NOUSER

	LAND	<u>ouddollai Roooldo Enq</u>		
NSW	REGISTRY	Locality : NORTH TAMWORTH		Parish : TAMWORTH
	SERVICES	LGA : TAMWORTH REGIONAL		County : INGLIS
		Status	Surv/Comp	Purpose
SP39444			•	
	SP76794	REGISTERED	COMPILATION	STRATA SUBDIVISION PLAN
	SP76795	REGISTERED	COMPILATION	STRATA SUBDIVISION PLAN
	SP76796	REGISTERED	COMPILATION	STRATA SUBDIVISION PLAN
SP42622				
	SP92944	REGISTERED	COMPILATION	STRATA SUBDIVISION PLAN
SP71381				
	DP599841	HISTORICAL	COMPILATION	SUBDIVISION
	DP1060436	HISTORICAL	SURVEY	REDEFINITION
SP74886				
	DP411207	HISTORICAL	SURVEY	UNRESEARCHED
	DP1082072	HISTORICAL	SURVEY	REDEFINITION
SP79603				
	DP1117945	HISTORICAL	SURVEY	CONSOLIDATION
SP83382				
	DP367939	HISTORICAL	SURVEY	UNRESEARCHED
	DP1139570	HISTORICAL	SURVEY	REDEFINITION
SP96078				
	DP25168	HISTORICAL	SURVEY	UNRESEARCHED
	DP1234151	HISTORICAL	SURVEY	REDEFINITION
SP98897				
	DP787936	HISTORICAL	SURVEY	SUBDIVISION
	DP1168984	HISTORICAL	SURVEY	SUBDIVISION
	DP1185500	HISTORICAL	SURVEY	SUBDIVISION
	DP1199017	HISTORICAL	SURVEY	SUBDIVISION
	DP1212334	HISTORICAL	SURVEY	SUBDIVISION
	DP1219373	HISTORICAL	SURVEY	SUBDIVISION
Road				
	(s): 105033014			
	NSW GAZ.	07-06-2019		Folio : 1861
				IYING THIS GAZETTE NOTIFICATION
				THIS GAZETTE NOTIFICATION
	(s): 105644160 DP1099608	HISTORICAL	SURVEY	ROADS ACT, 1993
		, 105372792, 105644160		NOADO ACT, 1995
Polygon id	NSW GAZ.	, 105372792, 105644160 05-05-2006		Folio : 2709
7		F CROWN ROAD TO COUNCIL		1010.2700
		, 173040956, 173040966		
erygen ia	NSW GAZ.	03-07-2015		Folio : 2042
.~7		CROWN ROAD TO COUNCIL		
olygon Id	(s): 105033015	, 105208434, 105225589, 10522559	0, 105259797, 10536	61269, 105435691, 105543025, 105548706,
10555442	5, 105577172, 1	05582842, 105588476, 105599689		
7	EX-SUR 68/34	DP978236		

Caution: This information is provided as a searching aid only. Whilst every endeavour is made the ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For ALL ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps.



Locality : NORTH TAMWORTH LGA : TAMWORTH REGIONAL Parish : TAMWORTH County : INGLIS Ref : NOUSER

PlanSurv/CompPurposeDP180COMPILATIONUNRESEARCHEDDP2356COMPILATIONUNRESEARCHEDDP5074SURVEYUNRESEARCHEDDP5074SURVEYUNRESEARCHEDDP5733SURVEYUNRESEARCHEDDP12300SURVEYUNRESEARCHEDDP12300SURVEYUNRESEARCHEDDP23602SURVEYUNRESEARCHEDDP23603SURVEYUNRESEARCHEDDP23604SURVEYUNRESEARCHEDDP23505SURVEYUNRESEARCHEDDP23506SURVEYUNRESEARCHEDDP23507SURVEYUNRESEARCHEDDP23508SURVEYUNRESEARCHEDDP23504SURVEYUNRESEARCHEDDP23505SURVEYUNRESEARCHEDDP23504SURVEYUNRESEARCHEDDP23505SURVEYUNRESEARCHEDDP23507SURVEYSUBDIVISIONDP23508SURVEYSUBDIVISIONDP23507SURVEYSUBDIVISIONDP23507SURVEYSUBDIVISIONDP23507SURVEYSUBDIVISIONDP23507SURVEYSUBDIVISIONDP23508SURVEYSUBDIVISIONDP23509SURVEYSUBDIVISIONDP23507SURVEYSUBDIVISIONDP23507SURVEYSUBDIVISIONDP23507SURVEYSUBDIVISIONDP23508SURVEYSUBDIVISIONDP23509SURVEYSUBDIVISIONDP23509SURVEYSUBDIVISIONDP23509SURVEYS		LGA : TAMWORTH REGIONAL	County : INGLIS
DP2356 COMPLATION UNRESEARCHED DP5057 SURVEY UNRESEARCHED DP5674 SURVEY UNRESEARCHED DP6633 SURVEY UNRESEARCHED DP62050 SURVEY UNRESEARCHED DP12100 SURVEY UNRESEARCHED DP12200 SURVEY UNRESEARCHED DP21802 SURVEY UNRESEARCHED DP24303 SURVEY UNRESEARCHED DP24101 SURVEY UNRESEARCHED DP23505 SURVEY UNRESEARCHED DP23514 SURVEY UNRESEARCHED DP23525 SURVEY UNRESEARCHED DP24754 SURVEY SURDIVISION DP24355 SURVEY SURDIVISION DP24364 COMPLATION CROWN FOLO CREATION DP24364 SURVEY SURDI	Plan	Surv/Comp	Purpose
DP2356 COMPILATION UNRESEARCHED DP6057 SURVEY UNRESEARCHED DP6373 SURVEY UNRESEARCHED DP6373 SURVEY UNRESEARCHED DP6373 SURVEY UNRESEARCHED DP6373 SURVEY UNRESEARCHED DP1210 SURVEY UNRESEARCHED DP12102 SURVEY UNRESEARCHED DP23162 SURVEY UNRESEARCHED DP23565 SURVEY UNRESEARCHED DP23565 SURVEY UNRESEARCHED DP23573 SURVEY UNRESEARCHED DP23574 SURVEY UNRESEARCHED DP23573 SURVEY UNRESEARCHED DP23573 SURVEY UNRESEARCHED DP23573 SURVEY SUBDIVISION DP23563 SURVEY SUBDIVISION DP23573 SURVEY SUBDIVISION DP23526 SURVEY SUBDIVISION DP23526 SURVEY SUBDIVISION DP235260 SURVEY SUBDIVISION	DP189	COMPILATION	UNRESEARCHED
DP567 SURVEY UNRESEARCHED DP5674 SURVEY UNRESEARCHED DP5733 SURVEY UNRESEARCHED DP6633 SURVEY UNRESEARCHED DP1200 SURVEY UNRESEARCHED DP1210 SURVEY UNRESEARCHED DP24810 SURVEY UNRESEARCHED DP24101 SURVEY UNRESEARCHED DP23163 SURVEY UNRESEARCHED DP23552 SURVEY UNRESEARCHED DP23562 SURVEY UNRESEARCHED DP23563 SURVEY UNRESEARCHED DP23564 SURVEY UNRESEARCHED DP23573 SURVEY UNRESEARCHED DP241417 SURVEY UNRESEARCHED DP2424117 SURVEY SUBDIVISION DP23636 SURVEY SUBDIVISION DP23636 SURVEY SUBDIVISION DP23637 SURVEY SUBDIVISION DP236361 SURVEY SUBDIVISION DP23693 SURVEY SUBDIVISION <		COMPILATION	UNRESEARCHED
DP673 SURVEY UNRESEARCHED DP6733 SURVEY UNRESEARCHED DP633 SURVEY UNRESEARCHED DP1210 SURVEY UNRESEARCHED DP13200 SURVEY UNRESEARCHED DP132102 SURVEY UNRESEARCHED DP241802 SURVEY UNRESEARCHED DP245168 SURVEY UNRESEARCHED DP25656 SURVEY UNRESEARCHED DP26050 SURVEY UNRESEARCHED DP26161 SURVEY UNRESEARCHED DP26171 SURVEY UNRESEARCHED DP26163 SURVEY UNRESEARCHED DP26164 SURVEY UNRESEARCHED DP26161 SURVEY UNRESEARCHED DP261613 SURVEY UNRESEARCHED DP241613 SURVEY SUBDIVISION DP2432036 SURVEY SUBDIVISION DP233063 SURVEY SUBDIVISION DP233064 SURVEY SUBDIVISION DP233075 SURVEY SUBDIVISION <td></td> <td></td> <td></td>			
DP5733 SURVEY UNRESEARCHED DP6833 SURVEY UNRESEARCHED DP12210 SURVEY UNRESEARCHED DP18200 SURVEY UNRESEARCHED DP24811 SURVEY UNRESEARCHED DP24812 SURVEY UNRESEARCHED DP24813 SURVEY UNRESEARCHED DP25555 SURVEY UNRESEARCHED DP24814 SURVEY UNRESEARCHED DP24515 SURVEY UNRESEARCHED DP24614 SURVEY UNRESEARCHED DP241717 SURVEY UNRESEARCHED DP24494 COMPILATION CROWN FOLO CREATION DP24493 SURVEY SUBDIVISION DP23036 SURVEY SUBDIVISION DP23037 SURVEY SUBDIVISION DP23038 SURVEY SUBDIVISION DP230397 SURVEY SUBDIVISION DP23036 SURVEY SUBDIVISION DP23057 SURVEY SUBDIVISION DP2305857 SURVEY SUBDIVI			
DP6833 SURVEY UNRESEARCHED DP1210 SURVEY UNRESEARCHED DP12300 SURVEY UNRESEARCHED DP24102 SURVEY UNRESEARCHED DP2411 SURVEY UNRESEARCHED DP245168 SURVEY UNRESEARCHED DP26205 SURVEY UNRESEARCHED DP26205 SURVEY UNRESEARCHED DP26161 SURVEY UNRESEARCHED DP26171 SURVEY UNRESEARCHED DP26172 SURVEY UNRESEARCHED DP26173 SURVEY UNRESEARCHED DP230171 SURVEY UNRESEARCHED DP242333 SURVEY SUBDIVISION DP233236 SURVEY SUBDIVISION DP233237 SURVEY SUBDIVISION DP233236 SURVEY SUBDIVISION DP233237 SURVEY SUBDIVISION DP233051 SURVEY SUBDIVISION DP233079 SURVEY SUBDIVISION DP233079 SURVEY SUBDIVISION <td></td> <td></td> <td></td>			
DP12210 SURVEY UNRESEARCHED DP18200 SURVEY UNRESEARCHED DP284811 SURVEY UNRESEARCHED DP284811 SURVEY UNRESEARCHED DP28555 SURVEY UNRESEARCHED DP28552 SURVEY UNRESEARCHED DP28152 SURVEY UNRESEARCHED DP28152 SURVEY UNRESEARCHED DP28152 SURVEY UNRESEARCHED DP28152 SURVEY UNRESEARCHED DP28153 SURVEY UNRESEARCHED DP28154 SURVEY SUBDIVISION DP244204 COMPILATION CROWN FOLIO CREATION DP24893 SURVEY SUBDIVISION DP230651 SURVEY SUBDIVISION DP230657 SURVEY SUBDIVISION DP230651 SURVEY SUBDIVISION DP23079 SURVEY SUBDIVISION DP230651 SURVEY SUBDIVISION DP23079 SURVEY SUBDIVISION DP230749 SURVEY S			
DP18200 SURVEY UNRESEARCHED DP28102 SURVEY UNRESEARCHED DP28108 SURVEY UNRESEARCHED DP28168 SURVEY UNRESEARCHED DP28205 SURVEY UNRESEARCHED DP28162 SURVEY UNRESEARCHED DP28174 SURVEY UNRESEARCHED DP28175 SURVEY UNRESEARCHED DP28174 SURVEY UNRESEARCHED DP28171 SURVEY UNRESEARCHED DP28171 SURVEY SUBDIVISION DP244117 SURVEY SUBDIVISION DP23053 SURVEY SUBDIVISION DP23054 SURVEY SUBDIVISION DP23055 SURVEY SUBDIVISION DP23056 SURVEY SUBDIVISION DP23057 SURVEY SUBDIVISION DP23058 SURVEY SUBDIVISION DP23059 SURVEY SUBDIVISION DP23050 SURVEY SUBDIVISION DP2305163 SURVEY SUBDIVISION			
DP218i02 SURVEY UNRESEARCHED DP24811 SURVEY UNRESEARCHED DP25555 SURVEY UNRESEARCHED DP25555 SURVEY UNRESEARCHED DP28152 SURVEY UNRESEARCHED DP28152 SURVEY UNRESEARCHED DP28152 SURVEY UNRESEARCHED DP28152 SURVEY UNRESEARCHED DP281734 SURVEY UNRESEARCHED DP31219 SURVEY UNRESEARCHED DP44204 COMPLATION CROWN POLID CREATION DP219693 SURVEY SUBDIVISION DP232337 SURVEY SUBDIVISION DP232337 SURVEY SUBDIVISION DP232337 SURVEY SUBDIVISION DP233520 SURVEY SUBDIVISION DP23353 SURVEY SUBDIVISION DP23354 SURVEY SUBDIVISION DP23355 SURVEY SUBDIVISION DP23355 SURVEY SUBDIVISION DP23356 SURVEY SUBD			
DP24811 SURVEY UNRESEARCHED DP25168 SURVEY UNRESEARCHED DP25555 SURVEY UNRESEARCHED DP26205 SURVEY UNRESEARCHED DP25161 SURVEY UNRESEARCHED DP24514 SURVEY UNRESEARCHED DP24514 SURVEY UNRESEARCHED DP241117 SURVEY UNRESEARCHED DP244117 SURVEY SUBDIVISION DP23053 SURVEY SUBDIVISION DP23053 SURVEY SUBDIVISION DP233930 SURVEY SUBDIVISION DP233937 SURVEY SUBDIVISION DP233937 SURVEY SUBDIVISION DP233979 SURVEY SUBDIVISION DP233979 SURVEY SUBDIVISION DP23333 SURVEY SUBDIVISION DP233979 SURVEY SUBDIVISION DP233979 SURVEY SUBDIVISION DP233331 SURVEY SUBDIVISION DP23399 SURVEY SUBDIVISION			
DP25168 SURVEY UNRESEARCHED DP25555 SURVEY UNRESEARCHED DP25555 SURVEY UNRESEARCHED DP25152 SURVEY UNRESEARCHED DP25154 SURVEY UNRESEARCHED DP25154 SURVEY UNRESEARCHED DP2152 SURVEY UNRESEARCHED DP21543 SURVEY UNRESEARCHED DP214903 SURVEY SUBDIVISION DP219693 SURVEY SUBDIVISION DP230305 SURVEY SUBDIVISION DP230305 SURVEY SUBDIVISION DP230305 SURVEY SUBDIVISION DP230305 SURVEY SUBDIVISION DP23057 SURVEY SUBDIVISION DP23057 SURVEY SUBDIVISION DP230501 SURVEY SUBDIVISION DP23051 SURVEY SUBDIVISION DP230531 SURVEY SUBDIVISION DP230531 SURVEY SUBDIVISION DP305073 SURVEY SUBDIVISION			
DP25555 SURVEY UNRESEARCHED DP26205 SURVEY UNRESEARCHED DP29152 SURVEY UNRESEARCHED DP29154 SURVEY UNRESEARCHED DP291734 SURVEY UNRESEARCHED DP31219 SURVEY UNRESEARCHED DP44204 COMPILATION CROWN FOLIO CREATION DP23193 SURVEY SUBDIVISION DP232937 SURVEY SUBDIVISION DP232937 SURVEY SUBDIVISION DP232937 SURVEY SUBDIVISION DP23651 SURVEY SUBDIVISION DP23657 SURVEY SUBDIVISION DP23903 SURVEY SUBDIVISION DP239143 SURVEY SUBDIVISION DP230973 SURVEY SUBDIVISION DP230913 SURVEY SUBDIVISION DP23092 SURVEY SUBDIVISION DP23093 SURVEY SUBDIVISION DP23093 SURVEY SUBDIVISION DP23090 SURVEY SUBDIVI	-		
DP2205 SURVEY UNRESEARCHED DP29152 SURVEY UNRESEARCHED DP29514 SURVEY UNRESEARCHED DP3152 SURVEY UNRESEARCHED DP311219 SURVEY UNRESEARCHED DP31219 SURVEY SUBDIVISION DP213603 SURVEY SUBDIVISION DP232386 SURVEY SUBDIVISION DP232836 SURVEY SUBDIVISION DP23657 SURVEY SUBDIVISION DP23657 SURVEY SUBDIVISION DP23079 SURVEY SUBDIVISION DP2308079 SURVEY SUBDIVISION DP23313 SURVEY SUBDIVISION DP330163 SURVEY SUBDIVISION DP331063 SURVEY UNRESEARCHED DP331064 SURVEY UNRESEARCHED			
DP29152 SURVEY UNRESEARCHED DP295514 SURVEY UNRESEARCHED DP37134 SURVEY UNRESEARCHED DP44204 COMPILATION CROWN FOLIO CREATION DP24404 COMPILATION CROWN FOLIO CREATION DP24093 SURVEY SUBDIVISION DP230836 SURVEY SUBDIVISION DP230837 SURVEY SUBDIVISION DP230857 SURVEY SUBDIVISION DP230851 SURVEY SUBDIVISION DP230873 SURVEY SUBDIVISION DP2308731 SURVEY SUBDIVISION DP265386 SURVEY SUBDIVISION DP306731 SURVEY SUBDIVISION DP306731 SURVEY UNRESEARCHED DP321999 SURVEY UNRESEARCHED DP322000 SURVEY </td <td></td> <td></td> <td></td>			
DP29514 SURVEY UNRESEARCHED DP29734 SURVEY UNRESEARCHED DP4204 COMPILATION CROWN FOLIO CREATION DP21189 SURVEY SUBDIVISION DP232336 SURVEY SUBDIVISION DP232336 SURVEY SUBDIVISION DP232336 SURVEY SUBDIVISION DP232336 SURVEY SUBDIVISION DP232357 SURVEY SUBDIVISION DP233657 SURVEY SUBDIVISION DP23494 SURVEY SUBDIVISION DP235250 SURVEY SUBDIVISION DP263313 SURVEY SUBDIVISION DP263313 SURVEY SUBDIVISION DP301063 SURVEY UNRESEARCHED DP30371 SURVEY UNRESEARCHED DP330463 SURVEY UNRESEARCHED DP33044 SURVEY UNRESEARCHED DP33045 SURVEY UNRESEARCHED DP331063 SURVEY UNRESEARCHED DP331064 SURVEY			
DP29734 SURVEY UNRESEARCHED DP41219 SURVEY UNRESEARCHED DP42041 COMPILATION CROWN FOLIO CREATION DP214117 SURVEY SUBDIVISION DP2382936 SURVEY SUBDIVISION DP2382937 SURVEY SUBDIVISION DP23657 SURVEY SUBDIVISION DP23657 SURVEY SUBDIVISION DP239079 SURVEY SUBDIVISION DP23657 SURVEY SUBDIVISION DP237949 SURVEY SUBDIVISION DP233731 SURVEY SUBDIVISION DP263386 SURVEY SUBDIVISION DP263386 SURVEY SUBDIVISION DP263381 SURVEY SUBDIVISION DP308731 SURVEY UNRESEARCHED DP321988 SURVEY UNRESEARCHED DP321998 SURVEY UNRESEARCHED DP321998 SURVEY UNRESEARCHED DP321998 SURVEY UNRESEARCHED DP3311 SURVEY <t< td=""><td></td><td></td><td></td></t<>			
DP31219 SURVEY UNRESEARCHED DP44204 COMPILATION CROWN FOLIO CREATION DP211693 SURVEY SUBDIVISION DP232337 SURVEY SUBDIVISION DP232337 SURVEY SUBDIVISION DP232337 SURVEY SUBDIVISION DP232651 SURVEY SUBDIVISION DP236557 SURVEY SUBDIVISION DP23793 SURVEY SUBDIVISION DP236557 SURVEY SUBDIVISION DP236353 SURVEY SUBDIVISION DP236313 SURVEY SUBDIVISION DP263313 SURVEY SUBDIVISION DP263313 SURVEY UNRESEARCHED DP30063 SURVEY UNRESEARCHED DP30163 SURVEY UNRESEARCHED DP321998 SURVEY UNRESEARCHED DP321999 SURVEY UNRESEARCHED DP321999 SURVEY UNRESEARCHED DP321999 SURVEY UNRESEARCHED DP321991 SURVEY			
DP44204 COMPILATION CROWN FOLIO CREATION DP214117 SURVEY SUBDIVISION DP236963 SURVEY SUBDIVISION DP232936 SURVEY SUBDIVISION DP232937 SURVEY SUBDIVISION DP236561 SURVEY SUBDIVISION DP23657 SURVEY SUBDIVISION DP237949 SURVEY SUBDIVISION DP23795 SURVEY SUBDIVISION DP23679 SURVEY SUBDIVISION DP23636 SURVEY SUBDIVISION DP263186 SURVEY SUBDIVISION DP263366 SURVEY SUBDIVISION DP263361 SURVEY SUBDIVISION DP306731 SURVEY UNRESEARCHED DP321998 SURVEY UNRESEARCHED DP321998 SURVEY UNRESEARCHED DP321998 SURVEY UNRESEARCHED DP33104 SURVEY UNRESEARCHED DP3310504 SURVEY UNRESEARCHED DP33193 SURVEY <td< td=""><td></td><td></td><td></td></td<>			
DP214117 SURVEY SUBDIVISION DP23693 SURVEY SUBDIVISION DP232936 SURVEY SUBDIVISION DP232937 SURVEY SUBDIVISION DP23651 SURVEY SUBDIVISION DP23657 SURVEY SUBDIVISION DP237949 SURVEY SUBDIVISION DP253250 SURVEY SUBDIVISION DP263313 SURVEY SUBDIVISION DP301063 SURVEY UNRESEARCHED DP30171 SURVEY UNRESEARCHED DP32198 SURVEY UNRESEARCHED DP322001 SURVEY UNRESEARCHED DP323064 SURVEY UNRESEARCHED DP33446 SURVEY UNRESEARCHED DP33453 SURVEY UNRESEARCHED DP33446 SURVEY UNRESEARCHED </td <td></td> <td></td> <td></td>			
DP218693 SURVEY SUBDIVISION DP232836 SURVEY SUBDIVISION DP232837 SURVEY SUBDIVISION DP23651 SURVEY SUBDIVISION DP23657 SURVEY SUBDIVISION DP239079 SURVEY SUBDIVISION DP23979 SURVEY SUBDIVISION DP235195 SURVEY SUBDIVISION DP257195 SURVEY SUBDIVISION DP263313 SURVEY SUBDIVISION DP263366 SURVEY SUBDIVISION DP301063 SURVEY SUBDIVISION DP3031063 SURVEY UNRESEARCHED DP303199 SURVEY UNRESEARCHED DP321999 SURVEY UNRESEARCHED DP321999 SURVEY UNRESEARCHED DP331064 SURVEY UNRESEARCHED DP331064 SURVEY UNRESEARCHED DP3331054 SURVEY UNRESEARCHED DP333466 SURVEY UNRESEARCHED DP3338466 SURVEY UNRES	-		
DP232936 SURVEY SUBDIVISION DP232937 SURVEY SUBDIVISION DP23651 SURVEY SUBDIVISION DP23657 SURVEY SUBDIVISION DP23794 SURVEY SUBDIVISION DP23097 SURVEY SUBDIVISION DP23097 SURVEY SUBDIVISION DP23097 SURVEY SUBDIVISION DP263213 SURVEY SUBDIVISION DP263313 SURVEY SUBDIVISION DP263313 SURVEY SUBDIVISION DP263313 SURVEY UNRESEARCHED DP30163 SURVEY UNRESEARCHED DP32198 SURVEY UNRESEARCHED DP321998 SURVEY UNRESEARCHED DP321999 SURVEY UNRESEARCHED DP321991 SURVEY UNRESEARCHED DP321992 SURVEY UNRESEARCHED DP321993 SURVEY UNRESEARCHED DP331064 SURVEY UNRESEARCHED DP338393 SURVEY UNRESEARCHED			
DP232937SURVEYSUBDIVISIONDP33651SURVEYSUBDIVISIONDP237944SURVEYSUBDIVISIONDP237974SURVEYSUBDIVISIONDP239979SURVEYSUBDIVISIONDP253195SURVEYSUBDIVISIONDP255195SURVEYSUBDIVISIONDP2651195SURVEYSUBDIVISIONDP263313SURVEYSUBDIVISIONDP263386SURVEYSUBDIVISIONDP36386SURVEYUNRESEARCHEDDP308731SURVEYUNRESEARCHEDDP308731SURVEYUNRESEARCHEDDP308749SURVEYUNRESEARCHEDDP321999SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP338466SURVEYUNRESEARCHEDDP338466SURVEYUNRESEARCHEDDP338471SURVEYUNRESEARCHEDDP33883COMPILATIONUNRESEARCHEDDP33893SURVEYUNRESEARCHEDDP33690SURVEYUNRESEARCHEDDP37693SURVEYUNRESEARCHEDDP37693SURVEYUNRESEARCHEDDP37694SURVEYUNRESEARCHEDDP37695SURVEYUNRESEARCHEDDP37699SURVEYUNRESEARCHEDDP37199SURVEYUNRESEARCHEDDP37199SURVEYUNRESEARCHEDDP37199SURVEYUNRESEARCHEDD			
DP23651SURVEYSUBDIVISIONDP23657SURVEYSUBDIVISIONDP237949SURVEYSUBDIVISIONDP233979SURVEYSUBDIVISIONDP253250SURVEYSUBDIVISIONDP253251SURVEYSUBDIVISIONDP263313SURVEYSUBDIVISIONDP263314SURVEYSUBDIVISIONDP263315SURVEYSUBDIVISIONDP30163SURVEYUNRESEARCHEDDP308731SURVEYUNRESEARCHEDDP308749SURVEYUNRESEARCHEDDP321999SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP32201SURVEYUNRESEARCHEDDP33064SURVEYUNRESEARCHEDDP33164SURVEYUNRESEARCHEDDP33193SURVEYUNRESEARCHEDDP33193SURVEYUNRESEARCHEDDP339193SURVEYUNRESEARCHEDDP339193SURVEYUNRESEARCHEDDP339193SURVEYUNRESEARCHEDDP33671SURVEYUNRESEARCHEDDP336731SURVEYUNRESEARCHEDDP33993SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP370501SURVEYUNRESEARCHEDDP370503SURVEYUNRESEARCHEDDP370504SURVEYUNRESEARCHEDDP370505SURVEYUNRESEARCHEDDP37051SURVEYUNRESEARCHEDDP37051SURVEYUNRESEARCHEDDP370			
DP23657SURVEYSUBDIVISIONDP237949SURVEYSUBDIVISIONDP239079SURVEYSUBDIVISIONDP255195SURVEYSUBDIVISIONDP255195SURVEYSUBDIVISIONDP2651313SURVEYSUBDIVISIONDP263386SURVEYSUBDIVISIONDP263386SURVEYUNRESEARCHEDDP301063SURVEYUNRESEARCHEDDP303741SURVEYUNRESEARCHEDDP303749SURVEYUNRESEARCHEDDP321998SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP333717SURVEYUNRESEARCHEDDP339836COMPILATIONUNRESEARCHEDDP339836COMPILATIONUNRESEARCHEDDP339836SURVEYUNRESEARCHEDDP33993SURVEYUNRESEARCHEDDP33993SURVEYUNRESEARCHEDDP33993SURVEYUNRESEARCHEDDP36211SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP37510SURVEYUNRESEARCHEDDP37511SURVEYUNRESEARCHEDDP37512SURVEYUNRESEARCHEDDP37513SURVEYUNRESEARCHEDDP37514SURVEYUNRESEARCHEDDP38044SURVEYUNRESEARCHEDDP38044SURVEYUNRESEARCHEDDP38045SURVEYUNRESEARCHED<			
DP2379299 SURVEY SUBDIVISION DP239079 SURVEY SUBDIVISION DP253250 SURVEY SUBDIVISION DP253250 SURVEY SUBDIVISION DP253313 SURVEY SUBDIVISION DP263313 SURVEY SUBDIVISION DP263313 SURVEY SUBDIVISION DP301063 SURVEY UNRESEARCHED DP303731 SURVEY UNRESEARCHED DP321999 SURVEY UNRESEARCHED DP322001 SURVEY UNRESEARCHED DP337477 SURVEY UNRESEARCHED DP337477 SURVEY UNRESEARCHED DP337477 SURVEY UNRESEARCHED DP337477 SURVEY UNRESEARCHED DP339193 SURVEY UNRESEARCHED DP339193 SURVEY UNRESEARCHED DP3393193 SURVEY UNRESEARCHED DP3393193 SURVEY UNRESEARCHED DP3393193 SURVEY UNRESEARCHED DP339393 SURVEY			
DP239079SURVEYSUBDIVISIONDP253250SURVEYSUBDIVISIONDP2537195SURVEYSUBDIVISIONDP263313SURVEYSUBDIVISIONDP263386SURVEYSUBDIVISIONDP308731SURVEYUNRESEARCHEDDP308731SURVEYUNRESEARCHEDDP308739SURVEYUNRESEARCHEDDP308749SURVEYUNRESEARCHEDDP321999SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP339731SURVEYUNRESEARCHEDDP33993SURVEYUNRESEARCHEDDP3391064SURVEYUNRESEARCHEDDP33913SURVEYUNRESEARCHEDDP33913SURVEYUNRESEARCHEDDP33993SURVEYUNRESEARCHEDDP35838SURVEYUNRESEARCHEDDP35939SURVEYUNRESEARCHEDDP36706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371030SURVEYUNRESEARCHEDDP37501SURVEYUNRESEARCHEDDP37501SURVEYUNRESEARCHEDDP37502SURVEYUNRESEARCHEDDP37503SURVEYUNRESEARCHEDDP37504SURVEYUNRESEARCHEDDP38044SURVEYUNRESEARCHEDDP38044SURVEYUNRESEARCHEDDP38044SURVEYUNRESEARCHEDDP			
DP2523250SURVEYSUBDIVISIONDP253135SURVEYSUBDIVISIONDP263313SURVEYSUBDIVISIONDP263314SURVEYSUBDIVISIONDP301063SURVEYUNRESEARCHEDDP3030731SURVEYUNRESEARCHEDDP3030731SURVEYUNRESEARCHEDDP3030731SURVEYUNRESEARCHEDDP3030749SURVEYUNRESEARCHEDDP321998SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP332001SURVEYUNRESEARCHEDDP332930SURVEYUNRESEARCHEDDP33931064SURVEYUNRESEARCHEDDP3393105SURVEYUNRESEARCHEDDP3393105SURVEYUNRESEARCHEDDP3393105SURVEYUNRESEARCHEDDP3393106SURVEYUNRESEARCHEDDP3393107SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP37102SURVEYUNRESEARCHEDDP37511SURVEYUNRESEARCHEDDP37511SURVEYUNRESEARCHEDDP33751SURVEYUNRESEARCHEDDP33751SURVEYUNRESEARCHEDDP33751SURVEYUNRESEARCHEDDP33753COMPILATIONUNRESEARCHEDDP33753COMPILATIONUNRESEARCHEDDP33753SURVEYUNRESEARCHEDDP338004SURVEYUNRES	DP237949		
DP257195SURVEYCROWN FOLIO CREATIONDP263313SURVEYSUBDIVISIONDP308731SURVEYSUBDIVISIONDP308731SURVEYUNRESEARCHEDDP308739SURVEYUNRESEARCHEDDP321998SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP33164SURVEYUNRESEARCHEDDP3321998SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP332001SURVEYUNRESEARCHEDDP33164SURVEYUNRESEARCHEDDP33165SURVEYUNRESEARCHEDDP339306SURVEYUNRESEARCHEDDP3393105SURVEYUNRESEARCHEDDP339313SURVEYUNRESEARCHEDDP339313SURVEYUNRESEARCHEDDP33933SURVEYUNRESEARCHEDDP36588SURVEYUNRESEARCHEDDP365939SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP37509SURVEYUNRESEARCHEDDP37510SURVEYUNRESEARCHEDDP37511SURVEYUNRESEARCHEDDP37512SURVEYUNRESEARCHEDDP39244SURVEYUNRESEARCHEDDP39253COMPILATIONUNRESEARCHEDDP3936488SURVEYUNRESEARCHEDDP393646SURVEYUNRESEARCHEDDP393646SURVEYUNRESEARCHEDDP3936488SURVEYUNRESEARCH			
DP283313SURVEYSUBDIVISIONDP283386SURVEYSUBDIVISIONDP301063SURVEYUNRESEARCHEDDP308731SURVEYUNRESEARCHEDDP308731SURVEYUNRESEARCHEDDP308739SURVEYUNRESEARCHEDDP321998SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP333731SURVEYUNRESEARCHEDDP338466SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP3399193SURVEYUNRESEARCHEDDP3399193SURVEYUNRESEARCHEDDP35638SURVEYUNRESEARCHEDDP367039SURVEYUNRESEARCHEDDP367039SURVEYUNRESEARCHEDDP367039SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371030SURVEYUNRESEARCHEDDP37510SURVEYUNRESEARCHEDDP37511SURVEYUNRESEARCHEDDP38044SURVEYUNRESEARCHEDDP38044SURVEYUNRESEARCHEDDP38044SURVEYUNRESEARCHEDDP39753COMPILATIONUNRESEARCHEDDP39753COMPILATIONUNRESEARCHEDDP39905SURVEYUNRESEARCHEDDP39905SURVEYUNRESEARCHEDDP39905SURVEYUNRESEARCHEDDP3906SURVEYUNRESEARCHED			
DP283386SURVEYSUBDIVISIONDP301063SURVEYUNRESEARCHEDDP308731SURVEYUNRESEARCHEDDP308731SURVEYUNRESEARCHEDDP321998SURVEYUNRESEARCHEDDP321999SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP334777SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP339936COMPILATIONUNRESEARCHEDDP339936SURVEYUNRESEARCHEDDP362211SURVEYUNRESEARCHEDDP362211SURVEYUNRESEARCHEDDP367039SURVEYUNRESEARCHEDDP367039SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371099SURVEYUNRESEARCHEDDP371061SURVEYUNRESEARCHEDDP3710761SURVEYUNRESEARCHEDDP371080SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP381712SURVEYUNRESEARCHEDDP381712SURVEYUNRESEARCHEDDP38034SURVEYUNRESEARCHEDDP3904SURVEYUNRESEARCHEDDP3905SURVEYUNRESEARCHEDDP3906SURVEYUNRESEARCHEDDP390753SURVEYUNRESEARCHED	DP257195		CROWN FOLIO CREATION
DP301063SURVEYUNRESEARCHEDDP308731SURVEYUNRESEARCHEDDP308739SURVEYUNRESEARCHEDDP321998SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP337177SURVEYUNRESEARCHEDDP338466SURVEYUNRESEARCHEDDP33871SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP338936COMPILATIONUNRESEARCHEDDP365211SURVEYUNRESEARCHEDDP365238SURVEYUNRESEARCHEDDP36706SURVEYUNRESEARCHEDDP367076SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP37509SURVEYUNRESEARCHEDDP37706SURVEYUNRESEARCHEDDP37707SURVEYUNRESEARCHEDDP37708SURVEYUNRESEARCHEDDP37709SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP38244SURVEYUNRESEARCHEDDP39253COMPILATIONUNRESEARCHEDDP39254SURVEYUNRESEARCHEDDP39254SURVEYUNRESEARCHEDDP401533SURVEYUNRESEARCHEDDP414201COMPILATIONUNRESEARCHEDDP414202SURVEYUNRESEARCHEDDP400251SURVEYUNRESEARCH	DP263313	SURVEY	SUBDIVISION
DP308731SURVEYUNRESEARCHEDDP308739SURVEYUNRESEARCHEDDP321998SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP337064SURVEYUNRESEARCHEDDP337477SURVEYUNRESEARCHEDDP338466SURVEYUNRESEARCHEDDP338936COMPILATIONUNRESEARCHEDDP3589371SURVEYUNRESEARCHEDDP358936SURVEYUNRESEARCHEDDP359393SURVEYUNRESEARCHEDDP365838SURVEYUNRESEARCHEDDP36706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP37509SURVEYUNRESEARCHEDDP37509SURVEYUNRESEARCHEDDP37509SURVEYUNRESEARCHEDDP37501SURVEYUNRESEARCHEDDP37503SURVEYUNRESEARCHEDDP37504SURVEYUNRESEARCHEDDP37505SURVEYUNRESEARCHEDDP3751SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP38548SURVEYUNRESEARCHEDDP38548SURVEYUNRESEARCHEDDP38504SURVEYUNRESEARCHEDDP38503SURVEYUNRESEARCHEDDP38504SURVEYUNRESEARCHEDDP38503SURVEYUNRESEARCHEDDP38504SURVEYUNRESEARCHED <tr< td=""><td>DP263386</td><td>SURVEY</td><td>SUBDIVISION</td></tr<>	DP263386	SURVEY	SUBDIVISION
DP308749SURVEYUNRESEARCHEDDP321998SURVEYUNRESEARCHEDDP321999SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP338466SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP3389193SURVEYUNRESEARCHEDDP338936COMPILATIONUNRESEARCHEDDP367393SURVEYUNRESEARCHEDDP36706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP37509SURVEYUNRESEARCHEDDP377551SURVEYUNRESEARCHEDDP377551SURVEYUNRESEARCHEDDP38748SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP38244SURVEYUNRESEARCHEDDP38244SURVEYUNRESEARCHEDDP3804SURVEYUNRESEARCHEDDP3804SURVEYUNRESEARCHEDDP3905SURVEYUNRESEARCHEDDP3906SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHED	DP301063	SURVEY	UNRESEARCHED
DP321998SURVEYUNRESEARCHEDDP321999SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP322011SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP337477SURVEYUNRESEARCHEDDP338466SURVEYUNRESEARCHEDDP339393SURVEYUNRESEARCHEDDP339193SURVEYUNRESEARCHEDDP339836COMPILATIONUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP37510SURVEYUNRESEARCHEDDP37511SURVEYUNRESEARCHEDDP377551SURVEYUNRESEARCHEDDP377551SURVEYUNRESEARCHEDDP38488SURVEYUNRESEARCHEDDP37553COMPILATIONUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP386488SURVEYUNRESEARCHEDDP386488SURVEYUNRESEARCHEDDP386488SURVEYUNRESEARCHEDDP38648SURVEYUNRESEARCHEDDP38004SURVEYUNRESEARCHEDDP41623SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP41620SURVEYUNRESEARCHEDDP41420SURVEYUNRESEARCHEDDP41420SURVEYUNRESEARCHEDDP402051SURVEYSUBUIVISION	DP308731	SURVEY	UNRESEARCHED
DP321999SURVEYUNRESEARCHEDDP322000SURVEYUNRESEARCHEDDP332001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP337477SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP338733SURVEYUNRESEARCHEDDP338734SURVEYUNRESEARCHEDDP338735COMPILATIONUNRESEARCHEDDP338736SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP382344SURVEYUNRESEARCHEDDP382344SURVEYUNRESEARCHEDDP3804SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP414201SURVEYUNRESEARCHEDDP414201SURVEYSUBDIVISION	DP308749	SURVEY	UNRESEARCHED
DP322000SURVEYUNRESEARCHEDDP322001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP337477SURVEYUNRESEARCHEDDP338761SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP338733SURVEYUNRESEARCHEDDP338736COMPILATIONUNRESEARCHEDDP358737SURVEYUNRESEARCHEDDP3687339SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP386488SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP38004SURVEYUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414201SURVEYUNRESEARCHEDDP414201SURVEYUNRESEARCHEDDP402021SURVEYUNRESEARCHEDDP500251SURVEYSUBUVISION	DP321998	SURVEY	UNRESEARCHED
DP322001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP337477SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP339193SURVEYUNRESEARCHEDDP339366COMPILATIONUNRESEARCHEDDP355838SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP377112SURVEYUNRESEARCHEDDP3771361SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP37751SURVEYUNRESEARCHEDDP38004SURVEYUNRESEARCHEDDP39253COMPILATIONUNRESEARCHEDDP39253COMPILATIONUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHED	DP321999	SURVEY	UNRESEARCHED
DP322001SURVEYUNRESEARCHEDDP331064SURVEYUNRESEARCHEDDP337477SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP339193SURVEYUNRESEARCHEDDP339366COMPILATIONUNRESEARCHEDDP355838SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP377112SURVEYUNRESEARCHEDDP3771361SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP37751SURVEYUNRESEARCHEDDP38004SURVEYUNRESEARCHEDDP39253COMPILATIONUNRESEARCHEDDP39253COMPILATIONUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHED	DP322000	SURVEY	UNRESEARCHED
DP331064SURVEYUNRESEARCHEDDP3381064SURVEYUNRESEARCHEDDP338466SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP339193SURVEYUNRESEARCHEDDP339836COMPILATIONUNRESEARCHEDDP358538SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP39253COMPILATIONUNRESEARCHEDDP39253COMPILATIONUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP405099SURVEYUNRESEARCHEDDP405099SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP4050251SURVEYSUBDIVISION		SURVEY	
DP337477SURVEYUNRESEARCHEDDP338466SURVEYUNRESEARCHEDDP338731SURVEYUNRESEARCHEDDP339193SURVEYUNRESEARCHEDDP339836COMPILATIONUNRESEARCHEDDP365838SURVEYUNRESEARCHEDDP362711SURVEYUNRESEARCHEDDP3667039SURVEYUNRESEARCHEDDP367039SURVEYUNRESEARCHEDDP36706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP377551SURVEYUNRESEARCHEDDP381712SURVEYUNRESEARCHEDDP386488SURVEYUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414201SURVEYUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYUNRESEARCHED			
DP338731SURVEYUNRESEARCHEDDP339193SURVEYUNRESEARCHEDDP339836COMPILATIONUNRESEARCHEDDP35838SURVEYUNRESEARCHEDDP362211SURVEYUNRESEARCHEDDP367039SURVEYUNRESEARCHEDDP36706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP37609SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP37109SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP377551SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP38044SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP39266SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP40666SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP41420SURVEYUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBDIVISION			
DP338731SURVEYUNRESEARCHEDDP339193SURVEYUNRESEARCHEDDP339836COMPILATIONUNRESEARCHEDDP355838SURVEYUNRESEARCHEDDP362211SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP373601SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP37553SURVEYUNRESEARCHEDDP38044SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP397253SURVEYUNRESEARCHEDDP392646SURVEYUNRESEARCHEDDP40646SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414201COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBUVISION	DP338466	SURVEY	UNRESEARCHED
DP339193SURVEYUNRESEARCHEDDP339836COMPILATIONUNRESEARCHEDDP355838SURVEYUNRESEARCHEDDP362211SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP37109SURVEYUNRESEARCHEDDP37501SURVEYUNRESEARCHEDDP37509SURVEYUNRESEARCHEDDP37510SURVEYUNRESEARCHEDDP37511SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP401533SURVEYUNRESEARCHEDDP402666SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414201COMPILATIONUNRESEARCHEDDP414320SURVEYUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYUNRESEARCHED		SURVEY	UNRESEARCHED
DP339836COMPILATIONUNRESEARCHEDDP355838SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371029SURVEYUNRESEARCHEDDP371029SURVEYUNRESEARCHEDDP37501SURVEYUNRESEARCHEDDP37509SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP37751SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP37553COMPILATIONUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414201COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYUNRESEARCHED			
DP355838SURVEYUNRESEARCHEDDP362211SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP373601SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP37751SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392343SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP401533SURVEYUNRESEARCHEDDP405099SURVEYUNRESEARCHEDDP40509SURVEYUNRESEARCHEDDP41531SURVEYUNRESEARCHEDDP41532SURVEYUNRESEARCHEDDP41533SURVEYUNRESEARCHEDDP41531SURVEYUNRESEARCHEDDP41532SURVEYUNRESEARCHEDDP41533SURVEYUNRESEARCHEDDP41531SURVEYUNRESEARCHEDDP41532SURVEYUNRESEARCHEDDP41533SURVEYUNRESEARCHEDDP41531SURVEYUNRESEARCHEDDP41532SURVEYUNRESEARCHEDDP41533SURVEYUNRESEARCHEDDP41533SURVEYUNRESEARCHEDDP41533SURVEYUNRESEARCHED			
DP362211SURVEYUNRESEARCHEDDP367939SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371899SURVEYUNRESEARCHEDDP37501SURVEYUNRESEARCHEDDP377509SURVEYUNRESEARCHEDDP37751SURVEYUNRESEARCHEDDP37751SURVEYUNRESEARCHEDDP37534SURVEYUNRESEARCHEDDP37551SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP401533SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414261SURVEYUNRESEARCHEDDP414200SURVEYUNRESEARCHEDDP414201SURVEYUNRESEARCHEDDP414201SURVEYUNRESEARCHEDDP414201SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP414200SURVEYUNRESEARCHEDDP414200SURVEYSUBDIVISION			
DP367939SURVEYUNRESEARCHEDDP369706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371899SURVEYUNRESEARCHEDDP373601SURVEYUNRESEARCHEDDP377099SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP377551SURVEYUNRESEARCHEDDP381712SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP401533SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414290SURVEYUNRESEARCHEDDP414201SURVEYUNRESEARCHEDDP500251SURVEYUNRESEARCHED			
DP369706SURVEYUNRESEARCHEDDP371028SURVEYUNRESEARCHEDDP371899SURVEYUNRESEARCHEDDP373601SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP37751SURVEYUNRESEARCHEDDP381712SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP401533SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBDIVISION			
DP371028SURVEYUNRESEARCHEDDP371899SURVEYUNRESEARCHEDDP373601SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP377551SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP41533SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBDIVISION			
DP371899SURVEYUNRESEARCHEDDP373601SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP377551SURVEYUNRESEARCHEDDP381712SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP401533SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBDIVISION			
DP373601SURVEYUNRESEARCHEDDP375099SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP377551SURVEYUNRESEARCHEDDP381712SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP401533SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBDIVISION			
DP375099SURVEYUNRESEARCHEDDP377106SURVEYUNRESEARCHEDDP377551SURVEYUNRESEARCHEDDP381712SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP401533SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBDIVISION			
DP377106SURVEYUNRESEARCHEDDP377551SURVEYUNRESEARCHEDDP381712SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP401533SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBDIVISION			
DP377551SURVEYUNRESEARCHEDDP381712SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP401533SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBDIVISION			
DP381712SURVEYUNRESEARCHEDDP385488SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP401533SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBDIVISION			
DP385488SURVEYUNRESEARCHEDDP392344SURVEYUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP401533SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBDIVISION			
DP392344SURVEYUNRESEARCHEDDP397253COMPILATIONUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP401533SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBDIVISION			
DP397253COMPILATIONUNRESEARCHEDDP398004SURVEYUNRESEARCHEDDP401533SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBDIVISION			
DP398004SURVEYUNRESEARCHEDDP401533SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBDIVISION			
DP401533SURVEYUNRESEARCHEDDP402646SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBDIVISION			
DP402646SURVEYUNRESEARCHEDDP405009SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBDIVISION			
DP405009SURVEYUNRESEARCHEDDP411207SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBDIVISION			
DP411207SURVEYUNRESEARCHEDDP414261COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBDIVISION			
DP414261COMPILATIONUNRESEARCHEDDP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBDIVISION	DP405009	SURVEY	UNRESEARCHED
DP414920SURVEYUNRESEARCHEDDP500251SURVEYSUBDIVISION	DP411207	SURVEY	UNRESEARCHED
DP500251 SURVEY SUBDIVISION		COMPILATION	UNRESEARCHED
DP500251 SURVEY SUBDIVISION	DP414920	SURVEY	UNRESEARCHED
		SURVEY	SUBDIVISION

Caution: This information is provided as a searching aid only. Whilst every endeavour is made the ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For **ALL**

ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps.



Locality : NORTH TAMWORTH

LGA : TAMWORTH REGIONAL

Parish : TAMWORTH

	SERVICES LGA	TAMWORTH REGIONAL	County : INGLIS
			-
Plan		Surv/Comp	Purpose
DP500255		SURVEY	SUBDIVISION
DP502813		SURVEY	SUBDIVISION
DP505056		COMPILATION	SUBDIVISION
DP509962		SURVEY	SUBDIVISION
DP514596		SURVEY	SUBDIVISION
DP515933		SURVEY	SUBDIVISION
DP521675		SURVEY	SUBDIVISION
DP529855		SURVEY	SUBDIVISION
DP547777		SURVEY	SUBDIVISION
DP577771		SURVEY SURVEY	SUBDIVISION
DP582401 DP599841		COMPILATION	SUBDIVISION SUBDIVISION
DP602489		SURVEY	SUBDIVISION
DP602802		SURVEY	SUBDIVISION
DP621717		SURVEY	SUBDIVISION
DP624629		COMPILATION	CONSOLIDATION
DP625470		COMPILATION	CONSOLIDATION
DP626018		COMPILATION	CONSOLIDATION
DP701079		SURVEY	SUBDIVISION
DP705077		COMPILATION	CROWN FOLIO CREATION
DP705079		SURVEY	CROWN FOLIO CREATION
DP710383		COMPILATION	SUBDIVISION
DP711064		COMPILATION	CONSOLIDATION
DP712550		SURVEY	SUBDIVISION
DP753848		COMPILATION	CROWN ADMIN NO.
DP787936		SURVEY	SUBDIVISION
DP794449		COMPILATION	SUBDIVISION
DP805420		COMPILATION	SUBDIVISION
DP807724		SURVEY	SUBDIVISION
DP809261		SURVEY	SUBDIVISION
DP809828		SURVEY	SUBDIVISION
DP814457		SURVEY	SUBDIVISION
DP817048		SURVEY	SUBDIVISION
DP831763		SURVEY	SUBDIVISION
DP837819 DP843333		SURVEY SURVEY	SUBDIVISION SUBDIVISION
DP845242		SURVEY	SUBDIVISION
DP848978		SURVEY	SUBDIVISION
DP850962		SURVEY	SUBDIVISION
DP851503		SURVEY	SUBDIVISION
DP867509		SURVEY	CONSOLIDATION
DP879868		SURVEY	SUBDIVISION
DP940397		COMPILATION	UNRESEARCHED
DP940398		COMPILATION	UNRESEARCHED
DP1026894		SURVEY	SUBDIVISION
DP1062507		SURVEY	SUBDIVISION
DP1065252		SURVEY	SUBDIVISION
DP1065791		SURVEY	SUBDIVISION
DP1067396		SURVEY	SUBDIVISION
DP1073954		SURVEY	SUBDIVISION
DP1075815		SURVEY	SUBDIVISION
DP1081866		SURVEY	SUBDIVISION
DP1101001		COMPILATION	CONSOLIDATION
DP1113727		SURVEY	SUBDIVISION
DP1114638		SURVEY	SUBDIVISION
DP1118938		SURVEY	ROADS ACT, 1993
DP1119787		COMPILATION	ROADS ACT, 1993
DP1123106		SURVEY	SUBDIVISION
DP1127918		SURVEY	SUBDIVISION
DP1138439			
DP1140190			SUBDIVISION
DP1140190			SUBDIVISION
DP1152231			SUBDIVISION
DP1152231 DP1158146		UNRESEARCHED COMPILATION	SUBDIVISION CROWN LAND CONVERSION
DP1158146 DP1159323		COMPILATION	CROWN LAND CONVERSION
Caution:	This is fair the		bilst every endeavour is made the ensure that current man plan an
CONTRACTOR -	I DIC Information ic D	rovidod oc o coorchind old only M	plies avoid and avoid the made the ancure that current man plan an

Caution: This information is provided as a searching aid only. Whilst every endeavour is made the ensure that current map, plan and

titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For ALL

ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps.



Locality : NORTH TAMWORTH

Parish : TAMWORTH

NSW REGISTRY	Locality . NORTH TAWWORTH	Falish. TAWWORTH
SERVICES	LGA : TAMWORTH REGIONAL	County : INGLIS
Plan	Surv/Comp	Purpose
DP1159337	COMPILATION	CROWN LAND CONVERSION
DP1159338	COMPILATION	CROWN LAND CONVERSION
DP1168984	SURVEY	SUBDIVISION
DP1168984	UNRESEARCHED	SUBDIVISION
DP1173089	SURVEY	CONSOLIDATION
DP1176430	SURVEY	SUBDIVISION
DP1181268	SURVEY	RESUMPTION OR ACQUISITION
DP1185500	SURVEY	SUBDIVISION
DP1190692	COMPILATION	CONSOLIDATION
DP1198311	SURVEY	SUBDIVISION
DP1198311	UNRESEARCHED	SUBDIVISION
DP1199017	SURVEY	SUBDIVISION
DP1199449	SURVEY	CONSOLIDATION
DP1199449	UNRESEARCHED	CONSOLIDATION
DP1206794	SURVEY	SUBDIVISION
DP1212334	SURVEY	SUBDIVISION
DP1219373	SURVEY	SUBDIVISION
DP1231114	SURVEY	REDEFINITION
DP1233761	SURVEY	REDEFINITION
DP1233761	UNRESEARCHED	REDEFINITION
DP1243825	SURVEY	SUBDIVISION
DP1248231	SURVEY	SUBDIVISION
SP18355	COMPILATION	STRATA PLAN
SP18437	COMPILATION	STRATA PLAN
SP18925	COMPILATION	STRATA PLAN
SP30550	COMPILATION	STRATA PLAN
SP37260	COMPILATION	STRATA PLAN
SP38671	COMPILATION	STRATA PLAN
SP39444	COMPILATION	STRATA PLAN
SP42622	COMPILATION	STRATA PLAN
SP46006	COMPILATION	STRATA PLAN
SP47818	COMPILATION	STRATA PLAN
SP48021	COMPILATION	STRATA PLAN
SP48479	COMPILATION	STRATA PLAN
SP52716	COMPILATION	STRATA PLAN
SP71381		STRATA PLAN
SP74886		STRATA PLAN
SP79603		STRATA PLAN
SP83382		STRATA PLAN
SP96078		STRATA PLAN
SP96078		STRATA PLAN
SP98897 SP98897	COMPILATION UNRESEARCHED	STRATA PLAN STRATA PLAN
SF 30031	UNRESEARCHED	STRATA FLAN

 Caution:
 This information is provided as a searching aid only. Whilst every endeavour is made the ensure that current map, plan and titling information is accurately reflected, the Registrar General cannot guarantee the information provided. For ALL

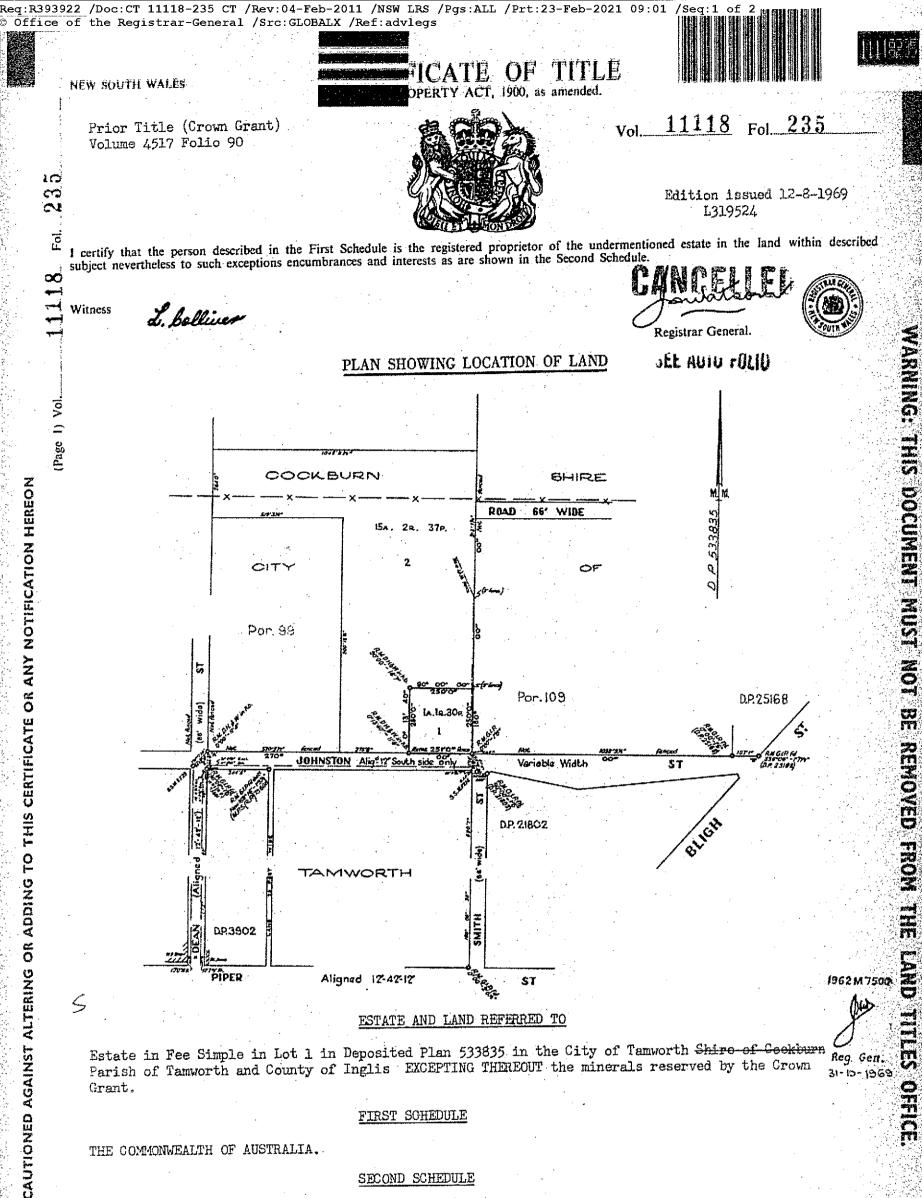
 ACTIVITY PRIOR TO SEPTEMBER 2002 you must refer to the RGs Charting and Reference Maps.

Req:R393923 /Doc:CT 11100-035 CT /Rev:04-Feb-2011 /NSW LRS /Pgs:ALL /Prt:23-Feb-2021 09:01 /Seq © Office of the Registrar-General /Src:GLOBALX /Ref:advlegs OF NEW SOUTH WALES 1900, as amended. ACL 11100 35 Fol. Prior Title (Crown Grant) Vol. Volume 4517 Folio 90 Edition issued 22-7-1969 Fol I certify that the person described in the First Schedule is the registered proprietor of the undermentioned estate in the land within described subject nevertheless to such exceptions encumbrances and interests as are shown in the Second Schedule L. balliver Witness Registrar General. WARNING: THIS DOCUMENT MUST SEE AUTO FOLIO PLAN SHOWING LOCATION OF LAND (Page 1) Vol. ISTI'NK AGAINST ALTERING OR ADDING TO THIS CERTIFICATE OR ANY NOTIFICATION HEREON COCKBURN SHIRE ROAD 66 WIDE 533835 15A. 24. 37P. 2 CITY OF Por: 99 NOT **7** 2500 Por. 109 D.P.25168 la le 30a REMOVED FROM 1714 JOHNSTON Alig 17 Se Variable Width ST BILEH DP. 21802 12.42 TAMWORTH DR3902 LAND SNI PIPER Aligned 12-42-12 \$T TITLES ESTATE AND LAND REFERRED TO OFFICE Estate in Fee Simple in Lot 2 in Deposited Plan 533835 in the City of Tamworth and Shire of EXCEPTING THEREOUT the minerals reserved Cockburn Parish of Tamworth and County of Inglis. S AUTIONED by the Crown Grants. 1969MG414 FIRST SCHEDULE THE TAMWORTH BASE HOSPITAL TAMWORTH DISTRICT HOSPITAL THE-HEG.GEN ARE SECOND SCHEDULE 7-1-1970 CRM PERSONS 1. Reservations and conditions, if any, contained in the Crown Grant above referred to. Registrar General.

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED.

REGISTERED PROPRIETOR		AATURE ENTERED	INSTRUMEN NUMBER NUMBER	OATE A CALLER AND A	ENTERED	Signature of Registrar General
CANCELED SEE MILE DOLO SEE MILE DOLO NAVOR INSTRUMENT NAVOR ONE ONE DOLO	HEDULE (continued)		Signature of		CANCELLATION	
CANCELED Strawing bullo Nature Instrument In	HEDULE (continued)		Signature of		CANCELLATION	
CANCELLED SEE MITE ENLO NATURE I NUTRIENT DATE	HEDULE (continued)		Signature of		CANCELLATION	
CANCELLED SEE ANTE EDLO SEE ANTE EDLO MARINE DATE MARINE DATE MARI	HEDULE (continued)		Signature of		CANCELLATION	
CANCELLD SEE AUID EQUO NATIONA	HEDULE (continued)		Signature of		CANCELLATION	
CANCELLED SEE AUIG EQUO	HEDULE (continued)		Signature of		CANCELLATION	
CANCLE OF MICE DO	HEDULE (continued)		Signature of		CANCELLATION	
CANCELLER SEE MUD EOLO INTRUMENT INT	HEDULE (continued)		Signature of		CANCELLATION	
ALLO EDLO	HEDULE (continued)		Signature of Signature of		CANCELLATION	
ALL DUDU INSTRUMENT DATE MATCINE 1 DATE MATCINE 1 DATE PARTICI	HEDULE (continued)		Signature of Aegistriar General		CANCELLATION	
SEE MIG EVIO INSTRUMENT MANUE L DATE MUGENT DATE	HEDULE (continued)		Signature of		CANCELLATION	
NATURE I AVERATIONELLE PARTICI	HEDULE (continued)		Signature of Aegistrar General		CANCELLATION	
NUNE INTRUMENT ENTRU-	HEDULE (continued)		Signature of Aeneral		CANCELLATION	
ANDRE I NUMENT DATE PARTO	HEDULE (continued)		Signature of Aegistriar General		CANCELLATION	
NATURE I NATURENT DATE NATURE I DATE DATE	HEDULE (continued)		Signature of Aceteral		CANCELLATION	
NATURE I NUTRUMENT NATURE I DATE DATE DATE DATE	HEDULE (continued)		Signature of Registriar General		CANCELLATION	
INSTRUMENT INSTRUMENT DATE DATE			Signature of Registrar General		CANCELLATION	
				T SHE'S ALL AND		
			-			
				neeroo ean innan e a ar an an a sua anna a		
				vinant matched and this is and the a set formation without an		
	n ma de la companya d	a manual from the contract of the second fitting of the second second second second second second second second	 An example a many star must be example and the second starts a second starts a second starts a second starts a second starts and second starts a second starts a	Africa and provide the description of the second state of the seco		
	or a ballon of a second s			n na marana a namana mana mangan han		
	A nambol 2 A na Bayar Alexan An An An Angala An An Angala Angala An Angala Angala Angala Angala Angala Angala A					
	and a second			and the second sec		
				alan ana ana ana ana ana ana ana ana ana	· · · · · · · · · · · · · · · · · · ·	
	and the second					
				a secondar mana pana pana panapan panaka " yang men di se siya me	a not don't to a sub-transmission of the sub-transmission of the	and a set of the second se

3.2 00ITI .loV ioT



PERSONS ARE

SECOND SCHEDULE

1. Reservations and conditions, if any, contained in the Crown Grant above referred to. GRM

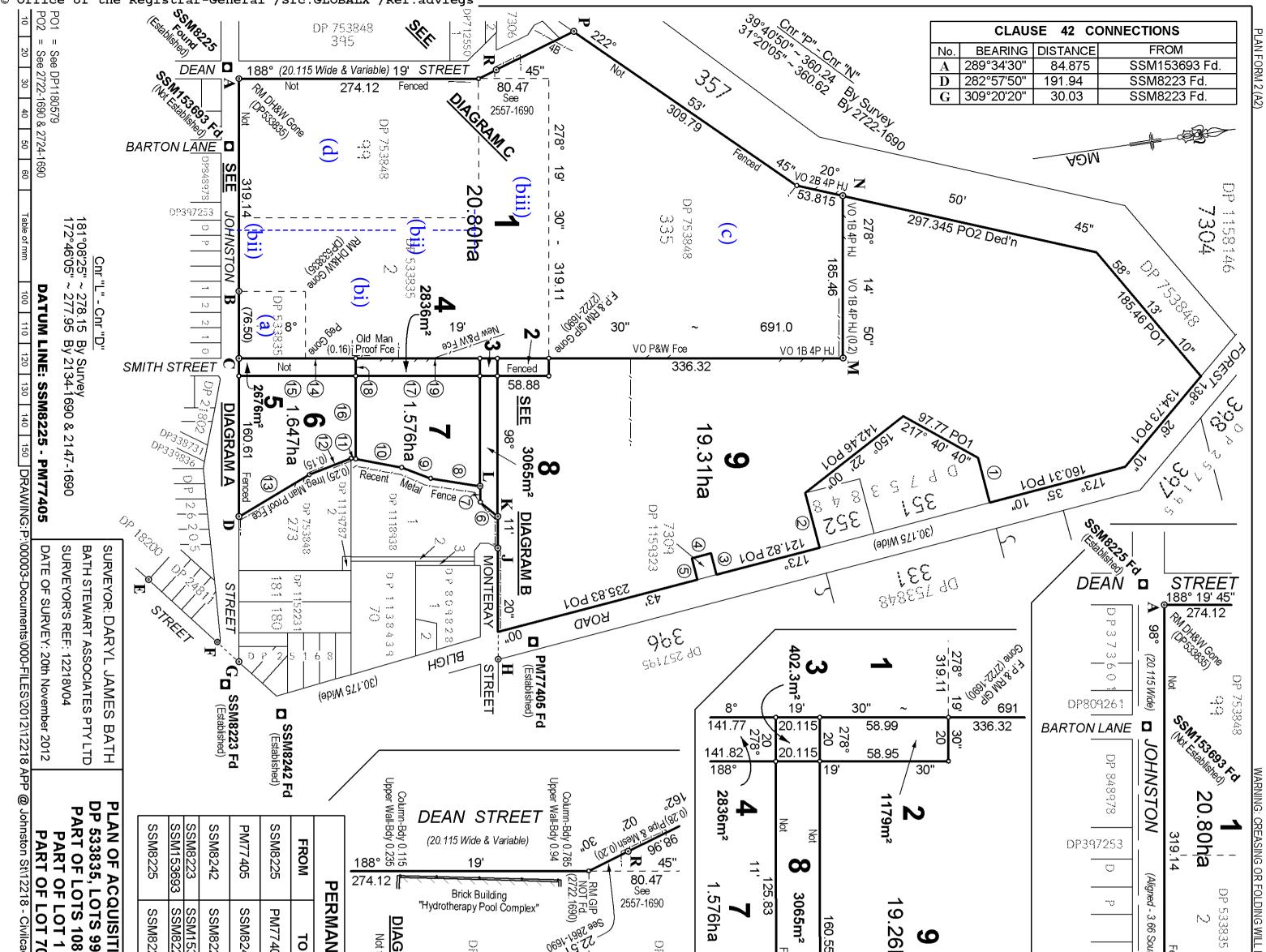
Registrar General

NOTE: ENTRIES RULED THROUGH AND AUTHENTICATED BY THE SEAL OF THE REGISTRAR GENERAL ARE CANCELLED.

INSTRUMENT ENTERED Signature of Registrar General Registrar General		(continued)	ENTERED Signature of CANCELLATION CANCELLATION					
REGISTERED PROPRIETOR	SEE AUIU FOLIU	SECOND SCHEDULE (co	PARTICULARS				anana ang na ananananan mananananan mananananan kananan kananan kananan kananan kananan kananan kananan kananan	
REC			INSTRUMENT i NUHBER i DATE	· · · · · · · · · · · · · · · · · · ·				

•

Req:R393921 /Doc:DP 1181268 P /Rev:18-Jan-2013 /NSW LRS /Pgs:ALL /Prt:23-Feb-2021 09:01 /Seq:1 of 3 © Office of the Registrar-General /Src:GLOBALX /Ref:advlegs _____



DP1181268

TION OF LC)9, & 335 IN)8 & 109 IN 1 IN DP 117 7008 IN DP		93	3223 216	173°	405 70	O I	NENT MARK		of to Scale			DP 753848 00	-	_	065		0 	N	DP 533835			20" مع	₂ Fenœd	55 Fen		Sha					N		Cide	P 5
DP 7538 DP 7538 DP7538 5412, &		- 607		"38'11"" "38'02"	°14'51" -	CONNECT	CONNEC		98,00			12 167°07'20" 13 157°37'30"			7 278°11'20" 8 197°11'20"	5 83°43' 6 227°32'		1 263°43'10" 2 83°43'10"	NUMBER BEARII		Meta				11' 🕹	Not to	חואפ		SM) ITH S			(76.50) (0.00 & M (0.10 (0.06) (0.00)	9) Pipe Vlesh Fce 95) Conc Kt. Wall
LGA: TAMWORTH I LOCALITY: NORTH TAI SUBDIVISION NO: LENGTHS ARE IN METRES REDUCTION RATIO 1:3500	By Survey By Survey By MGA Ground	By Survey	By Survey	By Survey By MGA Ground	By Survey By MGA Ground	TION	TIONS		20'30'' 20 20'30'' 20			20" 51.34 30" 93.81						10" 52.82 PO1 10" 64.37 PO1			0 0 0					Not to Scale				Do	⁰ ^p ² ¹ ⁸ ⁰ ²	(Variable Width)		0) Conc. Rt. Wall
TAMWORTH	SOURCE: M.G.A. CO-OF	PM77405	SSM153693	SSM8225	SSM8223	MARK		SURVE	R	P Z					++	-+	⊥ 73		B	A .		DP 8098	RAY (20.115 Wide &	_/ 95.54//	20						38737 9836 0		160.61 Fenced	
Registered:	COMBINED SCA	302 551.416	7	307 839.912	302 541.660	EASTING	M.G.A. CO-O	YING & S		54 <u>-</u>		1 <u>2</u> 5 5		20 ⁻	1 [°] 22 U.435 14° 29' 0.495	3 <u>6</u> 6	<u> </u>	20"		52° 38' 25.43	101	28	Variable)	4P (1.7) 278°11'20"	109 EE	2392 173° A 173° A 173° A		Q			2 6 2 0	TRE	D (0.16) Face of F	UBJ DP 753848
	D SCALE FACTOR: 1.000012 ADOPTED FROM S.C.I.M.S.	6 560 452.128	6 560 183.641	6 560 196.636 6 560 154 064		G	CO-ORDINATES	PATIAL INFORMATION REGULATION	R.M.	R.M.		R.M.	R.M.	R.M.	R.M.		ייש			R.M.	ନି ନ		STREET	H	-		PM77405 Fd (Established)		50.		× 0 × 0 × 0 × 0 × 0 × 0 × 0 × 0		-ence 30"	8 DP 1152
P118,	00012 .M.S. AT 17.10.2012	A -			>\C \ ω\			REGULATION 2	Fd	리급	IPE Fd. (DF 1110930) IPE Fd. (2722-1690)	ׅׅׅׅׅׅׅׅׅׅׅׅׅׅ֬֬֬֬֬֬֬֬֬֬֬֬֬֬֬֬֬֬֬֬֬֬֬	DH&W Fd. By Survey DH&W Fd. (DP 1118938)	G.I.PIPE Fd. (2596-1690) DH&W Fd. (DP 1118938)	IPE Fd. 0.45 DEEP	Leaning	A. G.I.PIPE	W in TK 10 533835)	W Fd. By Survey W Fd. By Survey	8225 Fd. (DP 533)										ICI,	(30,775 M	Ch 13 23 25	08	N) (L)
1268	112			Fd. SCIMS		METTS ORIG		2012	11)	90)			38)	90) 38)	Y EP (DP 25168)	(DP 24811)				835)	MARKS								DIAGRAM A Not to Scale			C SSM8223 Fd (Established)	\sim	

Req:R393921 /Doc:DP 1181268 P /Rev:18-Jan-2013 /NSW LRS /Pgs:ALL /Prt:23-Feb-2021 09:01 /Seq:2 of 3 © Office of the Registrar-General /Src:GLOBALX /Ref:advlegs 38

PLAN FORM 6 (2012) WARNING: Creasing or fe	olding will lea	ad to rejectio	n	ePlan			
DEPOSITED PLAN AD	MINISTRA	ATION SHI	E ET S	heet 1 of 2	Sheet(s)		
Office Use Only Registered: 15.1.2013					e Use Only		
Title System: TORRENS		DP1	181	268			
Purpose: ACQUISITION							
PLAN OF ACQUISITION OF LOTS 1 & 2 IN DP533835, LOTS 99 & 335 IN DP753848, PART OF LOTS 108 & 109 IN DP753848, PART LOT 1 IN DP1175412, & PART OF LOT 7008 IN DP1076546		Iorth Tamw amworth	H REGIO	NAL			
Crown Lands NSW/Western Lands Office Approval		Su	rvey Certific	ate			
I, (Authorised Officer) in	I, DARYI	L JAMES B	BATH				
approving this plan certify that all necessary approvals in regard to the allocation of the land shown herein have been given.	of BATH,	STEWART A	ASSOCIATE	CS Pty Ltd			
Signature:	PO Box 4	03, Tamworth	NSW 2340 (Te	el: 02 6766-596	6)		
Date:	a surveyor re 2002, certify f		the Surveying	and Spatial Inf	ormation Act		
File Number:	Surveying	g and Spatial II	l an was survey n<i>formation Reg</i> npleted on	ulation 2012, is	s accurate		
Subdivision Certificate I, *Authorised Person/*General Manager/*Accredited Certifier, certify that the provisions of s.109J of the <i>Environmental Planning and</i>	 *(b) The part of the land shown in the plan excluding part of Lot 9 was surveyed in accordance with the Surveying and Spatial Information Regulation 2012, is accurate and the survey was completed on, 20th November 2012. The part not surveyed was compiled in accordance with that Regulation. 						
Assessment Act 1979 have been satisfied in relation to the proposed subdivision, new road or reserve set out herein.			olan was compi		ice with the		
Signature:	Signature:	A	TS-	Dated: '	22.11.2012		
Accreditation number:	-	-/ /		Daleu. A	64.11.4014		
Consent Authority: TAMWORTH REGIONAL COUNCIL	Surveyor ID:		3447740E				
Date of endorsement:		SSM8225 – I	°W1/7400				
Subdivision Certificate number:	Type: Urban		iting / *Steep-M	lountainoua			
*Strike through if inapplicable.	*Strike through	n if inapplicable.	ASpecify the land ASpecify the land hat is not the sub	d actually survey			
Statements of intention to dedicate public roads, public reserves and	Plans used in	the preparation	on of survey/cor	npilation.			
drainage reserves.	DP12210	DP533835	DP1152231	2861-1690	46-1393		
IT IS INTENDED TO ACQUIRE LOTS 1 TO 5, INCLUSIVE,	DP21802	DP602489	DP1175412	2134-1690			
FOR THE PURPOSES OF THE HEALTH ADMINISTRATION ACT 1982, AS REFERRED TO BY NOTICE IN THE NSW	DP24811	DP712550	DP1180579	2722-1690			
GOVERNMENT GAZETTE No. 130 FOLIO 5244 DATED	DP25168	DP809828	1793-1690	2724-1690			
21.12.2012.	DP26205	DP1076546	2147-1690	2596-1690			
	DP48401	DP1099608	2149-1690	2796-1690			
	DP257195	DP1118938	2557-1690	43-1393			
	If s	pace is insuffic	cient continue o	n PLAN FORM	16A		
Signatures, Seals and Section 88B Statements should appear on PLAN FORM 6A		Reference:					
	•						

Req:R393921 /Doc:DP 1181268 P /Rev:18-Jan-2013 /NSW LRS /Pgs:ALL /Prt:23-Feb-2021 09:01 /Seq:3 of 3 © Office of the Registrar-General /Src:GLOBALX /Ref:advlegs 38

PLAN FORM 6A (2012)	WARNING	: Creasing or foldi	ng will lead to rejection	ePlan	
	DEPOSITE	ED PLAN ADM	INISTRATION SHEE	T Sheet 2 of 2	Sheet(s)
Registered: 🏟 1	Ofi 5.1.2013	fice Use Only			ce Use Only
PLAN OF ACQUISI DP533835, LOTS 99 OF LOTS 108 & 109 IN DP1175412, & PA	& 335 IN DP7538 IN DP753848, PA	48, PART	is sheet is for the provision of A schedule of lots and add	Ŷ	as required:
DP1076546 Subdivision Certificate nun Date of Endorsement:		•	Statements of intention to a accordance with section 88 Signatures and seals- see Any information which can 1 of the administration she	B Conveyancing Act 191 195D Conveyancing Act not fit in the appropriate p	19 1919
Lot	Street Number	Street Name	Street Type	Locality]
1	NA		Street	North Tamworth	-
2	NA	Johnston	Street	North Tamworth	1

NA NA

Johnston

Johnston

NA

NA

Forest

NA

NA

Street

Street

NA

NA

Road

North Tamworth

If space is insufficient use additional annexure sheet

Surveyor's Reference: 12218V04

3

4

5

6

7

8

9

NA

NA

NA

NA

NA

NA

NA





SEARCH DATE 23/2/2021 9:03AM

FOLIO: 1/533835

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 11118 FOL 235

Recorded	Number	Type of Instrument	C.T. Issue
28/3/1988		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
4/7/1988		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
12/12/1995	0760325	TRANSFER	EDITION 1
28/3/1996	0792878	LEASE	EDITION 2
23/6/1998	5074693	SURRENDER OF LEASE	EDITION 3
7/1/2013	AH466802	DEPARTMENTAL DEALING	
15/1/2013	DP1181268	DEPOSITED PLAN	
24/6/2013	AH622164	REQUEST	FOLIO CANCELLED

*** END OF SEARCH ***

advlegs

PRINTED ON 23/2/2021





SEARCH DATE 23/2/2021 9:03AM

FOLIO: 1/1181268

		VOL 5159 FOL 106 VOL 4517 FOL 90 1-2/533835 335/753848			93
Recorded	Number	Type of Instrument			C.T. Issue
15/1/2013	DP1181268	DEPOSITED PLAN			LOT RECORDED FOLIO NOT CREATED
24/6/2013	AH827345	DEPARTMENTAL DEALI	NG		FOLIO CREATED EDITION 1
23/4/2014	DP1195542	DEPOSITED PLAN			
20/5/2015	AJ356883	TRANSFER GRANTING	EASEMENT	I	EDITION 2
23/5/2017	AM412160	LEASE			EDITION 3
19/7/2018	AN471831	APPLICATION FOR RE ACTION AFFECTING C		-	
4/8/2020	AQ294846	DEPARTMENTAL DEALI	NG		
	* * *	END OF SEARCH ***			

advlegs

PRINTED ON 23/2/2021





SEARCH DATE 23/2/2021 9:03AM

FOLIO: 2/533835

First Title(s): SEE PRIOR TITLE(S)
Prior Title(s): VOL 11100 FOL 35

Recorded	Number	Type of Instrument	C.T. Issue
28/3/1988		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
30/6/1988		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
10/5/1989	Y342683	LEASE	EDITION 1
13/1/1998	3726462	LEASE	EDITION 2
9/3/1998	3841863	CHANGE OF NAME	EDITION 3
19/7/1999	5994173	LEASE	EDITION 4
7/1/2013	AH466802	DEPARTMENTAL DEALING	
15/1/2013	DP1181268	DEPOSITED PLAN	
24/6/2013	AH622164	REQUEST	FOLIO CANCELLED

*** END OF SEARCH ***

advlegs

PRINTED ON 23/2/2021





SEARCH DATE 23/2/2021 9:03AM

FOLIO: 99/753848

First Title(s): SEE PRIOR TITLE(S) Prior Title(s): VOL 601 FOL 193

Recorded	Number	Type of Instrument	C.T. Issue
15/2/1989		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
29/1/1991		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
2/5/1991		AMENDMENT: TITLE DIAGRAM	
2/12/1997	3630592	APPLICATION FOR REPLACEMENT CERTIFICATE OF TITLE	EDITION 1
13/1/1998	3726462	LEASE	EDITION 2
9/3/1998	3841863	CHANGE OF NAME	EDITION 3
19/7/1999	5994173	LEASE	EDITION 4
8/1/2001	7324434	DEPARTMENTAL DEALING	
7/1/2013	AH466802	DEPARTMENTAL DEALING	
15/1/2013	DP1181268	DEPOSITED PLAN	
24/6/2013	AH622164	REQUEST	FOLIO CANCELLED

*** END OF SEARCH ***

advlegs

PRINTED ON 23/2/2021

Obtained from NSW LRS on 23 February 2021 08:02 AM AEST

© Office of the Registrar-General 2021





SEARCH DATE 23/2/2021 9:03AM

FOLIO: 335/753848

First Title(s): SEE PRIOR TITLE(S) Prior Title(s): VOL 5159 FOL 106

Recorded	Number	Type of Instrument	C.T. Issue
21/2/1989		TITLE AUTOMATION PROJECT	LOT RECORDED FOLIO NOT CREATED
28/6/1989		CONVERTED TO COMPUTER FOLIO	FOLIO CREATED CT NOT ISSUED
2/5/1991		AMENDMENT: TITLE DIAGRAM	
7/1/2013	AH466802	DEPARTMENTAL DEALING	
15/1/2013	DP1181268	DEPOSITED PLAN	
24/6/2013	AH622164	REQUEST	FOLIO CANCELLED
	* * *	END OF SEARCH ***	

advlegs

PRINTED ON 23/2/2021





FOLIO: 1/1181268

SEARCH DATE	TIME	EDITION NO	DATE
23/2/2021	9:03 AM	3	23/5/2017

LAND

LOT 1 IN DEPOSITED PLAN 1181268 AT NORTH TAMWORTH LOCAL GOVERNMENT AREA TAMWORTH REGIONAL PARISH OF TAMWORTH COUNTY OF INGLIS TITLE DIAGRAM DP1181268

FIRST SCHEDULE

HEALTH ADMINISTRATION CORPORATION

SECOND SCHEDULE (3 NOTIFICATIONS)

- 1 LAND EXCLUDES MINERALS OF THE PART(S) FORMERLY IN LOT 355 IN DP753848, LOT 1 IN DP533835 & LOT 2 IN DP533835
- 2 AJ356883 EASEMENT FOR UNDERGROUND POWER LINES 2 WIDE AFFECTING THE PART SHOWN AS "PROPOSED EASEMENT FOR UNDERGROUND POWER LINES 2 WIDE" IN DP1195542.
- 3 AM412160 LEASE TO HS CATERER PTY LTD OF SHOP 1. CAFE SHOP 2 & CANCER CLINIC SHOP 3, 31 DEAN STREET, TAMWORTH. EXPIRES: 31/5/2021. OPTION OF RENEWAL: 5 YEARS.

NOTATIONS

NOTE: THIS FOLIO MAY BE ASSOCIATED WITH A CROWN TENURE WHICH IS SUBJECT TO PAYMENT OF AN ANNUAL RENT. FOR FURTHER DETAILS CONTACT CROWN LANDS.

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

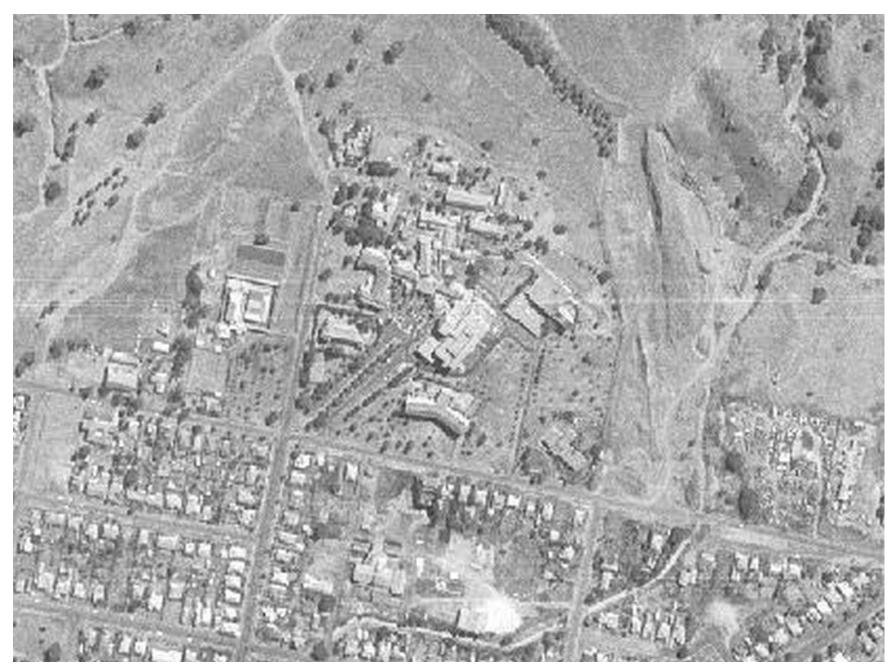
advlegs

PRINTED ON 23/2/2021

Obtained from NSW LRS on 23 February 2021 08:02 AM AEST

© Office of the Registrar-General 2021

* Any entries preceded by an asterisk do not appear on the current edition of the Certificate of Title. Warning: the information appearing under notations has not been formally recorded in the Register. GlobalX hereby certifies that the information contained in this document has been provided electronically by the Registrar General in accordance with Section 96B(2) of the Real Property Act 1900. Note: Information contained in this document is provided by GlobalX Pty Ltd, ABN 35 099 032 596, www.globalx.com.au an approved NSW Information Broker.











Google Earth 2013

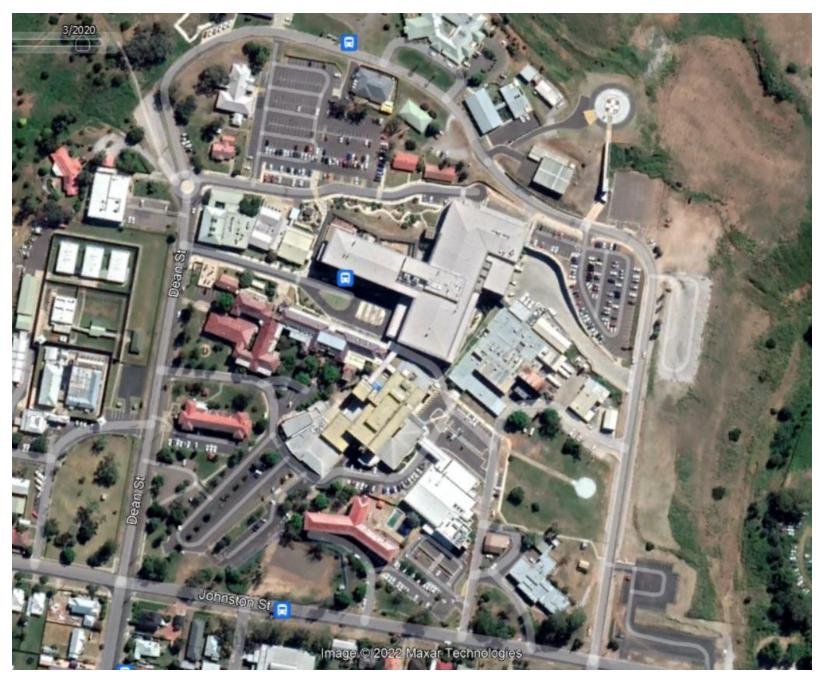


Google Earth 2015













Appendix B

Results of Field Investigations

Regional Geotechnical Solutions RGS32576.1-AR 19 October 2022

				E	INGI	NEE	RING LOG - TEST PIT			т	EST		10: TP-N1
		REGIONA GEOTEC		LC	LIENT	:	RP Infrastructure			P	AGE	≣:	1 of 1
ź		SOLUTIO			ROJE	CT NA	ME: Proposed Ongrade Parks			J	OB	NO:	RGS32576.1
				S	ITE LO	CATI	DN: Tamworth Hospital			L	OG	GED E	SY: LD
				т	EST L	OCAT	ON: North Site			C	ATE		28/9/22
FOI	IIPN		F·	5T Ex	cavato	r	EASTING:	301927	7 m 9	SURF		RI ·	
				0.3 m		IDTH:	2.0 m NORTHING:			DATU			AHD
E	Exca	ation and S	ampling			1	Material description and profile information				Fiel	d Test	
METHOD	WATER	SAMPLES	RL (Not measured	DEPTH (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL	MATERIAL DESCRIPTION: Soil type, plasticit characteristics,colour,minor componer		MOISTURE CONDITION	CONSISTENCY DENSITY	Test Type	Result	Structure and additional observations
ш	Not Encountered	0.05m ES		-		CI	FILL: Gravelly CLAY, medium plasticity, br grained, with rootlets	own, fine			(0.00-1.30m)	3	FILL
	unoou	ез 0.10m		-	X	сн	FILL: Silty CLAY, medium to high plasticity		Å	St	.00-1	<u> </u>	-
	ot Er			0.2	\mathbb{X}	×	grey-brown, fine to medium grained, angul	ar gravel	^ E		DCP (0	3	
	z			-	\bigotimes						B	2	
				-	\bowtie							-	
				0.4	\bigotimes	>						3	
				0.4	\bigotimes								1
				-		> >						5	
				0.6			<u>0.60m</u>					5	
				-	\bigotimes	CI	FILL: Gravelly CLAY, medium plasticity, re fine to coarse grained gravel, with rounded					2	
				-	\bigotimes	×	up to 150mm						
		0.80m		0.8	\mathbb{X}		0.80m					2	
		ES		-		СІ	CLAY: Medium plasticity, pale brown, with gravel, fine to medium grained, angular	some	<pre></pre>	VSt - H		2	
		0.90m		-	<u> </u>		gratol, into to modiam grantoa, angalar		ž				-
				1.0	<u> </u> -							3	
				1.0									
				-								4	
				-	E							7	
				1.2	<u></u>								
				-	<u> </u>		1.30m					14	
				-			Hole Terminated at 1.30 m						
				1.4]								
				-	-								
				1. <u>6</u>	1								
				-	-								
				-									
				4.0	-								
				1.8									
				-	-								
				-	1								
LEGE				Notes, Sa	mples a	nd Tee	s	Consiste	ency			CS (kPa	a) Moisture Condition
Wate							_	VS V	/ery Sof	t	<	25	D Dry
⊻		ter Level	hours	U₅₀ CBR	Bulk s	ample f	er tube sample or CBR testing	FF	Soft Firm		50	5 - 50 0 - 100	M Moist W Wet
►	,	te and time s ter Inflow	í í	E ASS			l sample oil Sample		Stiff /ery Stiff	Ŧ		00 - 200 00 - 400	P
_		ter Outflow		В		Sample		н	Hard			400	
<u>Strata</u>		<u>anges</u> radational or		Field Tes				Density	V		ery Lo	oose	Density Index <15%
	 tra	ansitional stra		PID DCP(x-y)			n detector reading (ppm) etrometer test (test depth interval shown)		L ME		oose lediur	n Dense	Density Index 15 - 35% e Density Index 35 - 65%
		Surve of di		HP ,			meter test (UCS kPa)	1	D		ense		Density Index 65 - 85%
<u>Strata</u>	G		ata	PID DCP(x-y)	Photo Dynar	nic pen	etrometer test (test depth interval shown)		L M	L D N	oose lediur	n Dense	Density Index 15 - 35% Density Index 35 - 65%

					ENGI	NEE	RING LOG - TEST PIT			т	EST	PIT N	IO: TP-N2
		REGION/ GEOTEC		AL	CLIENT	:	RP Infrastructure			Ρ	AGE	:	1 of 1
2		SOLUTIO			PROJE	CT NA	ME: Proposed Ongrade Parks			J	OB	NO:	RGS32576.1
				;	SITE LO	DCATI	ON: Tamworth Hospital			L	OGO	GED B	Y: LD
				-	TEST L	OCAT	ON: North Site			D	ATE		28/9/22
		IENT TYP		5T Ex	cavato		EASTING:	301904		SURF		RL:	
	-	IT LENGT		0.3 m	N W	IDTH:	2.0 m NORTHING:	6560535	5m I	DATU	1		AHD
	Exca	ation and S	Samplir	ng		7	Material description and profile information		1	I	Fiel	d Test	
METHOD	WATER	SAMPLES	RL (Not measure	DEPTI (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL	MATERIAL DESCRIPTION: Soil type, plasticit characteristics,colour,minor component		MOISTURE CONDITION	CONSISTENCY DENSITY	Test Type	Result	Structure and additional observations
Ш	Not Encountered					CI	FILL: Sandy CLAY, medium plasticity, brow to medium grained, with some gravel, fine t 0.10m grained, with rootlets						FILL
	Icour				-XX	СН	FILL: Silty CLAY, medium to high plasticity,		× ×	St -			
	ot Er	0.20m		0.2		X	pale brown, grey, some gravel, fine to medi grained, angular	ium	^ ع	VSt			
	z				-888								
					\mathbb{X}	Å							HP=230kPa
				0.4		k							
		В			\mathbb{X}	k							HP=250kPa
					+								
		0.00			1000	×							
		0.60m	-	0.6	' 								
					\mathbb{X}	>							
						×							
				0.8	\mathbb{R}	×							
					XX	×							
					\gg								
				1.0		×	1.00m						
					- <u></u>	CI	Silty CLAY: Medium plasticity, red-brown		× ×	VSt - H			
									ž				
				1.2									
				1.2									HP=300kPa
					<u> ×</u> _∞								
				1.4	· [1.40m Hole Terminated at 1.40 m				-		HP=450kPa
					1								
					-								
				1.6	5								
					-								
]								
				1.8	-								
]								
					1								
					-								
	END:	1	<u> </u>	Notes, S	amples a	nd Tes	<u>s</u>	Consiste				L CS (kPa 25	
Wat	_	ter Level		U ₅₀			ter tube sample	S S	/ery Soft Soft	L	25	25 5 - 50	M Moist
÷		te and time s	hown)	CBR E			or CBR testing Il sample	1	Firm Stiff			0 - 100 00 - 200	W Wet W _p Plastic Limit
		ter Inflow ter Outflow		ASS B	Acid S		Soil Sample	VSt \	/ery Stiff Iard	F	20	00 - 400 400	F Contraction of the second se
		anges				Sample		Fb F	riable				
		radational or ansitional stra		Field Tea PID	Photo	oionisatio	on detector reading (ppm)	<u>Density</u>	V L	L	ery Lo bose	oose	Density Index <15% Density Index 15 - 35%
	D	efinitive or di		DCP(x-y) HP			etrometer test (test depth interval shown) meter test (UCS kPa)		ME D		lediur ense	n Dense	Density Index 35 - 65% Density Index 65 - 85%
	S	trata change				554	(VE		ery D		Density Index 85 - 100%

					ENGI	NEE	RING LOG - TEST PIT			т	EST	PIT N	io: TP-N3
		REGION/ GEOTEC		AL	CLIENT	:	RP Infrastructure			Ρ	AGE	:	1 of 1
-		SOLUTIO	ONS		PROJE	CT NA	ME: Proposed Ongrade Parks			J	ОΒΙ	NO:	RGS32576.1
				:	SITE LO	CATI	ON: Tamworth Hospital			L	OGC	GED B	Y: LD
				•	TEST L	OCAT	ION: North Site			D	ATE		28/9/22
		IENT TYP			kcavato		EASTING:	301902		SURF		RL:	
		IT LENGT		0.3 m	1 W	IDTH:	2.0 m NORTHING:	6560542	m l	DATU	1		AHD
	Exca	vation and S	Samplir	ig		z	Material description and profile information				Fiel	d Test	
METHOD	WATER	SAMPLES	RL (Not measure	DEPTI (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL	MATERIAL DESCRIPTION: Soil type, plasticit characteristics,colour,minor componen		MOISTURE CONDITION	CONSISTENCY DENSITY	Test Type	Result	Structure and additional observations
Ш	Encountered	0.10m	-		-	CI	TOPSOIL: Gravelly CLAY, medium plastic brown, fine grained, angular gravel, with sc						TOPSOIL
	Not Er	ES 0.20m		0.2			<u>0.20m</u>						
	2	0.30m	_	0.4		CI	Silty CLAY: Medium plasticity, brown, with gravel, fine to medium grained, angular	some	M > w _P	St			COLLUVIUM HP=200kPa
		В				-							HP=150kPa
		0.60m	-	0.6 0.8		-							
		0.90m ES 1.00m		1.0		 CI	0.90m Gravelly CLAY: Medium plasticity, red-bro to medium grained, angular gravel	 wn, fine	M < W	VSt	-		
		1.0011				-			2				HP=350kPa
				1.2	2		1.20m Hole Terminated at 1.20 m				-		
				1. <u>4</u> 1. <u>6</u> 1. <u>8</u>									
	SEND:	1		Notes, S	amples a	nd Tes	<u>s</u>	Consiste			_	CS (kPa	
	Wa (Da - Wa I Wa I Wa	ter Level te and time s ter Inflow ter Outflow <u>anges</u> iradational or		U₅₀ CBR E ASS B <u>Field Te</u>	Bulk s Enviro Acid s Bulk s <u>sts</u>	ample f onmenta Sulfate S Sample	ter tube sample or CBR testing Il sample ioil Sample	S S F F St S VSt V H F	'ery Soff oft irm tiff 'ery Stiff lard riable V	V	25 50 10 20 >2 ery Lo	25 5 - 50 0 - 100 00 - 200 00 - 400 400	W _L Liquid Limit Density Index <15%
	tr D	ansitional stra efinitive or di trata change	ata	PID DCP(x-y HP) Dynar	nic pen	n detector reading (ppm) etrometer test (test depth interval shown) meter test (UCS kPa)		L MI D VD	D M D	oose lediun ense ery D	n Dense ense	Density Index 15 - 35% Density Index 35 - 65% Density Index 65 - 85% Density Index 85 - 100%

	-			E	NGI	NEE	RING LOG - BOREHOLE			В	ORE	HOLE	E NO: BH-N4
		REGION/ GEOTEC		с	LIENT	:	RP Infrastructure			Ρ	AGE		1 of 1
_		SOLUTIO			ROJE	CT NA	ME: Proposed Ongrade Parks			J	OB	NO:	RGS32576.1
				S	ITE LC	CATI	DN: Tamworth Hospital			L	OGG	SED B	Y: LD
				Т	EST LO	OCAT	ON: North Site			D	ATE	:	28/9/22
		YPE: OLE DIAN	Hand A	-	nm	IN	Easting: Clination: 90° Northing:	30190		SURF		RL:	AHD
		ing and Sar		100 11			Material description and profile information	000002			1	d Test	
						Z				~			
METHOD	WATER	SAMPLES	RL (Not measured)	DEPTH (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL	MATERIAL DESCRIPTION: Soil type, plasticity characteristics,colour,minor component		MOISTURE CONDITION	CONSISTENCY DENSITY	Test Type	Result	Structure and additional observations
HA				-		CI	FILL: Gravelly CLAY, medium plasticity, da	rk brown	_ × _	St	(0.00-1.40m)	2	FILL
				-	\bigotimes	*			Σ		.00-1		
				0.2	\bigotimes						DCP (0	2	
				-	\bigotimes						ă	2	
				-		CI	0.30m Gravelly CLAY: Medium plasticity, pale bro to medium grained, angular gravel	 wn, fine				2	
				0.4_									
				-								2	
				-								3	Increased moisture form 0.5m
				0. <u>6</u>						VSt			
	-			-								7	
	-			-								6	
				0. <u>8</u>									
				-								4	
				- _ 1.0			4.00-					5	
				- 1.0			Hole Terminated at 1.00 m					4	
				-									
				1.2								6	
				-								8	
				-								8	
				1.4								0	
				-									
				-									
				1.6									
				-									
				-									
				1.8									
				-									
				-									
LEG	END:			lotes, Sa	mples a	nd Test	S	Consist	encv		U	CS (kPa	a) Moisture Condition
Wat	er			U ₅₀			≖ er tube sample	VS	Very Soft Soft		<2		D Dry M Moist
T		er Level æ and time s		USR E	Bulk s	ample f	or CBR testing I sample	F	Firm Stiff		50) - 100) - 200	W Wet
	Wat	er Inflow er Outflow	A	L NSS B	Acid S	Sulfate S	oil Sample	VSt	Very Stiff		20)0 - 200)0 - 400 100	
Stra	ta Cha	anges				Sample		Fb	Hard Friable	.,,			Donoity Index (45%)
		radational or ansitional stra	ata	PID	Photoi		n detector reading (ppm)	Density	L	Lo	ery Lo pose		Density Index <15% Density Index 15 - 35%
	D	efinitive or di rata change		DCP(x-y) HP			etrometer test (test depth interval shown) meter test (UCS kPa)		ME D		edium ense	n Dense	e Density Index 35 - 65% Density Index 65 - 85%

					ENGI	NEE	RING LOG - TEST PIT			т	EST		o: TP-S1
		REGION/ GEOTEC			CLIENT		RP Infrastructure			P	AGE	≣:	1 of 1
2		SOLUTIO			PROJE	CT NA	ME: Proposed Ongrade Parks			J	ОΒ	NO:	RGS32576.1
					SITE LO	CATI	DN: Tamworth Hospital			L	OGO	GED B	Y: LD
					TEST L	OCAT	ON: South Site			C	ATE		28/9/22
EQ	UIP	MENT TYP	E:	5T E	xcavato	r	EASTING:	301959	9 m 🗄	SURF	ACE	RL:	
TE	ST P	IT LENGT	H:	0.3 n	n W	IDTH:	2.0 m NORTHING:	6560228		DATU			AHD
	Exca	vation and S	Samplir	ng			Material description and profile information				Fiel	d Test	
METHOD	WATER	SAMPLES	RL (Not measure	DEPT (m)	E GRAPHIC LOG	CLASSIFICATION SYMBOL	MATERIAL DESCRIPTION: Soil type, plasticit characteristics,colour,minor componen		MOISTURE CONDITION	CONSISTENCY DENSITY	Test Type	Result	Structure and additional observations
ш	ered	0.05m				CI	FILL: Gravelly CLAY, medium plasticity, br to coarse grained gravel, angular, with som		<pre>~ </pre>		(mO	2	FILL
	Not Encountered	ES 0.10m	/			×	material including wire and concrete	lo loroign	ž		(0.00-1.20m)		
	t Enc	0.20m		0.	, KX	>					0.0)	3	
	Noi	0.2011		0.		>					DCP		
		ES				>						3	
		0.35m	-			>						2	
		0.40m	-	0.	4	×							
					+							3	
		В										4	
				0.	۹	>							
		0.70m				>	0.70m					9	
		ES				С	Gravelly CLAY: Medium plasticity, pale bro to medium grained, angular gravel	own, fine]	VSt		3	
0.00		0.80m	-	0.	<u>8, ~ ~</u> [5,55						
בוני דע ב. טיט בעבבייטיטע דון. דע ב. טיט בעב דעריטי												4	
2002													
0.00.				1.								4	HP=250kPa
04.01												5	HF-200KFA
				1.			1.20m					7	
					-		Hole Terminated at 1.20 m						
P													
				1.	4								
					_								
				1.	6								
n					-								
					_								
				1.									
					<u> </u>								
					-								
					1								
LEG	GEND:	 :		Notes, S	Samples a	nd Tes	<u>s</u>	Consiste		<u> </u>		CS (kPa	
Wat		ter Level		U ₅₀			er tube sample	S S	√ery Sof Soft	I	25	25 5 - 50	D Dry M Moist
-	(Da	te and time s	hown)	CBR E			or CBR testing I sample		−irm Stiff			0 - 100 00 - 200	W Wet W _p Plastic Limit
		ter Inflow ter Outflow		ASS B	Acid S		oil Sample	VSt V	√ery Stifi ⊣ard	Ī	20	00 - 400 400	F
Stra	ata Ch	anges		Field Te		- si npio		Fb I	Friable V		ery Lo		Density Index <15%
— –	tr	Gradational or ansitional stra	ata	PID	Photo		n detector reading (ppm)	Density	L	L	oose		Density Index 15 - 35%
		efinitive or di trata change	stict	DCP(x-y HP			etrometer test (test depth interval shown) meter test (UCS kPa)		MI D	D	ense	n Dense	Density Index 65 - 85%
2	-	5-							VE) V	ery D	ense	Density Index 85 - 100%

					ENG	NEE	RING LOG - TEST PIT			т	EST		10: TP-S2
		REGION/ GEOTEC		AI	CLIEN		RP Infrastructure			Р	AGE	≣:	1 of 1
2		SOLUTIO			PROJE		ME: Proposed Ongrade Parks			J	OB	NO:	RGS32576.1
					SITE L	OCATI	ON: Tamworth Hospital			L	OGO	GED B	SY: LD
					TEST I	OCAT	ON: South Site			D	ATE		28/9/22
					Excavato		EASTING:	301943				RL:	
		vation and S		0.3	m v	VIDTH:	2.0 m NORTHING: Material description and profile information	6560219	m	DATU	1	d Test	AHD
	LAGUY			.9		z				~			
METHOD	WATER	SAMPLES	RL (Not measur	(m)		CLASSIFICATION SYMBOL	MATERIAL DESCRIPTION: Soil type, plasticit characteristics,colour,minor componer		MOISTURE CONDITION	CONSISTENCY DENSITY	Test Type	Result	Structure and additional observations
E	Encountered					CI	FILL: CLAY, medium plasticity, dark brown some fine to coarse grained gravel, with so foreign material including broken tiles, timb	ome	M < W	St - VSt	(0.00-1.10m)	3	FILL
	incou					8	wire				0.00-	3	
	Not E	0.20m	-	0	.2	3					DCP (HP=250kPa
		ES				3						3	
		0.30m	1			X						-	
				0	.4	8						5	
						X						4	
							0.50m Silty CLAY: Medium plasticity, pale brown	, with	1	VSt -	1	-	
				0	.6 x	-	some gravel, fine to medium grained, angu	ılar		Н		2	
						-						2	
						-							HP=300kPa
				0	.8	-						4	
												6	
				1	.0							10	
					<u> </u>							12	HP=>600kPa
				1	.2	-	1.20m						
LEG Watu Stra					-		Hole Terminated at 1.20 m						
				1	.4								
					-								
					-								
					.6								
					-								
				1	.8								
					+								
LEG	END:			Notes,	Samples	and Tes	<u>s</u>	Consiste			_	CS (kPa	
Wat	_	orloud		U ₅₀	50m	n Diame	er tube sample		/ery Sofi Soft	t		25 5 - 50	D Dry M Moist
-		ter Level te and time s	shown)	CBR E	Bulk	sample	or CBR testing I sample		irm Stiff		50) - 100 00 - 200	W Wet W _p Plastic Limit
		ter Inflow ter Outflow		ASS B	Acid		ioil Sample	VSt V	/ery Stifl lard	Ī	20	30 - 200 30 - 400 400	F
	ta Cha					Jampie		Fb F	riable				Density in days of 5%
		radational or ansitional str		Field T PID	Phot		n detector reading (ppm)	Density	V L	L	ery Lo oose		Density Index <15% Density Index 15 - 35%
	_ D	efinitive or di rata change		DCP(x- HP			etrometer test (test depth interval shown) meter test (UCS kPa)		MI D		lediur ense	n Dense	e Density Index 35 - 65% Density Index 65 - 85%
	51	ata ondrige							VE		ery D		Density Index 85 - 100%

				E	ENGI	NEE	RING LOG - TEST PIT			т	EST	PIT N	o: TP-S3
		REGION/ GEOTEC		AL C	LIENT	:	RP Infrastructure			Р	AGE	≣:	1 of 1
Ź		SOLUTIO	NS		PROJE	CT NA	ME: Proposed Ongrade Parks			J	OB	NO:	RGS32576.1
				S	SITE LC	CATI	DN: Tamworth Hospital			L	OGO	GED B	Y: LD
				Т	EST LO	OCAT	ON: South Site			D	ATE		28/9/22
EQI	UIPN		E:	5T Ex	cavato	r	EASTING:	301936	Sm 🕄	SURF	ACE	RL:	
TES	ST PI	IT LENGT	H:	0.3 m	w	IDTH:	2.0 m NORTHING:	6560221	m I	DATU	M:		AHD
F	Excav	ation and S	amplin	g			Material description and profile information				Fiel	d Test	
METHOD	WATER	SAMPLES	RL (Not measure	DEPTH (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL	MATERIAL DESCRIPTION: Soil type, plasticity characteristics,colour,minor component		MOISTURE CONDITION	CONSISTENCY DENSITY	Test Type	Result	Structure and additional observations
ш	ered					ML	FILL: Clayey SILT, low plasticity, dark brow rootlets	n, with	Å ×		(m0	2	TOPSOIL
	ounte	0.10m					1001010		Σ		(0.00-1.00m)		
	Not Encountered	ES		0.2							0.0)	2	
	Not	0.20m		0.2	X						DCP		
		0.30m			K	<u> </u>	<u>0.30m</u>					5	
						CI	Silty CLAY: Medium plasticity, pale brown, with some gravel, fine to medium grained, a		× ×			7	
				0.4	×	1		-	Σ			\vdash	
		В										4	
					<u> </u>	-							
		0.60m		0.6								3	
												3	
				0.8	<u><u> </u></u>							5	
												5	
												5	
					×							15	
				1.0	<u></u>	-						\vdash	
						1							
					<u>↓×</u>								
\dashv				1.2	<u> </u>		1.20m Hole Terminated at 1.20 m				_		
					1								
					-								
				1.4	1								
					-								
					1								
				1.6	-								
					1								
					-								
]								
				1.8									
]								
					-								
	END:		<u> </u>	Notes, Sa	amples a	nd Tee	s	Consiste	ncy			CS (kPa) Moisture Condition
							_	VS \	/ery Soft	:	<	25	D Dry
Wate		er Level	hown	U₅₀ CBR	Bulk s	ample f	er tube sample or CBR testing	FF	Soft Firm		50	5 - 50 0 - 100	M Moist W Wet
_		to and time -	IUWIN)	E	Enviro		Isample		Stiff		10	00 - 200	W _p Plastic Limit
_	(Dat	te and time s ter Inflow	Ί	ASS		Sulfate S	oil Sample	VSt \	/ery Stiff	:		00 - 400	WL Liquid Limit
	(Dat Wat Wat	ter Inflow ter Outflow	Í		Acid S	Sulfate S Sample	oil Sample	нн	lard	:	20	00 - 400 400	
¥ ↓ ↑	(Dat Wat Wat ta Ch a	ter Inflow		ASS B Field Tes	Acid S Bulk S ts	Sample		нн	lard riable V	V	20 >4 ery Lo	400	W _L Liquid Limit Density Index <15%
¥ ↓ ↑	(Dat Wat Wat t <u>a Cha</u> G tra	ter Inflow ter Outflow anges	ata	ASS B	Acid S Bulk S tits Photo Dynar	Sample ionisationisation	oil Sample n detector reading (ppm) trometer test (test depth interval shown) meter test (UCS kPa)	H H Fb F	lard riable	V	20 >/ ery Lo pose	400	WL Liquid Limit Density Index <15%

		REGION	AL				RING LOG - TEST PIT				-	PIT N	
		GEOTEC	HNIC	AL	CLIE		RP Infrastructure				AGE		1 of 1
		SOLUTIO	JNS								OB		RGS32576.1
							ION: Tamworth Hospital IION: South Site					GED B 	
					1521	LUCA	IION: South Site				ATE		28/9/22
		MENT TYP		5T I 0.3	Excava m	ator WIDTH		301901 560216		SURF. DATU		RL:	AHD
	Exca	vation and S	Samplir	ıg			Material description and profile information				Fiel	d Test	
METHOD	WATER	SAMPLES	RL (Not measure			LUG CLASSIFICATION SYMBOL	MATERIAL DESCRIPTION: Soil type, plasticity/par characteristics,colour,minor components	article	MOISTURE CONDITION	CONSISTENCY DENSITY	Test Type	Result	Structure and additional observations
ш	ered					CI	FILL: Silty Sandy CLAY, medium plasticity, dark brown, fine grained sand, with roots and foreign		× ×	St	40m)	3	FILL
	Encountered	0.10m				X	material including wire		Σ		(0.00-1.40m)		
	Not En	ES 0.20m		c	.2	\bigotimes					О.	2	
	z				-	X					DCP	2	
						8							
				c	.4		CLAY: Medium plasticity, pale brown, with some gravel, fine to medium grained, angular	ne – – –			1	2	
					는	_	gravel, line to medium grained, angulai					3	
		0.50m											
		ES 0.60m		C	.6							3	
					E							1	
					E							2	
		0.80m	-	C	.8 — × >		0.80m			-		2	HIGHLY TO MODERATELY
						< ×	SILISIONE. Fale blown					2	WEATHERED SILTSTONE Highly fractured
		В				× × × ×						3	Low strength
		1.00m		1	.0 × >	×	1.00m Hole Terminated at 1.00 m					5	
												5	
LEC Wat					-							5	
				1	.2								
					-							6	
				1	.4							8	
					-								
				1	.6								
					-								
				1	.8								
					-								
					-								
				Nat				`oncist	<u></u>		L	CS //-P	Mointure Condition
<u>Wat</u>	GEND: ter					s and Te			ry Soft		<	<u>CS (kPa</u> 25 5 50	D Dry
₹		ter Level Ite and time s	hown)	U₅₀ CBR	Bu	lk sample	for CBR testing	S So F Fir	m		50	5 - 50 0 - 100	M Moist W Wet
►	- Wa	ter Inflow)	E ASS	Ac	id Sulfate	Soil Sample V		ry Stiff		20	00 - 200 00 - 400	F
Stra		ter Outflow anges		В		lk Sample	F		able			400	
		Gradational or ansitional stra		Field T PID	Ph		ion detector reading (ppm)	Density	V L	L	ery Lo bose		Density Index <15% Density Index 15 - 35%
-	C)efinitive or di trata change		DCP(x HP			netrometer test (test depth interval shown) rometer test (UCS kPa)		ME D	D	ense		Density Index 65 - 85%
	3	5.101190							VD) V	ery D	ense	Density Index 85 - 100%

REGIONAL GEOTECHNICAL SOLUTIONS					ENGINEERING LOG - BOREHOLE CLIENT: RP Infrastructure PROJECT NAME: Proposed Ongrade Parks							BOREHOLE NO: BH-S5 PAGE: 1 of 1			
												NO:	RGS32576.1		
					ITE LC		•					GED B			
				Т	EST LO	OCAT	ON: South Site			D	ATE		28/9/22		
		YPE: Ole dian		Auger t: 100 n	nm	IN	EASTING: CLINATION: 90° NORTHING:	30186 656021		SURF. DATU		RL:	AHD		
	Drill	ing and Sar	npling				Material description and profile information				Fiel	d Test			
METHOD	WATER	SAMPLES	RL (Not measure	DEPTH (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL	MATERIAL DESCRIPTION: Soil type, plasticit characteristics,colour,minor componen		MOISTURE CONDITION	CONSISTENCY DENSITY	Test Type	Result	Structure and additional observations		
HA	ered			-		CI	FILL: Gravelly CLAY, medium plasticity, br to medium grained gravel, angular	own, fine	× ×		30m)	2	FILL		
	Encountered	0.10m	-	-					Σ		DCP (0.00-1.30m)	_			
	Not End	ES 0.20m		0.2								8			
	z			-						1		6			
				-		>									
				0.4	\bigotimes		0.50m					4			
												5			
				0.6	-		Hole Terminated at 0.50 m					8			
				-								3			
				-								3			
				0. <u>8</u>]										
				-								3			
				1. <u>0</u>								3			
				-	-							5			
				- 1.2	-							9			
				-	1							10			
				-											
				1.4											
				-											
				-											
				1. <u>6</u>											
				-											
				1.8											
				-]										
				-	1										
LEG	END:			Notes, Sa	 mples a	nd Test	<u>s</u>	Consist	ency		Ŀ	CS (kPa	Moisture Condition		
Water						_	VS	Very Soft Soft		<2	25 5 - 50	D Dry M Moist			
(Date and time shown) E Environmental sample							F	Firm Stiff		50	0 - 100 00 - 200	W Wet W _p Plastic Limit			
						Sulfate S	soil Sample	VSt	Very Stiff Hard		20	200 - 400 400	W _L Liquid Limit		
	ta Cha			Field Test				1	Friable	V	ery Lo		Density Index <15%		
	 tra	radational or ansitional stra efinitive or di	ata	PID DCP(x-y)	Photoionisation detector reading (ppm)					L Loose Density Index 15 - 35			Density Index 15 - 35%		
		rata change	Suol	HP					D VE	D	ense ery D		Density Index 65 - 85% Density Index 85 - 100%		

		REGIONA	M				RING LOG - BOREHOLE			B	ORE	HOLE	E NO: BH-S6
		GEOTEC	HNICA	L			RP Infrastructure				AGE		1 of 1
_		SOLUTIO	NS		PROJECT NAME: Proposed Ongrade Parks						OBI		RGS32576.1
					ITE LC		•					GED B	
				I	ESIL	JCAI	ON: South Site				ATE		28/9/22
		YPE: Ole dian	Hand . IETER	-	nm	IN	EASTING: CLINATION: 90° NORTHING:			SURF. DATU		RL:	AHD
	Drill	ing and Sar	npling				Material description and profile information				Fiel	d Test	
METHOD	WATER	SAMPLES	RL (Not measured	DEPTH (m)	GRAPHIC LOG	CLASSIFICATION SYMBOL	MATERIAL DESCRIPTION: Soil type, plasticit characteristics,colour,minor componen		MOISTURE CONDITION	CONSISTENCY DENSITY	Test Type	Result	Structure and additional observations
HA	ered			-		CI	FILL: Sandy CLAY, medium plasticity, dark fine to medium grained sand	k brown,	× ×		(0.00-1.00m)	2	FILL
	Encountered	0.10m		-	\bigotimes				Σ		00-1.		
	Not En	ES 0.20m		0.2	\bigotimes						DCP (0.	3	
	z			-	\bigotimes		0.25m				B	3	
				-	\bigotimes	CI	FILL: Gravelly CLAY, medium plasticity, bro roots	own, witr	1				
				0.4	\bigotimes							3	
				-	\bigotimes							3	
				-	\bigotimes								
				0.6			0.60m		_			2	
				-	×	CI	Silty CLAY: Medium plasticity, pale brown, some gravel, fine to medium grained, angu		<pre>< W</pre>			2	
				-	×				Σ				
				0.8	××							3	
				-	×							5	
				-	× ×							15	
				1.0	×		1.00m Hole Terminated at 1.00 m					15	
				1.2 1.2 1.4 1.4 1.6 1.6									
<u>Wat</u> ▼	Wat (Dat Wat Wat ta Cha tra	er Level le and time s er Inflow er Outflow anges radational or ansitional stra efinitive or di rata change	ata	Notes, Sa U ₅₀ CBR E ASS B Field Test PID DCP(x-y) HP	50mm Bulk s Enviro Acid S Bulk S Bulk S Photo Dynar	Diame ample f onmenta Sulfate S Sample conisation	S er tube sample or CBR testing I sample oil Sample n detector reading (ppm) etrometer test (test depth interval shown) meter test (UCS kPa)	Consi VS S F St VSt H Fb Densi	stency Very Sof Soft Firm Stiff Very Stiff Hard Friable ty V L M D U	f V La D M D	25 25 50 20 20 20 20 20 20 20 20 20 20 20 20 20	n Dense	D Dry M Moist W Wet W _p Plastic Limit U _L Liquid Limit Density Index <15% Density Index 15 - 35%



Appendix C

Laboratory Test Result Sheets

Regional Geotechnical Solutions RGS32576.1-AR 19 October 2022



CERTIFICATE OF ANALYSIS

Work Order	ES2234920	Page	: 1 of 27	
Client	REGIONAL GEOTECHNICAL SOLUTION	Laboratory	: Environmental Division Sy	/dney
Contact	: LOUIS DAVIDSON	Contact	: Customer Services ES	-
Address	: 44 BENT STREET	Address	: 277-289 Woodpark Road	Smithfield NSW Australia 2164
	WINGHAM NSW, AUSTRALIA 2429			
Telephone	: +61 02 6553 5641	Telephone	: +61-2-8784 8555	
Project	: RGS32576.1 PROPOSED CARPARK B Upgrades	Date Samples Received	: 29-Sep-2022 13:28	ANULUE.
Order number	:	Date Analysis Commenced	30-Sep-2022	
C-O-C number	:	Issue Date	07-Oct-2022 17:26	
Sampler	:			Hac-MRA NATA
Site	: Tamworth Hospital			
Quote number	: EN/222			
No. of samples received	: 38			Accredited for compliance with
No. of samples analysed	: 38			ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Descriptive Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	Position	Accreditation Category
Edwandy Fadjar	Organic Coordinator	Sydney Inorganics, Smithfield, NSW
Edwandy Fadjar	Organic Coordinator	Sydney Organics, Smithfield, NSW
Jake Spooner	Laboratory Technician	Newcastle - Asbestos, Mayfield West, NSW
Wisam Marassa	Inorganics Coordinator	Sydney Inorganics, Smithfield, NSW



General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key: CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society. LOR = Limit of reporting

^ = This result is computed from individual analyte detections at or above the level of reporting

ø = ALS is not NATA accredited for these tests.

~ = Indicates an estimated value.

- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) per the NEPM (2013) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a.h)anthracene (1.0), Benzo(g.h.i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero, for 'TEQ 1/2LOR' are treated as half the reported LOR, and for 'TEQ LOR' are treated as being equal to the reported LOR. Note: TEQ 1/2LOR and TEQ LOR will calculate as 0.6mg/Kg and 1.2mg/Kg respectively for samples with non-detects for all of the eight TEQ PAHs.
- EP080: Where reported, Total Xylenes is the sum of the reported concentrations of m&p-Xylene and o-Xylene at or above the LOR.
- EP068: Where reported, Total Chlordane (sum) is the sum of the reported concentrations of cis-Chlordane and trans-Chlordane at or above the LOR.
- EP068: Where reported, Total OCP is the sum of the reported concentrations of all Organochlorine Pesticides at or above LOR.
- EP075(SIM): Where reported, Total Cresol is the sum of the reported concentrations of 2-Methylphenol and 3- & 4-Methylphenol at or above the LOR.
- EA200 'Am' Amosite (brown asbestos)
- EA200 'Cr' Crocidolite (blue asbestos)
- EA200 'Trace' Asbestos fibres ("Free Fibres") detected by trace analysis per AS4964. The result can be interpreted that the sample contains detectable 'respirable' asbestos fibres
- EA200: Asbestos Identification Samples were analysed by Polarised Light Microscopy including dispersion staining.
- EA200 Legend
- EA200 'Ch' Chrysotile (white asbestos)
- EA200: 'UMF' Unknown Mineral Fibres. "-" indicates fibres detected may or may not be asbestos fibres. Confirmation by alternative techniques is recommended.
- EA200: For samples larger than 30g, the <2mm fraction may be sub-sampled prior to trace analysis as outlined in ISO23909:2008(E) Sect 6.3.2-2
- EA200: 'Yes' Asbestos detected by polarised light microscopy including dispersion staining.
- EA200: 'No*' No asbestos found, at the reporting limit of 0.1g/kg, by polarised light microscopy including dispersion staining. Asbestos material was detected and positively identified at concentrations estimated to be below 0.1g/kg.
- EA200: 'No' No asbestos found at the reporting limit 0.1g/kg, by polarised light microscopy including dispersion staining.

Page	: 3 of 27
Work Order	: ES2234920
Client	: REGIONAL GEOTECHNICAL SOLUTION
Project	 RGS32576.1 PROPOSED CARPARK B Upgrades



Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	TP-N1	TP-N2	TP-N3	TP-N4	TP-N5
				0.05-0.1	0.05-0.1	0.9-1	0.1-0.2	0.05-0.1
		Sampli	ng date / time	29-Sep-2022 00:00				
Compound	CAS Number	LOR	Unit	ES2234920-001	ES2234920-002	ES2234920-003	ES2234920-004	ES2234920-005
				Result	Result	Result	Result	Result
EA200: AS 4964 - 2004 Identification	on of Asbestos in Soils	;						
Asbestos Detected	1332-21-4	0.1	g/kg	No	No	No	No	No
Asbestos (Trace)	1332-21-4	5	Fibres	No	No	No	No	No
Asbestos Type	1332-21-4	-		-	-	-	-	-
Synthetic Mineral Fibre		0.1	g/kg	No	No	No	No	No
Organic Fibre		0.1	g/kg	No	No	No	No	No
Sample weight (dry)		0.01	g	260	225	343	255	183
APPROVED IDENTIFIER:		-		J.SPOONER	J.SPOONER	J.SPOONER	J.SPOONER	J.SPOONER

Page	: 4 of 27
Work Order	: ES2234920
Client	: REGIONAL GEOTECHNICAL SOLUTION
Project	 RGS32576.1 PROPOSED CARPARK B Upgrades



Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	TP-N6 0.1-0.2	TP-N7 0.05-0.1	TP-N8 0.05-0.1	TP-S1 0.3-0.35	TP-S2 0.2-0.3
		Sampli	ng date / time	29-Sep-2022 00:00				
Compound	CAS Number	LOR	Unit	ES2234920-006	ES2234920-007	ES2234920-008	ES2234920-009	ES2234920-010
				Result	Result	Result	Result	Result
EA200: AS 4964 - 2004 Identificati	ion of Asbestos in Soils	;						
Asbestos Detected	1332-21-4	0.1	g/kg	No	No	No	No	No
Asbestos (Trace)	1332-21-4	5	Fibres	No	No	No	No	No
Asbestos Type	1332-21-4	-		-	-	-	-	-
Synthetic Mineral Fibre		0.1	g/kg	No	No	No	No	No
Organic Fibre		0.1	g/kg	No	No	No	No	No
Sample weight (dry)		0.01	g	195	442	423	342	224
APPROVED IDENTIFIER:		-		J.SPOONER	J.SPOONER	J.SPOONER	J.SPOONER	J.SPOONER

Page Work Order	5 of 27 ES2234920
Client	REGIONAL GEOTECHNICAL SOLUTION
Proiect	RGS32576.1 PROPOSED CARPARK B Upgrades



Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	TP-S3	TP-S4	TP-S5	TP-S6	TP-S7
				0.1-0.2	0.1-0.2	0.1-0.2	0.1-0.2	0.1-0.2
		Sampli	ng date / time	29-Sep-2022 00:00				
Compound	CAS Number	LOR	Unit	ES2234920-011	ES2234920-012	ES2234920-013	ES2234920-014	ES2234920-015
				Result	Result	Result	Result	Result
EA200: AS 4964 - 2004 Identification	on of Asbestos in Soils							
Asbestos Detected	1332-21-4	0.1	g/kg	No	No	No	No	No
Asbestos (Trace)	1332-21-4	5	Fibres	No	No	No	No	No
Asbestos Type	1332-21-4	-		-	-	-	-	-
Synthetic Mineral Fibre		0.1	g/kg	No	No	No	No	No
Organic Fibre		0.1	g/kg	No	No	No	No	No
Sample weight (dry)		0.01	g	211	235	259	312	108
APPROVED IDENTIFIER:		-		J.SPOONER	J.SPOONER	J.SPOONER	J.SPOONER	J.SPOONER



Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	TP-S8	TP-S9	TP-S10	TP-N1	TP-N2
				0.05-0.1	0.1-0.2	0.1-0.2	0.05-0.1	0.05-0.1
			ng date / time	29-Sep-2022 00:00				
Compound	CAS Number	LOR	Unit	ES2234920-016	ES2234920-017	ES2234920-018	ES2234920-019	ES2234920-020
				Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ 105	-110°C)							
Moisture Content		1.0	%				17.4	16.2
EA200: AS 4964 - 2004 Identification of	f Asbestos in Soils							
Asbestos Detected	1332-21-4	0.1	g/kg	No	No	No		
Asbestos (Trace)	1332-21-4	5	Fibres	No	No	No		
Asbestos Type	1332-21-4	-		-	-	-		
Synthetic Mineral Fibre		0.1	g/kg	No	No	No		
Organic Fibre		0.1	g/kg	No	No	No		
Sample weight (dry)		0.01	g	254	261	218		
APPROVED IDENTIFIER:		-		J.SPOONER	J.SPOONER	J.SPOONER		
EG005(ED093)T: Total Metals by ICP-A	ES							
Arsenic	7440-38-2	5	mg/kg				6	8
Cadmium	7440-43-9	1	mg/kg				<1	<1
Chromium	7440-47-3	2	mg/kg				15	14
Copper	7440-50-8	5	mg/kg				24	33
Lead	7439-92-1	5	mg/kg				10	8
Nickel	7440-02-0	2	mg/kg				11	12
Zinc	7440-66-6	5	mg/kg				54	60
EG035T: Total Recoverable Mercury b	V FIMS							
Mercury	7439-97-6	0.1	mg/kg				<0.1	<0.1
EP066: Polychlorinated Biphenyls (PC								
Total Polychlorinated biphenyls		0.1	mg/kg				<0.1	<0.1
EP068A: Organochlorine Pesticides (O								
alpha-BHC	319-84-6	0.05	mg/kg				<0.05	<0.05
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg				<0.05	< 0.05
beta-BHC	319-85-7	0.05	mg/kg				<0.05	< 0.05
gamma-BHC	58-89-9	0.05	mg/kg				<0.05	< 0.05
delta-BHC	319-86-8	0.05	mg/kg				<0.05	< 0.05
Heptachlor	76-44-8	0.05	mg/kg				<0.05	< 0.05
Aldrin	309-00-2	0.05	mg/kg				<0.05	< 0.05
Heptachlor epoxide	1024-57-3	0.05	mg/kg				<0.05	< 0.05
^ Total Chlordane (sum)		0.05	mg/kg				<0.05	<0.05
trans-Chlordane	5103-74-2	0.05	mg/kg				<0.05	< 0.05
alpha-Endosulfan	959-98-8	0.05	mg/kg				<0.05	< 0.05
cis-Chlordane	5103-71-9	0.05	mg/kg				<0.05	< 0.05

Page	: 7 of 27
Work Order	: ES2234920
Client	: REGIONAL GEOTECHNICAL SOLUTION
Project	 RGS32576.1 PROPOSED CARPARK B Upgrades



Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	TP-S8 0.05-0.1	TP-S9 0.1-0.2	TP-S10 0.1-0.2	TP-N1 0.05-0.1	TP-N2 0.05-0.1
		Samplii	ng date / time	29-Sep-2022 00:00				
Compound	CAS Number	LOR	Unit	ES2234920-016	ES2234920-017	ES2234920-018	ES2234920-019	ES2234920-020
Compound	ono number			Result	Result	Result	Result	Result
EP068A: Organochlorine Pestici	des (OC) - Continued							
Dieldrin	60-57-1	0.05	mg/kg				<0.05	<0.05
4.4`-DDE	72-55-9	0.05	mg/kg				<0.05	<0.05
Endrin	72-20-8	0.05	mg/kg				<0.05	<0.05
beta-Endosulfan	33213-65-9	0.05	mg/kg				<0.05	<0.05
^ Endosulfan (sum)	115-29-7	0.05	mg/kg				<0.05	<0.05
4.4`-DDD	72-54-8	0.05	mg/kg				<0.05	<0.05
Endrin aldehyde	7421-93-4	0.05	mg/kg				<0.05	<0.05
Endosulfan sulfate	1031-07-8	0.05	mg/kg				<0.05	<0.05
4.4`-DDT	50-29-3	0.2	mg/kg				<0.2	<0.2
Endrin ketone	53494-70-5	0.05	mg/kg				<0.05	<0.05
Methoxychlor	72-43-5	0.2	mg/kg				<0.2	<0.2
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.05	mg/kg				<0.05	<0.05
^ Sum of DDD + DDE + DDT	72-54-8/72-55-9/5 0-2	0.05	mg/kg				<0.05	<0.05
EP068B: Organophosphorus Pe								
Dichlorvos	62-73-7	0.05	mg/kg				<0.05	<0.05
Demeton-S-methyl	919-86-8	0.05	mg/kg				<0.05	<0.05
Monocrotophos	6923-22-4	0.2	mg/kg				<0.2	<0.2
Dimethoate	60-51-5	0.05	mg/kg				<0.05	<0.05
Diazinon	333-41-5	0.05	mg/kg				<0.05	<0.05
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg				<0.05	<0.05
Parathion-methyl	298-00-0	0.2	mg/kg				<0.2	<0.2
Malathion	121-75-5	0.05	mg/kg				<0.05	<0.05
Fenthion	55-38-9	0.05	mg/kg				<0.05	<0.05
Chlorpyrifos	2921-88-2	0.05	mg/kg				<0.05	<0.05
Parathion	56-38-2	0.2	mg/kg				<0.2	<0.2
Pirimphos-ethyl	23505-41-1	0.05	mg/kg				<0.05	<0.05
Chlorfenvinphos	470-90-6	0.05	mg/kg				<0.05	<0.05
Bromophos-ethyl	4824-78-6	0.05	mg/kg				<0.05	<0.05
Fenamiphos	22224-92-6	0.05	mg/kg				<0.05	<0.05
Prothiofos	34643-46-4	0.05	mg/kg				<0.05	<0.05
Ethion	563-12-2	0.05	mg/kg				<0.05	<0.05
Carbophenothion	786-19-6	0.05	mg/kg				<0.05	<0.05
Azinphos Methyl	86-50-0	0.05	mg/kg				<0.05	<0.05

Page : 8 of 27 Work Order : ES2234920 Client : REGIONAL GEOTECHNICAL SOLUTION Project : RGS32576.1 PROPOSED CARPARK B Upgrades



Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	TP-S8 0.05-0.1	TP-S9 0.1-0.2	TP-S10 0.1-0.2	TP-N1 0.05-0.1	TP-N2 0.05-0.1
		Sampli	ng date / time	29-Sep-2022 00:00				
Compound	CAS Number	LOR	Unit	ES2234920-016	ES2234920-017	ES2234920-018	ES2234920-019	ES2234920-020
				Result	Result	Result	Result	Result
EP075(SIM)B: Polynuclear Aromatic	c Hydrocarbons							
Naphthalene	91-20-3	0.5	mg/kg				<0.5	<0.5
Acenaphthylene	208-96-8	0.5	mg/kg				<0.5	<0.5
Acenaphthene	83-32-9	0.5	mg/kg				<0.5	<0.5
Fluorene	86-73-7	0.5	mg/kg				<0.5	<0.5
Phenanthrene	85-01-8	0.5	mg/kg				<0.5	<0.5
Anthracene	120-12-7	0.5	mg/kg				<0.5	<0.5
Fluoranthene	206-44-0	0.5	mg/kg				<0.5	<0.5
Pyrene	129-00-0	0.5	mg/kg				<0.5	<0.5
Benz(a)anthracene	56-55-3	0.5	mg/kg				<0.5	<0.5
Chrysene	218-01-9	0.5	mg/kg				<0.5	<0.5
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg				<0.5	<0.5
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg				<0.5	<0.5
Benzo(a)pyrene	50-32-8	0.5	mg/kg				<0.5	<0.5
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg				<0.5	<0.5
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg				<0.5	<0.5
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg				<0.5	<0.5
^ Sum of polycyclic aromatic hydrocarl	bons	0.5	mg/kg				<0.5	<0.5
^ Benzo(a)pyrene TEQ (zero)		0.5	mg/kg				<0.5	<0.5
^ Benzo(a)pyrene TEQ (half LOR)		0.5	mg/kg				0.6	0.6
^ Benzo(a)pyrene TEQ (LOR)		0.5	mg/kg				1.2	1.2
EP080/071: Total Petroleum Hydrod	carbons							
C6 - C9 Fraction		10	mg/kg				<10	<10
C10 - C14 Fraction		50	mg/kg				<50	<50
C15 - C28 Fraction		100	mg/kg				<100	<100
C29 - C36 Fraction		100	mg/kg				<100	<100
^ C10 - C36 Fraction (sum)		50	mg/kg				<50	<50
EP080/071: Total Recoverable Hydr	rocarbons - NEPM 201	3 Fractio	ns					
C6 - C10 Fraction	C6_C10	10	mg/kg				<10	<10
[^] C6 - C10 Fraction minus BTEX	C6 C10-BTEX	10	mg/kg				<10	<10
(F1)								
>C10 - C16 Fraction		50	mg/kg				<50	<50
>C16 - C34 Fraction		100	mg/kg				<100	<100
>C34 - C40 Fraction		100	mg/kg				<100	<100
^ >C10 - C40 Fraction (sum)		50	mg/kg				<50	<50

Page	: 9 of 27
Work Order	: ES2234920
Client	: REGIONAL GEOTECHNICAL SOLUTION
Project	 RGS32576.1 PROPOSED CARPARK B Upgrades



Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	TP-S8 0.05-0.1	TP-S9 0.1-0.2	TP-S10 0.1-0.2	TP-N1 0.05-0.1	TP-N2 0.05-0.1
		Sampli	ng date / time	29-Sep-2022 00:00				
Compound	CAS Number	LOR	Unit	ES2234920-016	ES2234920-017	ES2234920-018	ES2234920-019	ES2234920-020
				Result	Result	Result	Result	Result
EP080/071: Total Recoverable Hy	ydrocarbons - NEPM 201	3 Fractio	ns - Continued					
^ >C10 - C16 Fraction minus Naphth (F2)	alene	50	mg/kg				<50	<50
EP080: BTEXN								
Benzene	71-43-2	0.2	mg/kg				<0.2	<0.2
Toluene	108-88-3	0.5	mg/kg				<0.5	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg				<0.5	<0.5
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg				<0.5	<0.5
ortho-Xylene	95-47-6	0.5	mg/kg				<0.5	<0.5
^ Sum of BTEX		0.2	mg/kg				<0.2	<0.2
^ Total Xylenes		0.5	mg/kg				<0.5	<0.5
Naphthalene	91-20-3	1	mg/kg				<1	<1
EP066S: PCB Surrogate								
Decachlorobiphenyl	2051-24-3	0.1	%				87.4	96.5
EP068S: Organochlorine Pestici	de Surrogate							
Dibromo-DDE	21655-73-2	0.05	%				84.7	93.0
EP068T: Organophosphorus Pes								
DEF	78-48-8	0.05	%				100	108
EP075(SIM)S: Phenolic Compou								1
Phenol-d6	13127-88-3	0.5	%				98.5	92.0
2-Chlorophenol-D4	93951-73-6	0.5	%				99.4	92.0
2.4.6-Tribromophenol	118-79-6	0.5	%				72.2	62.4
EP075(SIM)T: PAH Surrogates								
2-Fluorobiphenyl	321-60-8	0.5	%				104	98.9
Anthracene-d10	1719-06-8	0.5	%				99.2	93.4
4-Terphenyl-d14	1718-51-0	0.5	%				105	99.2
EP080S: TPH(V)/BTEX Surrogate								
1.2-Dichloroethane-D4	17060-07-0	0.2	%				82.3	87.6
Toluene-D8	2037-26-5	0.2	%				90.4	97.9
4-Bromofluorobenzene	460-00-4	0.2	%				86.1	92.6



Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	TP-N3 0.9-1	TP-N4 0.1-0.2	TP-N5 0.05-0.1	TP-N6 0.1-0.2	TP-N7 0.05-0.1
		Samplii	ng date / time	29-Sep-2022 00:00				
Compound	CAS Number	LOR	Unit	ES2234920-021	ES2234920-022	ES2234920-023	ES2234920-024	ES2234920-025
				Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ 1	05-110°C)							
Moisture Content		1.0	%	16.2	14.5	21.9	12.5	4.9
EG005(ED093)T: Total Metals by ICP	-AES							
Arsenic	7440-38-2	5	mg/kg	10	5	7	8	6
Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1
Chromium	7440-47-3	2	mg/kg	12	16	14	16	13
Copper	7440-50-8	5	mg/kg	35	27	28	37	17
Lead	7439-92-1	5	mg/kg	8	27	14	24	6
Nickel	7440-02-0	2	mg/kg	9	11	11	14	10
Zinc	7440-66-6	5	mg/kg	63	85	83	94	30
EG035T: Total Recoverable Mercury	v by FIMS							
Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
EP066: Polychlorinated Biphenyls (F								
Total Polychlorinated biphenyls		0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
EP068A: Organochlorine Pesticides			5 5					
alpha-BHC	319-84-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
gamma-BHC	58-89-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
delta-BHC	319-86-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor	76-44-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Aldrin	309-00-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
^ Total Chlordane (sum)		0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Dieldrin	60-57-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Endrin	72-20-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
^ Endosulfan (sum)	115-29-7	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05

Page : 11 of 27 Work Order : ES2234920 Client : REGIONAL GEOTECHNICAL SOLUTION Project : RGS32576.1 PROPOSED CARPARK B Upgrades



Sub-Matrix: SOIL			Sample ID	TP-N3	TP-N4	TP-N5	TP-N6	TP-N7
(Matrix: SOIL)				0.9-1	0.1-0.2	0.05-0.1	0.1-0.2	0.05-0.1
		Sampli	ng date / time	29-Sep-2022 00:00				
Compound	CAS Number	LOR	Unit	ES2234920-021	ES2234920-022	ES2234920-023	ES2234920-024	ES2234920-025
				Result	Result	Result	Result	Result
EP068A: Organochlorine Pestici	des (OC) - Continued							
4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
^ Sum of DDD + DDE + DDT	72-54-8/72-55-9/5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
	0-2							
EP068B: Organophosphorus Pe	sticides (OP)							
Dichlorvos	62-73-7	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Dimethoate	60-51-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Diazinon	333-41-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	121-75-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Fenthion	55-38-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Parathion	56-38-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Prothiofos	34643-46-4	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Ethion	563-12-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Carbophenothion	786-19-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
EP075(SIM)B: Polynuclear Arom	atic Hydrocarbons							
Naphthalene	91-20-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Fluorene	86-73-7	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Anthracene	120-12-7	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5

Page : 12 of 27 Work Order : ES2234920 Client : REGIONAL GEOTECHNICAL SOLUTION Project : RGS32576.1 PROPOSED CARPARK B Upgrades



Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	TP-N3 0.9-1	TP-N4 0.1-0.2	TP-N5 0.05-0.1	TP-N6 0.1-0.2	TP-N7 0.05-0.1
		Samplii	ng date / time	29-Sep-2022 00:00				
Compound	CAS Number	LOR	Unit	ES2234920-021	ES2234920-022	ES2234920-023	ES2234920-024	ES2234920-025
				Result	Result	Result	Result	Result
EP075(SIM)B: Polynuclear Aromatic H	ydrocarbons - Cont	inued						
Pyrene	129-00-0	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chrysene	218-01-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
^ Sum of polycyclic aromatic hydrocarbon	s	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
^ Benzo(a)pyrene TEQ (zero)		0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
^ Benzo(a)pyrene TEQ (half LOR)		0.5	mg/kg	0.6	0.6	0.6	0.6	0.6
^ Benzo(a)pyrene TEQ (LOR)		0.5	mg/kg	1.2	1.2	1.2	1.2	1.2
EP080/071: Total Petroleum Hydrocart	oons							
C6 - C9 Fraction		10	mg/kg	<10	<10	<10	<10	<10
C10 - C14 Fraction		50	mg/kg	<50	<50	<50	<50	<50
C15 - C28 Fraction		100	mg/kg	<100	<100	<100	<100	<100
C29 - C36 Fraction		100	mg/kg	<100	<100	<100	<100	<100
^ C10 - C36 Fraction (sum)		50	mg/kg	<50	<50	<50	<50	<50
EP080/071: Total Recoverable Hydroca	arbons - NEPM 201	3 Fraction	าร					
C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	<10	<10	<10
[^] C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg	<10	<10	<10	<10	<10
>C10 - C16 Fraction		50	mg/kg	<50	<50	<50	<50	<50
>C16 - C34 Fraction		100	mg/kg	<100	<100	<100	<100	<100
>C34 - C40 Fraction		100	mg/kg	<100	<100	<100	<100	<100
^ >C10 - C40 Fraction (sum)		50	mg/kg	<50	<50	<50	<50	<50
^ >C10 - C16 Fraction minus Naphthalene		50	mg/kg	<50	<50	<50	<50	<50
(F2)								
EP080: BTEXN								
Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5

Page	: 13 of 27
Work Order	: ES2234920
Client	: REGIONAL GEOTECHNICAL SOLUTION
Project	 RGS32576.1 PROPOSED CARPARK B Upgrades



Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	TP-N3 0.9-1	TP-N4 0.1-0.2	TP-N5 0.05-0.1	TP-N6 0.1-0.2	TP-N7 0.05-0.1
		Sampli	ing date / time	29-Sep-2022 00:00				
Compound	CAS Number	LOR	Unit	ES2234920-021	ES2234920-022	ES2234920-023	ES2234920-024	ES2234920-025
				Result	Result	Result	Result	Result
EP080: BTEXN - Continued								
ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
^ Sum of BTEX		0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
^ Total Xylenes		0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	91-20-3	1	mg/kg	<1	<1	<1	<1	<1
EP066S: PCB Surrogate								
Decachlorobiphenyl	2051-24-3	0.1	%	93.0	126	90.0	75.3	94.3
EP068S: Organochlorine Pesticio	le Surrogate							
Dibromo-DDE	21655-73-2	0.05	%	88.4	94.1	85.8	72.2	83.9
EP068T: Organophosphorus Pes	ticide Surrogate							
DEF	78-48-8	0.05	%	94.6	99.6	103	80.4	92.9
EP075(SIM)S: Phenolic Compour	nd Surrogates							
Phenol-d6	13127-88-3	0.5	%	96.0	85.0	90.1	92.2	88.5
2-Chlorophenol-D4	93951-73-6	0.5	%	93.0	85.1	89.2	92.4	88.1
2.4.6-Tribromophenol	118-79-6	0.5	%	64.8	54.5	65.4	66.9	61.1
EP075(SIM)T: PAH Surrogates								
2-Fluorobiphenyl	321-60-8	0.5	%	102	95.4	99.1	102	96.2
Anthracene-d10	1719-06-8	0.5	%	99.2	86.7	92.2	98.9	96.0
4-Terphenyl-d14	1718-51-0	0.5	%	101	95.2	99.9	106	96.6
EP080S: TPH(V)/BTEX Surrogate	s							
1.2-Dichloroethane-D4	17060-07-0	0.2	%	82.9	81.6	87.2	90.2	87.9
Toluene-D8	2037-26-5	0.2	%	93.0	84.4	97.0	102	96.2
4-Bromofluorobenzene	460-00-4	0.2	%	89.9	86.1	90.1	96.4	94.1



Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	TP-N8 0.05-0.1	N-D1	TP-S1 0.3-0.35	TP-S2 0.2-0.3	TP-S3 0.1-0.2
		Sampli	ng date / time	29-Sep-2022 00:00				
Compound	CAS Number	LOR	Unit	ES2234920-026	ES2234920-027	ES2234920-028	ES2234920-029	ES2234920-030
				Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @	105-110°C)							
Moisture Content		1.0	%	16.9	19.0	16.0	16.4	16.0
EG005(ED093)T: Total Metals by IC	P-AES							
Arsenic	7440-38-2	5	mg/kg	7	7	6	6	5
Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1
Chromium	7440-47-3	2	mg/kg	14	18	12	12	24
Copper	7440-50-8	5	mg/kg	32	26	42	40	35
Lead	7439-92-1	5	mg/kg	8	28	10	11	14
Nickel	7440-02-0	2	mg/kg	13	12	12	11	22
Zinc	7440-66-6	5	mg/kg	58	78	78	79	71
EG035T: Total Recoverable Mercu								
Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
EP066: Polychlorinated Biphenyls (
Total Polychlorinated biphenyls	(FCB) 	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
EP068A: Organochlorine Pesticides		0.1					•	•
alpha-BHC	319-84-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	< 0.05
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
gamma-BHC	58-89-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
delta-BHC	319-86-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor	76-44-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Aldrin	309-00-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Total Chlordane (sum)	1024-57-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Dieldrin	60-57-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Endrin	72-33-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Seta-Endosulfan (sum)	115-29-7	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Endrin aldehyde	72-54-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
		0.05		<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05

Page	: 15 of 27
Work Order	: ES2234920
Client	: REGIONAL GEOTECHNICAL SOLUTION
Project	 RGS32576.1 PROPOSED CARPARK B Upgrades



Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	TP-N8 0.05-0.1	N-D1	TP-S1 0.3-0.35	TP-S2 0.2-0.3	TP-S3 0.1-0.2
		Samplii	ng date / time	29-Sep-2022 00:00				
Compound	CAS Number	LOR	Unit	ES2234920-026	ES2234920-027	ES2234920-028	ES2234920-029	ES2234920-030
				Result	Result	Result	Result	Result
EP068A: Organochlorine Pestici	des (OC) - Continued							
4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
^ Sum of DDD + DDE + DDT	72-54-8/72-55-9/5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
	0-2							
EP068B: Organophosphorus Pe	sticides (OP)							
Dichlorvos	62-73-7	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Dimethoate	60-51-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Diazinon	333-41-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	121-75-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Fenthion	55-38-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Parathion	56-38-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Prothiofos	34643-46-4	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Ethion	563-12-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Carbophenothion	786-19-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
EP075(SIM)B: Polynuclear Arom	atic Hydrocarbons							
Naphthalene	91-20-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Fluorene	86-73-7	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Anthracene	120-12-7	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5

Page : 16 of 27 Work Order : ES2234920 Client : REGIONAL GEOTECHNICAL SOLUTION Project : RGS32576.1 PROPOSED CARPARK B Upgrades



Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	TP-N8 0.05-0.1	N-D1	TP-S1 0.3-0.35	TP-S2 0.2-0.3	TP-S3 0.1-0.2
		Samplii	ng date / time	29-Sep-2022 00:00				
Compound	CAS Number	LOR	Unit	ES2234920-026	ES2234920-027	ES2234920-028	ES2234920-029	ES2234920-030
				Result	Result	Result	Result	Result
EP075(SIM)B: Polynuclear Aromatic H	ydrocarbons - Cont	inued						
Pyrene	129-00-0	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chrysene	218-01-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
^ Sum of polycyclic aromatic hydrocarbon	s	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
^ Benzo(a)pyrene TEQ (zero)		0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
^ Benzo(a)pyrene TEQ (half LOR)		0.5	mg/kg	0.6	0.6	0.6	0.6	0.6
^ Benzo(a)pyrene TEQ (LOR)		0.5	mg/kg	1.2	1.2	1.2	1.2	1.2
EP080/071: Total Petroleum Hydrocart	oons							
C6 - C9 Fraction		10	mg/kg	<10	<10	<10	<10	<10
C10 - C14 Fraction		50	mg/kg	<50	<50	<50	<50	<50
C15 - C28 Fraction		100	mg/kg	<100	<100	<100	<100	<100
C29 - C36 Fraction		100	mg/kg	<100	<100	<100	<100	<100
[^] C10 - C36 Fraction (sum)		50	mg/kg	<50	<50	<50	<50	<50
EP080/071: Total Recoverable Hydroca	arbons - NEPM 201	3 Fraction	າຣ					
C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	<10	<10	<10
[^] C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg	<10	<10	<10	<10	<10
>C10 - C16 Fraction		50	mg/kg	<50	<50	<50	<50	<50
>C16 - C34 Fraction		100	mg/kg	<100	<100	<100	<100	<100
>C34 - C40 Fraction		100	mg/kg	<100	<100	<100	<100	<100
^ >C10 - C40 Fraction (sum)		50	mg/kg	<50	<50	<50	<50	<50
^ >C10 - C16 Fraction minus Naphthalene		50	mg/kg	<50	<50	<50	<50	<50
(F2)								
EP080: BTEXN								
Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5

Page	: 17 of 27
Work Order	: ES2234920
Client	: REGIONAL GEOTECHNICAL SOLUTION
Project	 RGS32576.1 PROPOSED CARPARK B Upgrades



Sub-Matrix: SOIL (Matrix: SOIL)		Sample ID		TP-N8 0.05-0.1	N-D1	TP-S1 0.3-0.35	TP-S2 0.2-0.3	TP-S3 0.1-0.2
		Sampli	ing date / time	29-Sep-2022 00:00				
Compound	CAS Number	LOR	Unit	ES2234920-026	ES2234920-027	ES2234920-028	ES2234920-029	ES2234920-030
				Result	Result	Result	Result	Result
EP080: BTEXN - Continued								
ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
^ Sum of BTEX		0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
^ Total Xylenes		0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	91-20-3	1	mg/kg	<1	<1	<1	<1	<1
EP066S: PCB Surrogate								
Decachlorobiphenyl	2051-24-3	0.1	%	99.7	76.1	74.0	99.3	88.9
EP068S: Organochlorine Pesticid	le Surrogate							
Dibromo-DDE	21655-73-2	0.05	%	88.1	72.8	72.3	94.7	86.4
EP068T: Organophosphorus Pes	ticide Surrogate							
DEF	78-48-8	0.05	%	92.6	78.1	75.3	60.5	96.5
EP075(SIM)S: Phenolic Compour	d Surrogates							
Phenol-d6	13127-88-3	0.5	%	86.9	91.8	88.9	94.8	93.9
2-Chlorophenol-D4	93951-73-6	0.5	%	90.1	90.3	88.1	94.1	92.8
2.4.6-Tribromophenol	118-79-6	0.5	%	62.5	62.5	60.2	61.4	62.6
EP075(SIM)T: PAH Surrogates								
2-Fluorobiphenyl	321-60-8	0.5	%	97.5	100	98.6	100	103
Anthracene-d10	1719-06-8	0.5	%	95.6	93.2	96.9	97.9	98.0
4-Terphenyl-d14	1718-51-0	0.5	%	98.8	99.8	98.4	100.0	99.6
EP080S: TPH(V)/BTEX Surrogates	s							
1.2-Dichloroethane-D4	17060-07-0	0.2	%	97.2	74.4	80.6	77.1	78.0
Toluene-D8	2037-26-5	0.2	%	86.9	80.8	88.3	79.9	87.4
4-Bromofluorobenzene	460-00-4	0.2	%	76.0	77.3	84.8	81.2	84.0



Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	TP-S4 0.1-0.2	TP-S5 0.1-0.2	TP-S6 0.1-0.2	TP-S7 0.1-0.2	TP-S8 0.05-0.1
		Samplii	ng date / time	29-Sep-2022 00:00				
Compound	CAS Number	LOR	Unit	ES2234920-031	ES2234920-032	ES2234920-033	ES2234920-034	ES2234920-035
				Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ [/]	105-110°C)							
Moisture Content		1.0	%	12.3	17.6	13.6	33.1	14.7
EG005(ED093)T: Total Metals by ICI	P-AES							
Arsenic	7440-38-2	5	mg/kg	6	6	5	6	<5
Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1
Chromium	7440-47-3	2	mg/kg	28	26	22	21	23
Copper	7440-50-8	5	mg/kg	30	35	30	30	31
Lead	7439-92-1	5	mg/kg	22	27	12	22	9
Nickel	7440-02-0	2	mg/kg	25	21	18	18	14
Zinc	7440-66-6	5	mg/kg	63	71	52	85	63
EG035T: Total Recoverable Mercur								
Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
EP066: Polychlorinated Biphenyls (
Total Polychlorinated biphenyls		0.1	mg/kg	<0.1	<0.1	<0.1	<0.1	<0.1
EP068A: Organochlorine Pesticides								
alpha-BHC	319-84-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	< 0.05
gamma-BHC	58-89-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
delta-BHC	319-86-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor	76-44-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Aldrin	309-00-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
^ Total Chlordane (sum)		0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Dieldrin	60-57-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Endrin	72-20-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
∖ Endosulfan (sum)	115-29-7	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	< 0.05

Page	: 19 of 27
Work Order	: ES2234920
Client	: REGIONAL GEOTECHNICAL SOLUTION
Project	 RGS32576.1 PROPOSED CARPARK B Upgrades



Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	TP-S4	TP-S5	TP-S6	TP-S7	TP-S8
				0.1-0.2	0.1-0.2	0.1-0.2	0.1-0.2	0.05-0.1
			ng date / time	29-Sep-2022 00:00				
Compound	CAS Number	LOR	Unit	ES2234920-031	ES2234920-032	ES2234920-033	ES2234920-034	ES2234920-035
				Result	Result	Result	Result	Result
EP068A: Organochlorine Pestici	des (OC) - Continued							
4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
^ Sum of DDD + DDE + DDT	72-54-8/72-55-9/5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
	0-2							
EP068B: Organophosphorus Pes	sticides (OP)							
Dichlorvos	62-73-7	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Dimethoate	60-51-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Diazinon	333-41-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Malathion	121-75-5	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Fenthion	55-38-9	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Parathion	56-38-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Prothiofos	34643-46-4	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Ethion	563-12-2	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Carbophenothion	786-19-6	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05
EP075(SIM)B: Polynuclear Arom	atic Hydrocarbons							
Naphthalene	91-20-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Fluorene	86-73-7	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Anthracene	120-12-7	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5

Page : 20 of 27 Work Order : ES2234920 Client : REGIONAL GEOTECHNICAL SOLUTION Project : RGS32576.1 PROPOSED CARPARK B Upgrades



Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	TP-S4 0.1-0.2	TP-S5 0.1-0.2	TP-S6 0.1-0.2	TP-S7 0.1-0.2	TP-S8 0.05-0.1
		Samplii	ng date / time	29-Sep-2022 00:00				
Compound	CAS Number	LOR	Unit	ES2234920-031	ES2234920-032	ES2234920-033	ES2234920-034	ES2234920-035
				Result	Result	Result	Result	Result
EP075(SIM)B: Polynuclear Aromatic H	ydrocarbons - Cont	inued						
Pyrene	129-00-0	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chrysene	218-01-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
[^] Sum of polycyclic aromatic hydrocarbon	s	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
[^] Benzo(a)pyrene TEQ (zero)		0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
^ Benzo(a)pyrene TEQ (half LOR)		0.5	mg/kg	0.6	0.6	0.6	0.6	0.6
^ Benzo(a)pyrene TEQ (LOR)		0.5	mg/kg	1.2	1.2	1.2	1.2	1.2
EP080/071: Total Petroleum Hydrocart	oons							
C6 - C9 Fraction		10	mg/kg	<10	<10	<10	<10	<10
C10 - C14 Fraction		50	mg/kg	<50	<50	<50	<50	<50
C15 - C28 Fraction		100	mg/kg	<100	<100	<100	150	<100
C29 - C36 Fraction		100	mg/kg	<100	<100	<100	140	<100
[^] C10 - C36 Fraction (sum)		50	mg/kg	<50	<50	<50	290	<50
EP080/071: Total Recoverable Hydroca	arbons - NEPM 201	3 Fraction	าร					
C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	<10	<10	<10
[^] C6 - C10 Fraction minus BTEX	C6_C10-BTEX	10	mg/kg	<10	<10	<10	<10	<10
(F1)								
>C10 - C16 Fraction		50	mg/kg	<50	<50	<50	<50	<50
>C16 - C34 Fraction		100	mg/kg	<100	100	<100	200	<100
>C34 - C40 Fraction		100	mg/kg	<100	<100	<100	150	<100
^ >C10 - C40 Fraction (sum)		50	mg/kg	<50	100	<50	350	<50
^ >C10 - C16 Fraction minus Naphthalene		50	mg/kg	<50	<50	<50	<50	<50
(F2)								
EP080: BTEXN								
Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5

Page	: 21 of 27
Work Order	: ES2234920
Client	: REGIONAL GEOTECHNICAL SOLUTION
Project	 RGS32576.1 PROPOSED CARPARK B Upgrades



Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	TP-S4 0.1-0.2	TP-S5 0.1-0.2	TP-S6 0.1-0.2	TP-S7 0.1-0.2	TP-S8 0.05-0.1
		Sampli	ing date / time	29-Sep-2022 00:00				
Compound	CAS Number	LOR	Unit	ES2234920-031	ES2234920-032	ES2234920-033	ES2234920-034	ES2234920-035
				Result	Result	Result	Result	Result
EP080: BTEXN - Continued								
ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
^ Sum of BTEX		0.2	mg/kg	<0.2	<0.2	<0.2	<0.2	<0.2
^ Total Xylenes		0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	91-20-3	1	mg/kg	<1	<1	<1	<1	<1
EP066S: PCB Surrogate								
Decachlorobiphenyl	2051-24-3	0.1	%	90.8	86.0	78.1	101	92.7
EP068S: Organochlorine Pesticid	le Surrogate							
Dibromo-DDE	21655-73-2	0.05	%	86.8	88.8	69.1	88.5	83.9
EP068T: Organophosphorus Pes	ticide Surrogate							
DEF	78-48-8	0.05	%	104	120	93.8	117	88.7
EP075(SIM)S: Phenolic Compour	nd Surrogates							
Phenol-d6	13127-88-3	0.5	%	94.8	95.1	90.7	94.6	89.4
2-Chlorophenol-D4	93951-73-6	0.5	%	95.4	96.4	93.4	92.6	88.7
2.4.6-Tribromophenol	118-79-6	0.5	%	60.1	72.1	63.5	72.6	63.9
EP075(SIM)T: PAH Surrogates								
2-Fluorobiphenyl	321-60-8	0.5	%	98.3	104	102	102	97.2
Anthracene-d10	1719-06-8	0.5	%	104	97.3	97.8	93.8	92.2
4-Terphenyl-d14	1718-51-0	0.5	%	103	100	100	97.8	94.9
EP080S: TPH(V)/BTEX Surrogates	s							
1.2-Dichloroethane-D4	17060-07-0	0.2	%	80.0	85.6	81.6	74.9	82.1
Toluene-D8	2037-26-5	0.2	%	84.9	96.4	95.2	83.5	94.4
4-Bromofluorobenzene	460-00-4	0.2	%	78.8	89.3	87.7	76.5	87.0

Page : 22 of 27 Work Order : ES2234920 Client : REGIONAL GEOTECHNICAL SOLUTION Project : RGS32576.1 PROPOSED CARPARK B Upgrades



Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	TP-S9 0.1-0.2	TP-S10 0.1-0.2	S-D1 0.1-0.2	
		Samplii	ng date / time	29-Sep-2022 00:00	29-Sep-2022 00:00	29-Sep-2022 00:00	
Compound	CAS Number	LOR	Unit	ES2234920-036	ES2234920-037	ES2234920-038	
				Result	Result	Result	
EA055: Moisture Content (Dried @	105-110°C)						
Moisture Content		1.0	%	15.4	24.1	17.8	
EG005(ED093)T: Total Metals by IC	P-AES						
Arsenic	7440-38-2	5	mg/kg	<5	<5	6	
Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	
Chromium	7440-47-3	2	mg/kg	28	13	24	
Copper	7440-50-8	5	mg/kg	30	44	34	
Lead	7439-92-1	5	mg/kg	14	12	22	
Nickel	7440-02-0	2	mg/kg	25	11	21	
Zinc	7440-66-6	5	mg/kg	60	90	67	
EG035T: Total Recoverable Mercu	iry by FIMS						
Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	<0.1	
EP066: Polychlorinated Biphenyls	(PCB)						
Total Polychlorinated biphenyls		0.1	mg/kg	<0.1	<0.1	<0.1	
EP068A: Organochlorine Pesticide	es (OC)						
alpha-BHC	319-84-6	0.05	mg/kg	<0.05	<0.05	<0.05	
Hexachlorobenzene (HCB)	118-74-1	0.05	mg/kg	<0.05	<0.05	<0.05	
beta-BHC	319-85-7	0.05	mg/kg	<0.05	<0.05	<0.05	
gamma-BHC	58-89-9	0.05	mg/kg	<0.05	<0.05	<0.05	
delta-BHC	319-86-8	0.05	mg/kg	<0.05	<0.05	<0.05	
Heptachlor	76-44-8	0.05	mg/kg	<0.05	<0.05	<0.05	
Aldrin	309-00-2	0.05	mg/kg	<0.05	<0.05	<0.05	
Heptachlor epoxide	1024-57-3	0.05	mg/kg	<0.05	<0.05	<0.05	
^ Total Chlordane (sum)		0.05	mg/kg	<0.05	<0.05	<0.05	
trans-Chlordane	5103-74-2	0.05	mg/kg	<0.05	<0.05	<0.05	
alpha-Endosulfan	959-98-8	0.05	mg/kg	<0.05	<0.05	<0.05	
cis-Chlordane	5103-71-9	0.05	mg/kg	<0.05	<0.05	<0.05	
Dieldrin	60-57-1	0.05	mg/kg	<0.05	<0.05	<0.05	
4.4`-DDE	72-55-9	0.05	mg/kg	<0.05	<0.05	<0.05	
Endrin	72-20-8	0.05	mg/kg	<0.05	<0.05	<0.05	
beta-Endosulfan	33213-65-9	0.05	mg/kg	<0.05	<0.05	<0.05	
^ Endosulfan (sum)	115-29-7	0.05	mg/kg	<0.05	<0.05	<0.05	
4.4`-DDD	72-54-8	0.05	mg/kg	<0.05	<0.05	<0.05	
Endrin aldehyde	7421-93-4	0.05	mg/kg	<0.05	<0.05	<0.05	
Endosulfan sulfate	1031-07-8	0.05	mg/kg	<0.05	<0.05	<0.05	

Page : 23 of 27 Work Order : ES2234920 Client : REGIONAL GEOTECHNICAL SOLUTION Project : RGS32576.1 PROPOSED CARPARK B Upgrades



Sub-Matrix: SOIL			Sample ID	TP-S9	TP-S10	S-D1	
(Matrix: SOIL)				0.1-0.2	0.1-0.2	0.1-0.2	
		Samplii	ng date / time	29-Sep-2022 00:00	29-Sep-2022 00:00	29-Sep-2022 00:00	
Compound	CAS Number	LOR	Unit	ES2234920-036	ES2234920-037	ES2234920-038	
				Result	Result	Result	
EP068A: Organochlorine Pesticie	des (OC) - Continued						
4.4`-DDT	50-29-3	0.2	mg/kg	<0.2	<0.2	<0.2	
Endrin ketone	53494-70-5	0.05	mg/kg	<0.05	<0.05	<0.05	
Methoxychlor	72-43-5	0.2	mg/kg	<0.2	<0.2	<0.2	
^ Sum of Aldrin + Dieldrin	309-00-2/60-57-1	0.05	mg/kg	<0.05	<0.05	<0.05	
^ Sum of DDD + DDE + DDT	72-54-8/72-55-9/5	0.05	mg/kg	<0.05	<0.05	<0.05	
	0-2						
EP068B: Organophosphorus Pes	sticides (OP)						
Dichlorvos	62-73-7	0.05	mg/kg	<0.05	<0.05	<0.05	
Demeton-S-methyl	919-86-8	0.05	mg/kg	<0.05	<0.05	<0.05	
Monocrotophos	6923-22-4	0.2	mg/kg	<0.2	<0.2	<0.2	
Dimethoate	60-51-5	0.05	mg/kg	<0.05	<0.05	<0.05	
Diazinon	333-41-5	0.05	mg/kg	<0.05	<0.05	<0.05	
Chlorpyrifos-methyl	5598-13-0	0.05	mg/kg	<0.05	<0.05	<0.05	
Parathion-methyl	298-00-0	0.2	mg/kg	<0.2	<0.2	<0.2	
Malathion	121-75-5	0.05	mg/kg	<0.05	<0.05	<0.05	
Fenthion	55-38-9	0.05	mg/kg	<0.05	<0.05	<0.05	
Chlorpyrifos	2921-88-2	0.05	mg/kg	<0.05	<0.05	<0.05	
Parathion	56-38-2	0.2	mg/kg	<0.2	<0.2	<0.2	
Pirimphos-ethyl	23505-41-1	0.05	mg/kg	<0.05	<0.05	<0.05	
Chlorfenvinphos	470-90-6	0.05	mg/kg	<0.05	<0.05	<0.05	
Bromophos-ethyl	4824-78-6	0.05	mg/kg	<0.05	<0.05	<0.05	
Fenamiphos	22224-92-6	0.05	mg/kg	<0.05	<0.05	<0.05	
Prothiofos	34643-46-4	0.05	mg/kg	<0.05	<0.05	<0.05	
Ethion	563-12-2	0.05	mg/kg	<0.05	<0.05	<0.05	
Carbophenothion	786-19-6	0.05	mg/kg	<0.05	<0.05	<0.05	
Azinphos Methyl	86-50-0	0.05	mg/kg	<0.05	<0.05	<0.05	
EP075(SIM)B: Polynuclear Aroma	atic Hydrocarbons						
Naphthalene	91-20-3	0.5	mg/kg	<0.5	<0.5	<0.5	
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	<0.5	<0.5	
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	<0.5	<0.5	
Fluorene	86-73-7	0.5	mg/kg	<0.5	<0.5	<0.5	
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	<0.5	<0.5	
Anthracene	120-12-7	0.5	mg/kg	<0.5	<0.5	<0.5	
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	<0.5	<0.5	

Page : 24 of 27 Work Order : ES2234920 Client : REGIONAL GEOTECHNICAL SOLUTION Project : RGS32576.1 PROPOSED CARPARK B Upgrades



Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	TP-S9 0.1-0.2	TP-S10 0.1-0.2	S-D1 0.1-0.2	
		Samplii	ng date / time	29-Sep-2022 00:00	29-Sep-2022 00:00	29-Sep-2022 00:00	
Compound	CAS Number	LOR	Unit	ES2234920-036	ES2234920-037	ES2234920-038	
				Result	Result	Result	
EP075(SIM)B: Polynuclear Aromatic H	ydrocarbons - Cont	inued					
Pyrene	129-00-0	0.5	mg/kg	<0.5	<0.5	<0.5	
Benz(a)anthracene	56-55-3	0.5	mg/kg	<0.5	<0.5	<0.5	
Chrysene	218-01-9	0.5	mg/kg	<0.5	<0.5	<0.5	
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	<0.5	<0.5	
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	<0.5	<0.5	
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	<0.5	
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	<0.5	
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	<0.5	
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	<0.5	
^ Sum of polycyclic aromatic hydrocarbon	s	0.5	mg/kg	<0.5	<0.5	<0.5	
^ Benzo(a)pyrene TEQ (zero)		0.5	mg/kg	<0.5	<0.5	<0.5	
^ Benzo(a)pyrene TEQ (half LOR)		0.5	mg/kg	0.6	0.6	0.6	
^ Benzo(a)pyrene TEQ (LOR)		0.5	mg/kg	1.2	1.2	1.2	
EP080/071: Total Petroleum Hydrocarl	oons						
C6 - C9 Fraction		10	mg/kg	<10	<10	<10	
C10 - C14 Fraction		50	mg/kg	<50	<50	<50	
C15 - C28 Fraction		100	mg/kg	<100	<100	<100	
C29 - C36 Fraction		100	mg/kg	<100	<100	<100	
^ C10 - C36 Fraction (sum)		50	mg/kg	<50	<50	<50	
EP080/071: Total Recoverable Hydroc	arbons - NEPM 201	3 Fraction	าร				
C6 - C10 Fraction	C6_C10	10	mg/kg	<10	<10	<10	
[^] C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg	<10	<10	<10	
>C10 - C16 Fraction		50	mg/kg	<50	<50	<50	
>C16 - C34 Fraction		100	mg/kg	<100	<100	<100	
>C34 - C40 Fraction		100	mg/kg	<100	<100	<100	
^ >C10 - C40 Fraction (sum)		50	mg/kg	<50	<50	<50	
^ >C10 - C16 Fraction minus Naphthalene		50	mg/kg	<50	<50	<50	
(F2)							
EP080: BTEXN							
Benzene	71-43-2	0.2	mg/kg	<0.2	<0.2	<0.2	
Toluene	108-88-3	0.5	mg/kg	<0.5	<0.5	<0.5	
Ethylbenzene	100-41-4	0.5	mg/kg	<0.5	<0.5	<0.5	
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg	<0.5	<0.5	<0.5	

Page	: 25 of 27
Work Order	: ES2234920
Client	: REGIONAL GEOTECHNICAL SOLUTION
Project	 RGS32576.1 PROPOSED CARPARK B Upgrades



Sub-Matrix: SOIL (Matrix: SOIL)			Sample ID	TP-S9 0.1-0.2	TP-S10 0.1-0.2	S-D1 0.1-0.2	
		Sampli	ing date / time	29-Sep-2022 00:00	29-Sep-2022 00:00	29-Sep-2022 00:00	
Compound	CAS Number	LOR	Unit	ES2234920-036	ES2234920-037	ES2234920-038	
				Result	Result	Result	
EP080: BTEXN - Continued							
ortho-Xylene	95-47-6	0.5	mg/kg	<0.5	<0.5	<0.5	
^ Sum of BTEX		0.2	mg/kg	<0.2	<0.2	<0.2	
^ Total Xylenes		0.5	mg/kg	<0.5	<0.5	<0.5	
Naphthalene	91-20-3	1	mg/kg	<1	<1	<1	
EP066S: PCB Surrogate							
Decachlorobiphenyl	2051-24-3	0.1	%	114	104	101	
EP068S: Organochlorine Pesticio	de Surrogate						
Dibromo-DDE	21655-73-2	0.05	%	103	95.5	94.4	
EP068T: Organophosphorus Pes	ticide Surrogate						
DEF	78-48-8	0.05	%	93.5	96.0	92.2	
EP075(SIM)S: Phenolic Compour	nd Surrogates						
Phenol-d6	13127-88-3	0.5	%	102	94.6	91.2	
2-Chlorophenol-D4	93951-73-6	0.5	%	101	95.0	91.4	
2.4.6-Tribromophenol	118-79-6	0.5	%	68.8	64.2	67.3	
EP075(SIM)T: PAH Surrogates							
2-Fluorobiphenyl	321-60-8	0.5	%	96.3	103	100	
Anthracene-d10	1719-06-8	0.5	%	102	99.8	96.3	
4-Terphenyl-d14	1718-51-0	0.5	%	106	104	98.3	
EP080S: TPH(V)/BTEX Surrogate	s						
1.2-Dichloroethane-D4	17060-07-0	0.2	%	79.8	75.6	84.0	
Toluene-D8	2037-26-5	0.2	%	88.5	87.2	99.7	
4-Bromofluorobenzene	460-00-4	0.2	%	82.9	83.8	91.4	



Descriptive Results

Sub-Matrix: SOIL

Method: Compound	Sample ID - Sampling date / time	Analytical Results
EA200: AS 4964 - 2004 Identification of	f Asbestos in Soils	
EA200: Description	TP-N10.05-0.1 - 29-Sep-2022 00:00	Soil sample.
EA200: Description	TP-N20.05-0.1 - 29-Sep-2022 00:00	Soil sample.
EA200: Description	TP-N30.9-1 - 29-Sep-2022 00:00	Soil sample.
EA200: Description	TP-N40.1-0.2 - 29-Sep-2022 00:00	Soil sample.
EA200: Description	TP-N50.05-0.1 - 29-Sep-2022 00:00	Soil sample.
EA200: Description	TP-N60.1-0.2 - 29-Sep-2022 00:00	Soil sample.
EA200: Description	TP-N70.05-0.1 - 29-Sep-2022 00:00	Soil sample.
EA200: Description	TP-N80.05-0.1 - 29-Sep-2022 00:00	Soil sample.
EA200: Description	TP-S10.3-0.35 - 29-Sep-2022 00:00	Soil sample.
EA200: Description	TP-S20.2-0.3 - 29-Sep-2022 00:00	Soil sample.
EA200: Description	TP-S30.1-0.2 - 29-Sep-2022 00:00	Soil sample.
EA200: Description	TP-S40.1-0.2 - 29-Sep-2022 00:00	Soil sample.
EA200: Description	TP-S50.1-0.2 - 29-Sep-2022 00:00	Soil sample.
EA200: Description	TP-S60.1-0.2 - 29-Sep-2022 00:00	Soil sample.
EA200: Description	TP-S70.1-0.2 - 29-Sep-2022 00:00	Soil sample.
EA200: Description	TP-S80.05-0.1 - 29-Sep-2022 00:00	Soil sample.
EA200: Description	TP-S90.1-0.2 - 29-Sep-2022 00:00	Soil sample.
EA200: Description	TP-S100.1-0.2 - 29-Sep-2022 00:00	Soil sample.



Surrogate Control Limits

Sub-Matrix: SOIL		Recovery	Limits (%)
Compound	CAS Number	Low	High
EP066S: PCB Surrogate			
Decachlorobiphenyl	2051-24-3	39	149
EP068S: Organochlorine Pesticide S	urrogate		
Dibromo-DDE	21655-73-2	49	147
EP068T: Organophosphorus Pesticio	de Surrogate		
DEF	78-48-8	35	143
EP075(SIM)S: Phenolic Compound S	urrogates		
Phenol-d6	13127-88-3	63	123
2-Chlorophenol-D4	93951-73-6	66	122
2.4.6-Tribromophenol	118-79-6	40	138
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	70	122
Anthracene-d10	1719-06-8	66	128
4-Terphenyl-d14	1718-51-0	65	129
EP080S: TPH(V)/BTEX Surrogates			
1.2-Dichloroethane-D4	17060-07-0	73	133
Toluene-D8	2037-26-5	74	132
4-Bromofluorobenzene	460-00-4	72	130

Inter-Laboratory Testing

Analysis conducted by ALS Newcastle, NATA accreditation no. 825, site no. 1656 (Chemistry) 9854 (Biology).

(SOIL) EA200: AS 4964 - 2004 Identification of Asbestos in Soils

RESULTS OF SOIL ANALYSIS

2 samples supplied by Regional Geotechnical Solutions Pty Ltd on 30/09/2022. Lab Job No. N3232. Samples submitted by Louis Davidson. Your Job: RGS32576.1. 1/21 Cook Drive COFFS HARBOUR NSW 2450

	Method	Sample 1 N-T1 0.1-0.2m	Sample 2 S-T1 0.1-0.2m
	Job No.	N3232/1	N3232/2
		_	_
Arsenic (mg/kg)	1:3 Nitric/HCl digest - APHA 3125 ICPMS	9	7
Lead (mg/kg)	1:3 Nitric/HCl digest - APHA 3125 ICPMS	31	23
Cadmium (mg/kg)	1:3 Nitric/HCl digest - APHA 3125 ICPMS	<0.5	<0.5
Chromium (mg/kg)	1:3 Nitric/HCl digest - APHA 3125 ICPMS	19	26
Copper (mg/kg)	1:3 Nitric/HCl digest - APHA 3125 ICPMS	29	35
Nickel (mg/kg)	1:3 Nitric/HCl digest - APHA 3125 ICPMS	15	23
Zinc (mg/kg)	1:3 Nitric/HCl digest - APHA 3125 ICPMS	96	73
Mercury (mg/kg)	1:3 Nitric/HCl digest - APHA 3125 ICPMS	<0.1	<0.1
vercury (mg/kg)	1.5 Nitric/ HCI digest - APHA 3125 ICPMS	\U.1	\$0.1
PESTICIDE ANALYSIS SCREEN			
Hexachlorobenzene (HCB) (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
Alpha BHC (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
indane (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
Heptachlor (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
Aldrin (mg/kg)	Subcontracted: SGS report SE 237445	<0.1 <0.1	<0.1 <0.1
3eta BHC (mg/kg) Delta BHC (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
Heptachlor epoxide (mg/kg)	Subcontracted: SGS report SE 237445 Subcontracted: SGS report SE 237445	<0.1	<0.1
p,p'-DDE (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
lpha Endosulfan (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.2
Gamma Chlordane (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
Alpha Chlordane (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
rans-Nonachlor (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
p,p'-DDE (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
Dieldrin (mg/kg)	Subcontracted: SGS report SE 237445	<0.2	<0.2
ndrin (mg/kg)	Subcontracted: SGS report SE 237445	<0.2	<0.2
p,p'-DDD (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
p,p'-DDT (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
Beta Endosulfan (mg/kg)	Subcontracted: SGS report SE 237445	<0.2	<0.2
p,p'-DDD (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
p,p'-DDT (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
ndosulfan sulphate (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
ndrin Aldehyde (mg/kg)	Subcontracted: SGS report SE 237445	<0.1 <0.1	<0.1 <0.1
Aethoxychlor (mg/kg)	Subcontracted: SGS report SE 237445 Subcontracted: SGS report SE 237445	<0.1	<0.1
Endrin Ketone (mg/kg) sodrin (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
Mirex (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
Total CLP OC Pesticides (mg/kg)	Subcontracted: SGS report SE 237445	<1	<1
Fotal OC VIC EPA (mg/kg)	Subcontracted: SGS report SE 237445	<1	<1
			0.5
Dichlorvos (mg/kg)	Subcontracted: SGS report SE 237445	<0.5	<0.5
Dimethoate (mg/kg)	Subcontracted: SGS report SE 237445	<0.5 <0.5	<0.5 <0.5
Diazinon (Dimpylate) (mg/kg) Fenitrothion (mg/kg)	Subcontracted: SGS report SE 237445	<0.3	<0.3
Aalathion (mg/kg)	Subcontracted: SGS report SE 237445 Subcontracted: SGS report SE 237445	<0.2	<0.2
Chlorpyrifos (Chlorpyrifos Ethyl) (mg/kg)	Subcontracted: SGS report SE 237445	<0.2	<0.2
Parathion-ethyl (Parathion) (mg/kg)	Subcontracted: SGS report SE 237445	<0.2	<0.2
Bromophos Ethyl (mg/kg)	Subcontracted: SGS report SE 237445	<0.2	<0.2
Methidathion (mg/kg)	Subcontracted: SGS report SE 237445	<0.5	<0.5
Ethion (mg/kg)	Subcontracted: SGS report SE 237445	<0.2	<0.2
zinphos-methyl (Guthion) (mg/kg)	Subcontracted: SGS report SE 237445	<0.2	<0.2
Total OP Pesticides (mg/kg)	Subcontracted: SGS report SE 237445	<1.7	<1.7
Arochlor 1016 (mg/kg)	Subcontracted: SGS report SE 237445	<0.2	<0.2
Arochlor 1221 (mg/kg)	Subcontracted: SGS report SE 237445	<0.2	<0.2
Arochlor 1222 (mg/kg)	Subcontracted: SGS report SE 237445	<0.2	<0.2
Arochlor 1242 (mg/kg)	Subcontracted: SGS report SE 237445	<0.2	<0.2
Arochlor 1248 (mg/kg)	Subcontracted: SGS report SE 237445	<0.2	<0.2
vrochlor 1254 (mg/kg)	Subcontracted: SGS report SE 237445	<0.2	<0.2
Arochlor 1260 (mg/kg)	Subcontracted: SGS report SE 237445	<0.2	<0.2
Arochlor 1262 (mg/kg)	Subcontracted: SGS report SE 237445	<0.2	<0.2
rochlor 1268 (mg/kg)	Subcontracted: SGS report SE 237445	<0.2	<0.2
Total PCBs (Arochlors) (mg/kg)	Subcontracted: SGS report SE 237445	<1	<1
HYDROCARBON ANALYSIS RESULTS			
BTEX			
Benzene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
oluene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
Ethylbenzene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
n/p-xylene (mg/kg)	Subcontracted: SGS report SE 237445	<0.2	<0.2
p-xylene (mg/kg)	Subcontracted: SGS report SE 237445 Subcontracted: SGS report SE 237445	<0.2	<0.2
Fotal Xylenes (mg/kg)	Subcontracted: SGS report SE 237445 Subcontracted: SGS report SE 237445	<0.1	<0.1
otal Aylenes (mg/kg) otal BTEX (mg/kg)	Subcontracted: SGS report SE 237445 Subcontracted: SGS report SE 237445	<0.5	<0.5
Japhthalene (VOC) (mg/kg)	Subcontracted: SGS report SE 237445 Subcontracted: SGS report SE 237445	<0.0	<0.0
			-0.1
Total Recoverable Hydrocarbons			<u>^-</u>
Benzene (F0) (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1
TRH C6-C9 (mg/kg)	Subcontracted: SGS report SE 237445	<20	<20
FRH C6-C10 (mg/kg)	Subcontracted: SGS report SE 237445	<25	<25
TRH C6-C10 minus BTEX (F1) (mg/kg)	Subcontracted: SGS report SE 237445	<25	<25
FRH C10-C14 (mg/kg)	Subcontracted: SGS report SE 237445	<20	<20
	5455511145164, 505 report 3E 23/445	-20	-20

RESULTS OF SOIL ANALYSIS

2 samples supplied by Regional Geotechnical Solutions Pty Ltd on 30/09/2022. Lab Job No. N3232.

Samples submitted by Louis Davidson. Your Job: RGS32576.1. 1/21 Cook Drive COFFS HARBOUR NSW 2450

		Sample 1	Sample 2	
	Method	N-T1 0.1-0.2m	S-T1 0.1-0.2m	
	Job No.	N3232/1	N3232/2	
TRH C29-C36 (mg/kg)	Subcontracted: SGS report SE 237445	<45	71	
TRH C37-C40 (mg/kg)	Subcontracted: SGS report SE 237445	<100	<100	
TRH >C10-C16 (mg/kg)	Subcontracted: SGS report SE 237445	<25	<25	
TRH >C10-C16 - Naphthalene (F2) (mg/kg)	Subcontracted: SGS report SE 237445	<25	<25	
TRH >C16-C34 (F3) (mg/kg)	Subcontracted: SGS report SE 237445	<90	96	
TRH >C34-C40 (F4) (mg/kg)	Subcontracted: SGS report SE 237445	<120	<120	
TRH C10-C36 Total (mg/kg)	Subcontracted: SGS report SE 237445	<110	130	
TRH >C10-C40 Total (F bands) (mg/kg)	Subcontracted: SGS report SE 237445	<210	<210	
Polynuclear Aromatic Hydrocarbons (PAH)				
Naphthalene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1	
2-methylnaphthalene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1	
1-methylnaphthalene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1	
Acenaphthylene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	0.1	
Acenaphthene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1	
Fluorene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1	
Phenanthrene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1	
Anthracene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1	
Fluoranthene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	0.2	
Pyrene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	0.3	
Benzo(a)anthracene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	0.3	
Chrysene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	0.3	
Benzo(b&j)fluoranthene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	0.4	
Benzo(k)fluoranthene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	0.2	
Benzo(a)pyrene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	0.3	
Indeno(1,2,3-cd)pyrene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	0.2	
Dibenzo(ah)anthracene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	<0.1	
Benzo(ghi)perylene (mg/kg)	Subcontracted: SGS report SE 237445	<0.1	0.2	
Carcinogenic PAHs, BaP TEQ <lor=0 (mg="" (teq="" kg))<="" td=""><td>Subcontracted: SGS report SE 237445</td><td><0.2</td><td>0.4</td></lor=0>	Subcontracted: SGS report SE 237445	<0.2	0.4	
Carcinogenic PAHs, BaP TEQ <lor=lor (mg="" (teq="" kg))<="" td=""><td>Subcontracted: SGS report SE 237445</td><td><0.3</td><td>0.5</td></lor=lor>	Subcontracted: SGS report SE 237445	<0.3	0.5	
Carcinogenic PAHs, BaP TEQ <lor=lor (mg="" (teq="" 2="" kg))<="" td=""><td>Subcontracted: SGS report SE 237445</td><td><0.2</td><td>0.5</td></lor=lor>	Subcontracted: SGS report SE 237445	<0.2	0.5	
Total PAH (18) (mg/kg)	Subcontracted: SGS report SE 237445	<0.8	2.6	
Total PAH (NEPM/WHO 16) (mg/kg)	Subcontracted: SGS report SE 237445	<0.8	2.6	

Notes:

1. ppm = mg/Kg dried sample

2. All results as dry weight DW - samples were dried at 40oC for 24-48hrs prior to crushing and analysis.

3. Methods from Rayment and Lyons, Soil Chemical Methods - Australasia

4. Metals analysed by ICP-MS (Inductively Coupled Plasma - Mass Spectrometry)

5. In SGS Pesticide Analysis Screening the following pesticides are included: Organochlorine pesticide (OC's) screen: (HCB, alpha-BHC, g

(HCB, alpha-BHC, gamma-BHC, Lindane, Heptachlor, Aldrin, beta-BHC, delta-BHC, Heptachlor epoxide, op-DDE, alpha-Endosulfan, alpha-Chlordane, trans-Nonachlor, pp-DDD, pp-DDT, Endosulfan sulphate, Endrin Aldehyde, Methoxychlor, Endrin Ketone, Isodrin, Mirex)

Organophosphorus pesticide (OP's) screen: (Diazinon, Dimethoate, Dichlorvos, Fenitrothion, Malathion, Chlorpyrifos Ethyl, Parathion Ethyl, Bromophos Ethyl, Methidathion, Anzinphos-methyl (Guthion), Ethion) 6. Analysis conducted between sample arrival date and reporting date.

7. ** NATA accreditation does not cover the performance of this service.

8. .. Denotes not requested.

9. This report is not to be reproduced except in full.

10. All services undertaken by EAL are covered by the EAL Laboratory Services Terms and Conditions (refer SCU.edu.au/eal/t&cs or on request).

11. Results relate only to the samples tested.

12. This report was issued on 13/10/2022.







Appendix D

Letter from Dr David Tully CEnvP SC

Regional Geotechnical Solutions RGS32576.1-AR 19 October 2022

Contaminated Land Solutions

24 October 2022

Ref: 0177.L04

Regional Geotechnical Solutions Pty Ltd 2 Murray Circuit Mayfield West NSW 2304

For the attention of Louis Davidson

Dear Louis,

RE: Report Review Stage 1 & Stage 2 Site Contamination Assessment –Tamworth Health Service Redevelopment: On-grade Carparks, Dean Street, Tamworth

I, Dr David Tully of Contaminated Land Solutions Pty Ltd, am a Certified Environmental Practitioner Site Contamination Specialist (General Certified Environmental Practitioner certification no. 1138 and Site Contamination Specialist certification no. SC40084).

I confirm I have reviewed the Regional Geotechnical Solutions report entitled "Stage 1 & Stage 2 Site Contamination Assessment – *Tamworth Health Service Redevelopment: On-grade Carparks, Dean Street, Tamworth*" (Ref: RGS32576.1-AR), dated 19 October 2022 and a copy of which I have retained.

I can confirm that on the basis of the information contained within the report, I support the conclusions and recommendations provided therein.

Should the client, regulator or local authority have any queries regarding the report review, I can be contacted by e-mail via <u>david.tully@contaminatedlandsolutions.com.au</u>. Specific queries regarding the content of the report should be addressed to Louis Davidson at Regional Geotechnical Solutions.

For and on behalf of Contaminated Land Solutions Pty Ltd

Dr David Tully CEnvP SC Director Contaminated Land Solutions Pty Ltd





Contaminated Land Solutions Pty Ltd 10 Heath Road Crafers West SA 5152 0410 012 292 david.tully@contaminatedlandsolutions.com.au