compassenvironmental

Compass Environmental Pty Ltd ABN: 29 938 692 270
Suite 6, 5 Rose Street Hawthorn East 3123 Australia
Tel: +61 3 9819 4704 Fax: +61 3 9819 4724
www.compassenviro.com.au

VicUrban

Preliminary Site Contamination Assessment
Corner McCubbin Drive and Robertsons Road
Taylors Lakes Victoria

10 June 2010
REF: 1042RPT01-F

Document Distribution and Control

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ABN: 29 938 692 270
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Tel: +61 3 9819 4704 Fax: +61 3 9819 4724
www.compassenviro.com.au

Document Status

Revision	Date	Status	Written by	Reviewed by
0	10 June 2010	Final	AD	DS

Document Distribution

Revision	Date	No of copies	Format	Issued to
0	10 June 2010	1 1	Hardcopy Electronic copy	Jonathan Yap VicUrban
0	10 June 2010	1	Electronic copy	Compass Environmental Pty Ltd

Approval for Issue

Revision	Date	Approved by
0	10 June 2010	Damon Scoffern Principal Environmental Scientist

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1 Introduction

Compass Environmental was engaged by Jonathan Yap on behalf of VicUrban to conduct a Preliminary Site Contamination Assessment at the DEECD site located on the corner of McCubbin Drive and Robertsons Road, Taylors Lakes VIC ("the site"). The entire land parcel comprises an area of approximately 9.1 hectares and is currently a vacant grassed reserve.

The assessment was being conducted for due diligence purposes, prior to possible acquisition of the site. No previous environmental assessments have been identified.

2 Scope of work

The following scope of work was implemented:

- Site history review including:
  - Review of historical aerial photographs at the Land Information Office of the Department of Sustainability and Environment.
  - Historical title search to identify past registered proprietors of the site.
  - Enquiry to the local historical society.
  - Enquiry to the local water authority regarding site drainage plans and trade waste agreements.
  - Review of Cathodic Protection Systems Database (Energy of Victoria).
  - Review of EPA Priority Sites Register to assess whether Clean up or pollution Abatement Notices have been issued for the site or immediately surrounding properties.

- Appraisal of site geology and hydrogeology including:
  - Review of geological, hydrogeological and topographical maps.

- Site inspection including:
  - Detailed site inspection to determine current site condition and to check for any visual evidence of potential contamination.
  - Inspection of apparent condition and use of adjacent properties.

- Soil investigation comprising:
  - Bore logging and soil sampling at 15 locations (including 4 surface samples and 11 soil samples installed by GeoAust as part of their geotechnical program). The soil samples were collected from the auger flights from the geotechnical rig. All samples were subject to testing in the field for volatile organics using a photoionisation detector (PID). All bores were logged providing descriptions of soil and fill depth, details of sampling undertaken and results of PID testing.
  - Laboratory analysis program. The soil/fill samples were analysed for a range of potential contaminants identified by the site history search.

- Preparation of report detailing findings of the Preliminary Site Contamination Assessment.

3 Site Description

The site is located on the corner of McCubbin Drive and Robertsons Road, Taylors Lakes VIC and comprises two land parcels with a total approximate area of 9.1 hectares. Site identification details are provided in table 1 below. Current Certificates of Title are included in Appendix A.

Table 1 Site Identification Details

Allotment and Plan No	Referenced Certificate of Title Details
Lot RES1 PS342427	Volume 10178 Folio 827
Lot RES1 PS316588	Volume 08870 Folio 291

3.1 Surrounding Land Use

The use of the land in the vicinity of the site (as of May 2010) is described in table 2 below.

Table 2 Surrounding Land Use

Direction	Land use
North	Residential / Reserve
South	Residential
East	Residential
West	Overnewton Community College / Reserve

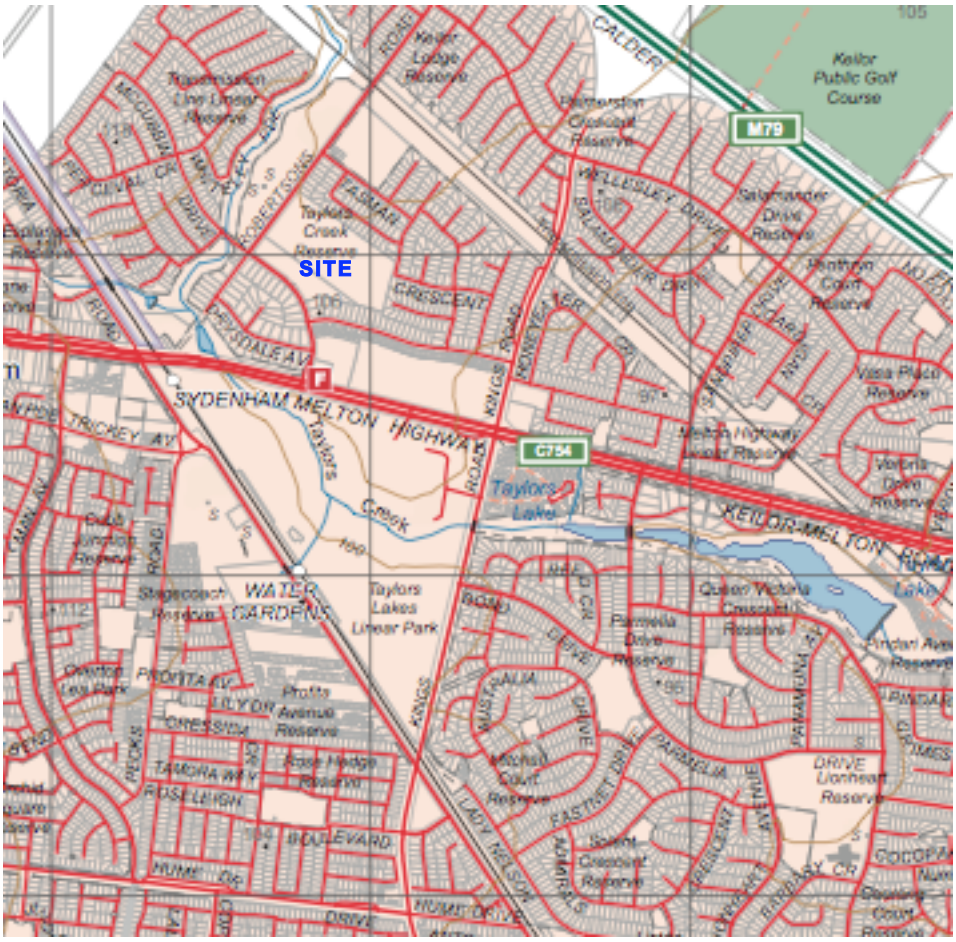
3.2 Council Planning Scheme

The site is zoned Public Use - Education (PUZ2) with an associated Schedule to the Public Use Zone and Residential 1 Zone (R1Z) with an associated Schedule to the Residential 1 Zone under the City of Brimbank Council Planning Scheme. No Planning or Environmental Overlays currently apply to the site.

The Planning and Property Reports are included in Appendix B.

3.3 Topography

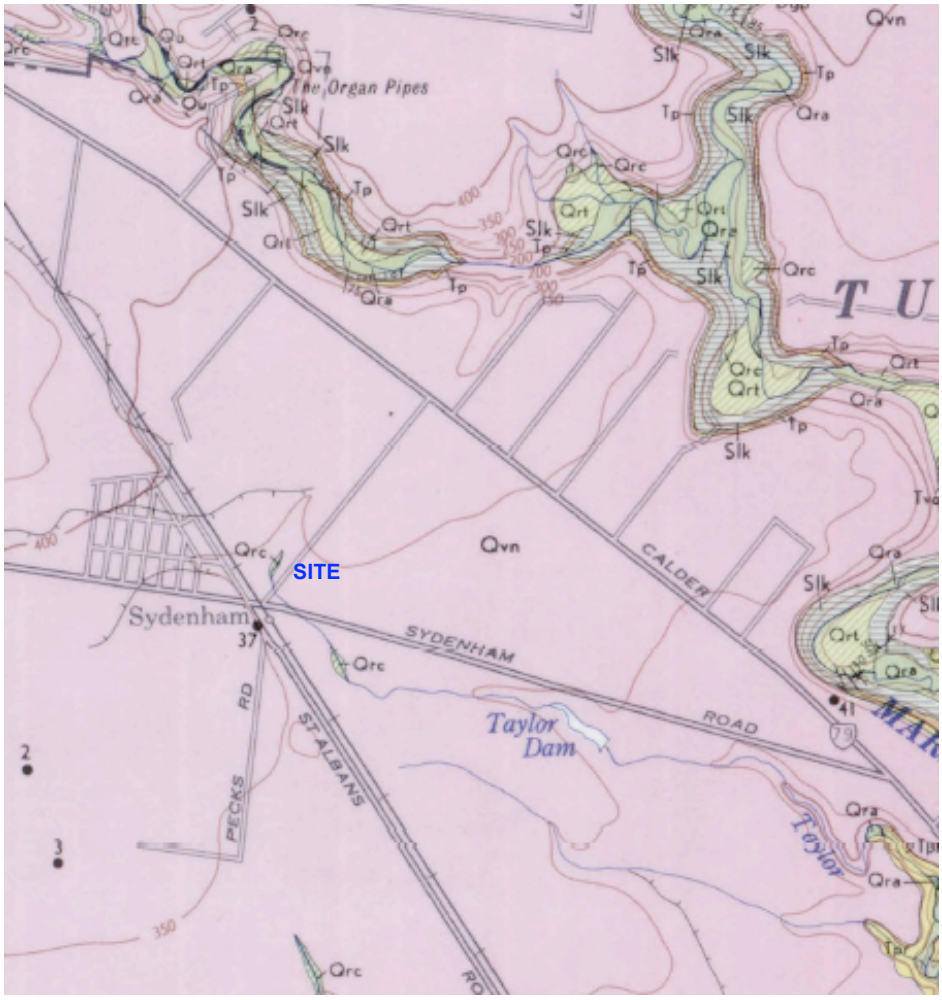
The site is relatively flat with a ground elevation of approximately 106 m AHD. The local topography shows a slight slope down towards Taylors Creek to the south west of the site (refer to topographic map below).



VicMap Topographic Map 1:30,000
Map No. T7822-1-3-3
(Note, all elevations are provided in m AHD)

3.4 Geology

The Geological Survey of Victoria 1:63,360 series Sunbury Map sheet (Part of No 7822, Zone 55) indicates the site is underlain by Tertiary Aged Newer Volcanics (Qvn). This unit comprises olivine basalt with minor limburgite, trachyandesite, scoria, thin interbedded sand, clay and tuff. The Newer Volcanics formation is underlain by Ordovician Formation, which consists of interbedded greywacke, shale and conglomerate. Quartenary Colluvium and minor slump deposits (Qrc) are present west and south of the site.



Regional Geology

(Extract from The Geological Survey of Victoria 1:63,360 series Sunbury Map sheet)

3.5 Hydrogeology

The hydrogeology of the area is broadly aligned with the underlying geology. The uppermost groundwater aquifer present in the vicinity of the site is the Newer Volcanics aquifer.

The Newer Volcanics basalts cover an area of approximately 2,575 km^2 and often exceed 150 m in thickness along pre-basaltic drainage lines but are thinner (around 40 m) over the interfluves (Leonard 1992). They form a continuous sheet like cover of Newer Volcanics that extends around the northern shore of the Bay from Melbourne to Geelong and northwards up into the highlands.

Groundwater flow in the Newer Volcanics basalts is very complex, with groundwater flow occurring in fractures and joints, vesicular openings as well as between basalt flows (Leonard 1989). The rate of groundwater flow within the basalt depends on the size, interconnectivity and frequency of the fractures and joints. The horizontal hydraulic conductivity is mostly due to interflow spaces whereas the vertical hydraulic conductivity is largely due to fracturing of partially solidified lava and shrinkage cracking (Leonard 1989). In some instances two or more flows form an aquifer system (Leonard 1989). In these cases individual aquifers are separated by aquitards or aquicludes represented by relict soils or low permeability layers of dense basalt.

Leonard (1989 and 1992) provides the following information on the typical characteristics of the Newer Volcanics aquifers:

- Saturated thickness: 10 – 100 m.
- Horizontal hydraulic conductivity: 1 - 35 m/d, with an average of about 8 m/d.
- Vertical hydraulic conductivity of clay aquitard: 0.004 m/d (average for West Footscray area).
- Transmissivity: 1 – 100 m^2/d.
- Effective porosity: 0.01-0.3, but mostly 0.02.
- Chemistry: The main anions in groundwater are often chloride, sulphate and bicarbonate, Major cations include sodium, magnesium and calcium. Nitrate concentrations are generally below 60 mg/L and generally show no correlation with salinity. Sulphate concentrations of up to 1,800 mg/L are reported with an average of 285 mg/L (Leonard 1992).

The uppermost groundwater aquifer beneath the site is expected to be present within 10-15 m depth. The nearest surface water body is Taylors Creek, located approximately 90 m to the north west of the site (at the closest point), with the Maribyrnong River located approximately 1,500 m north of the site.

4 Site History Review

The following sources of historical information were accessed:

- ❒ Historical aerial photographs at the Aerial Photography Library, Land Information Centre, Laverton.
- ❒ Enquiries to the local historical society
- ❒ Current and historical titles.
- ❒ EPA Priority Site Register.
- ❒ Energy Safe Victoria Cathodic Protection Systems database.
- ❒ Enquiries to Local Water Authorities regarding site drainage plans and trade waste agreements.

The results of the site history review are summarised below.

4.1 Review of Historical Aerial Photographs

Seven historical aerial photographs were selected for review. Observations interpreted from the photographs are provided in table 3 below. Copies of the aerial photographs are provided in Appendix C.

Table 3 Summary of Historical Aerial Photo Review

Photograph	Observations
12/1945 Run: 38 Film: 229 Photo: 63333 Scale: 1:6000	**Site:** The site appears to be grazing / farmland. Three small square structures and three larger rectangular structures are visible in the central west. These structures appear to align along the current boundary between the two land parcels. A road extends along the (current) boundary line (east / southeast to west / northwest) and curves perpendicularly toward the southwest at the point of intersection with the location of the buildings.
	Surrounding area: The surrounding area appears to be grazing or farmland. No structures are visible in the immediate vicinity of the site. A rural property with buildings is visible to the north (west of Robertsons Road). A second property with a large water body is present in the south. This water body appears to be fed by Taylors creek, which runs north to south (west of Robertsons Road) and curves toward the east, crossing through the property. A cricket ground is visible to the east / southeast. The Sydenham railway line extends northwest to south east adjacent to Sydenham Road. Associated buildings and rail carriages are visible.
01/1951 Run: 10 Film: 1423 Photo: 2 Scale: 1:12000	**Site:** Some disturbance to the structures in the central west is evident, with dirt roads or tracks extending behind the buildings; leading south. A small line of trees has been planted in front of the buildings. A large elliptical track is visible on the site and extends across the land immediately north.
	Surrounding area: No significant change appears to have occurred. Some disturbance is visible on the property to the south of the site. A large area to the north appears to have been cropped or graded, with an ovoid appearance.
02/1960	**Site:** Three of the previous structures are visible in the central west behind the tree line. An

Run: 9 Film: 1281 Photo: 96 Scale: 1:12000	oval track is present on the site. **Surrounding area:** Disturbance to the land immediately south (adjacent to Robertsons Road) is visible. No other significant changes are visible.
10/1968 Run: 15 Film: 2137 Photo: 154 Scale: 1:9600	**Site:** The track is more clearly defined and appears to have been surfaced. Plough or furrow lines are present across the site. Four buildings are now visible in the central west. An elliptical track is visible in the south east, extending into the property below the site. **Surrounding area:** A structure is present on the property immediately south (adjacent to Robertsons Road). Five new rectangular buildings and one small building are visible on the property to the south. The dam on this property has reduced in size by approximately 50%. Tilling or ploughing is visible on properties surrounding. No other significant changes are visible.
03/1975 Run: 29 Film: 2937 Photo: 60 Scale: 1:10000	**Site:** Two buildings are visible behind the tree line in the central west. **Surrounding area:** A residential structure with a semi-circular driveway is visible to the northwest of the trotting track, facing Robertsons Road. Three rectangular buildings are visible behind this residence. Residential development has commenced between Sydenham Road and Keilor – Melton Roads (to the west). Occasional properties are visible along Pecks Road (south). No other significant changes are visible.
03/1986 Run: 6 Film: 4019 Photo: 167 Scale: 1:25000	**Site:** No significant changes are visible. **Surrounding area:** Residential development has increased between Sydenham Road and Keilor – Melton Roads, (and in the greater area to the south east) with residential road layouts now visible. No other significant changes are visible.
10/1990 Run: 1 Film: 4347 Photo: 22 Scale: 1:10000	**Site:** An outer sand track is clearly visible surrounding the surfaced track. Some disturbance on the inner boundary of the track is present. The buildings in the central west are no longer present. **Surrounding area:** Four small square buildings are present behind the residence northwest of the trotting track (replacing one of the rectangular buildings). Residential development has continued between Sydenham Road and Keilor – Melton Roads, with residential roads now surfaced. Further development has occurred along Sydenham Road to the south. Roads have been laid and surfaced in the east. No other significant changes are visible.

4.2 Review of Historical Certificates of Title

Compass Environmental conducted a historical title search on 11 May 2010. The site is listed under two street addresses and is comprised of two land parcels:

18 - 24 Robertsons Road - Reserve 1 on Plan of Subdivision 316588A (SPI RES1\PS316588)
16 - 28 McCubbin Drive - Reserve 1 on Plan of Subdivision 342427D (SPI RES1\PS342427)

Copies of historical titles are provided in Appendix D.
A summary of information provided by the Certificate of Title is presented in table 4 below.

Table 4 Summary of Historical Title Review for the Site

Standard Parcel Identifier (SPI)	Certificate of Title	Parent Title	Date	Details
18 - 24 Robertsons Road - Reserve 1 on Plan of Subdivision 316588A				
RES1\PS316588	Vol 10133 Fol 468	Vol 08870 Fol 291	07 June 1993	Sole Proprietor: The Minister of the Crown for the time being administering the Education Act 1958
	Vol 08870 Fol 291	Vol 06612 Fol 395	29 March 1971	Proprietor: Lewis Leslie Welsh of Sydenham, Farmer and Grazier.
	Vol 06612 Fol 395	Vol 03586 Fol 106	12 March 1943	Joint Proprietors: Arthur Gunter, Harold Elliott Gunter and William Arthur Gunter all of Elizabeth Street Melbourne, Jewellers.
		Vol 03686 Fol 050		Not Reviewed
	Vol 03586 Fol 106	Cancelled Title (Review of Imaged Cancelled Title)	13 March 1912	Proprietor: John Bakewell McArthur of Elizabeth Street Melbourne, Licensed Victualler.
16 - 28 McCubbin Drive - Reserve 1 on Plan of Subdivision 342427D				
RES1\PS342427	Vol 10271 Fol 163	Vol 10178 Fol 827	30 August 1995	Sole Proprietor: The Minister of the Crown for the time being administering the Education Act 1958
	Vol 10178 Fol 827	Vol 10073 Fol 246 & Vol 10073 Fol 247	15 July 1994	Sole Proprietor: Pathstone Pty Ltd, Altona North
	Vol 10073 Fol 246	Vol 09951 Fol 146		Sole Proprietor: Pathstone Pty Ltd,

	Vol 10073 Fol 246	Vol 09951 Fol 146		Sole Proprietor: Pathstone Pty Ltd, Altona North
	Vol 10073 Fol 247		2 July 1992	Sole Proprietor: Pathstone Pty Ltd, Altona North
	Vol 09951 Fol 146	Vol 09500 Fol 655		Sole Proprietor:

4.3 Enquiry to local historical society

Compass Environmental requested general information in regards to the site and the development of the Taylors Lakes area from the Keilor Historical Society. A summation of the information obtained is below. Information provided by the historical society is included in Appendix E.

- The suburb of Taylors Lakes and the Taylors Creek were named after Scottish immigrant William Taylor, who settled in Keilor in the late 1840s. William Taylor created the system of lakes along Taylors Creek.
- The Closer Settlement Board of Victoria acquired the majority of William Taylor's land in 1907 for subdivision.
- The trotting track identified on the site was used for private training by the local trotting identity Neville Welsh.
- The area remained rural until 1970, at which time residential development commenced south of the Keilor – Melton Road. Retail development commenced in the 1990s.
- The site was identified as the "proposed site for Brimank Secondary College" in the early 1990s, but has remained open land.
- The area surrounding the site was at the planning stage circa 1990 with development occurring post 1995.

4.4 Site Inspection

Compass Environmental conducted an inspection of the site on 24 May 2010. The site was vacant grassed land. Residential properties were located to the north, south and east. The Overnewton Anglican Community College (years Prep to 9) was located on the west side of Robertsons Road. No overhead services were present at the site.

4.5 EPA Priority Sites Register

A search of the EPA Priority Sites Register conducted on 11 May 2010 indicated that the site was not listed on, and is not in the vicinity of a site listed on the Register. The extract from the register is provided in Appendix F.

4.6 Cathodic Protection Systems Database Search

A search of Cathodic Protection database on 19 May 2010 failed to identify any cathodic protection systems at the site (refer to Appendix G).

4.7 Drainage Plans & Trade Waste Records

An enquiry regarding possible site drainage plans and trade waste records was made to Casey Properties Services (re: City West Water) on 10 May 2010. Compass Environmental was advised that no reticulated or sewer services were on record for this site.

4.8 Summary of Site History

A summary of the history of the site is presented in table 5 below.

Table 5 Summary of Site History

Year	Site	Surrounds	Main sources of Information
1840's - 1903	❒ Land was possibly used for grazing or agricultural use. ❒ Land was owned by William Taylor.	❒ Surrounding land was used for grazing or agricultural use. ❒ Land was owned by William Taylor.	Historical Society
1907 – 1950's	❒ Land was acquired by the Closer Settlement Board of Victoria for subdivision into small family farms ❒ Land was possibly used for grazing or agricultural use.	❒ Land was acquired by the Closer Settlement Board of Victoria for subdivision into small family farms ❒ Surrounding land was used for grazing or agricultural use.	Historical Society Historical Titles Aerial Photographs
1950's-1970's	❒ Land was used for private harness racing training ❒ A harness racing training track is present.	❒ Surrounding land was used for grazing or agricultural use.	Historical Society Historical Titles Aerial Photographs
1970's-1990's	❒ Land was used for private harness racing training	❒ Residential development commenced toward the west and south.	Historical Society Historical Titles Aerial Photographs
1990's- Present	❒ Land was acquired by The Minister of the Crown for the time being administering the Education Act ❒ Land remains vacant.	❒ Commercial development commenced toward the south. Residential development continued to increase in the surrounding area.	Historical Society Title Certificates Aerial Photographs

5 Potential for Site Contamination

5.1 On-Site

Based on the site history review, the identified main potential sources of contamination at the site are summarised in table 6 below.

Table 6 Summary of Potential On-site Sources of Contamination

Main Potential Sources	Main Potential Contaminants	Media
Possible presence of imported fill.	Metals, polyaromatic hydrocarbons, petroleum hydrocarbons, organochlorine pesticides, cyanide.	Shallow soils
Building rubble from demolition of former building onsite.	Asbestos, metals, polyaromatic hydrocarbons.	Shallow soils
Possible use of pesticides, herbicides and fertilizers.	Metals, organochlorine pesticides, organophosphate pesticides, herbicides.	Shallow soils
Possible use of fuels and oils associated with possible agricultural activities.	Petroleum hydrocarbons, phenols.	Soils

5.2 Off-site

The main potential off-site source of contamination was considered to be the use of surrounding land for agricultural farming. The potential for detrimental impact from this potential off site source of contamination was considered to be low.

6 Site Assessment Guidelines

6.1 Soil Assessment Criteria

The State Environment Protection Policy (Prevention and Management of Contamination of Land) (Land SEPP) provides a framework for the protection of land and associated beneficial uses in Victoria. The Land SEPP refers to the National Environment Protection Measure (NEPM) human health investigation levels (HILs) and ecological investigation levels (EILs) as the key objectives for the protection of human health and ecosystems. Chemical concentrations above the investigation levels would not automatically trigger remedial action, but indicate that further investigation and evaluation of potential risks will be required.

The protected beneficial uses of land associated with the proposed possible uses of the site (including possible residential (both low and high density) and public open space) are:

- Maintenance of modified and highly modified ecosystems.
- Human health.
- Buildings and structures.
- Aesthetics.
- Production of food, flora and fibre.

The criteria relevant to this site assessment are summarised below:

- NEPM Ecological Investigation levels (EIL) – Interim Urban have been used to assess potential environmental effect to flora and fauna in an urban context.
- NEPM Health Investigation Level A (HIL A) applicable to 'standard' residential use with gardens and accessible soils (including day-care centres, kindergartens, pre-schools and primary schools).
- NEPM Health Investigation Level D (HIL D) applicable to residential use with minimal opportunities for soil access.
- NEPM Health Investigation Level E (HIL E) applicable to parks, recreational open space and playing fields.
- Sulphate and pH to assess potential impact on buildings and structures. The Land SEPP states that the contamination must not cause the land to be corrosive to or adversely affect the integrity of structures or building materials. To assess potential impact on this beneficial use, the reported pH and sulphate concentrations were compared against criteria provided in AS2159-1995 (Piling-Design and Installation).
- There are no quantitative criteria for the assessment of aesthetic impacts, however the Land SEPP states that contamination must not cause the land to be offensive to the senses of human beings.

As the NEPM guidelines do not provide criteria for TPH in a readily usable format, the threshold concentrations for sensitive land use provided in the NSW EPA Guidelines of Assessing Service Station Sites have been adopted (NSW EPA, 1994).

The relevant assessment criteria are provided in table 1 in Appendix H.

6.2 Waste Disposal Criteria for Soils

The Victorian EPA is responsible for ensuring the proper storage, transport, treatment and disposal of waste in Victoria. The management requirements for different wastes taken off-site for re-use, treatment or disposal, and guidance on classifying contaminated soils according to their hazard level (A, B, or C) are provided in Industrial Waste Resource Guidelines (IWRG621-2009) – Soil Hazard Categorisation and Management (2009) (former EPA Publication 448.3 Classification of Wastes, 2007).

7 Soil Investigation

The soil sampling program methodology followed the general requirements of the NEPC (1999) and Australian Standard AS4482.1-2005.

7.1 Fieldwork

7.1.1 Soil Sample Locations

The soil sampling program involved collection of soil samples from 11 soil bore locations (B1 to B11, installed by GeoAust as part of their geotechnical assessment), and 4 surface samples (SS1 to SS4) as detailed in table 7 below.

Table 7 Sample Locations

Sample No.	Location
B1 to B9, B11	Grid layout locations; as selected by GeoAust
B10	South of tree line; former location of farm buildings
SS1 to SS4	South of tree line; former location of farm buildings

The sampling locations are shown in figure 1.

7.1.2 Soil Sample Methodology

Soil sampling was conducted on 24 May 2010. All soil bore locations were drilled by GeoAust using solid flight augers. Surface samples SS1 to SS4 (south of the tree line) were collected by stainless steel trowel. Samples were generally collected at 0.2 m, 0.5 and 1.0 m depth and at 1.0 m intervals to the base of the bores, and to suit the soil horizons encountered. All samples were subject to testing in the field for volatile organics using a photoionisation detector (PID). The PID was calibrated before the commencement of sampling.

Soil samples were placed in sample jars with Teflon seals provided by the laboratory and appropriately prepared. All samples were identified with a unique sample number, which was documented on the sample label, bore log and chain of custody form. A soil sampling record was filled in for each sampling location including a description of materials encountered, olfactory and visual evidence of contamination, PID readings, moisture conditions, sample intervals and numbers (refer to Appendix I).

All samples were placed in an ice-cooled esky immediately after collection. The samples were refrigerated and then transported on ice under chain of custody procedure to the analytical laboratory on the next working day. All field sampling equipment was decontaminate prior to use at each location

to prevent cross contamination. Decontamination of field equipment involved scrubbing in a Decon solution and potable water, and rinse in clean potable water.

7.2 Laboratory Analytical Program

7.2.1 Laboratories

The primary laboratory for the soil analysis program was Ecowise Environmental. The analysis of field split samples was undertaken by MGT Environmental Consulting and the asbestos analysis was undertaken by Australia Safer Environments and Technologies (ASET). All laboratories are accredited by the National Association of Testing Authorities (NATA) for the analyses undertaken. The exception was the analyses for total fluoride and hexavalent chromium by Ecowise, which were pending NATA accreditation. Qualitative asbestos analysis was conducted by Australia Safer Environments and Technologies.

7.2.2 Soil Analysis

A total of 18 primary soil samples and 3 surface samples were selected for analysis. The analytical schedule included a range of potential contaminants associated with the former uses of the site.

The implemented analytical schedule for primary samples included:

- One soil samples for EPA Publication (IWRG) Table 2 screen (comprising total recoverable hydrocarbons (TRH), monoaromatic hydrocarbons (MAH), polyaromatic hydrocarbons (PAH), organochlorine pesticides (OCP), polychlorinated biphenyls (PCB), fluoride, cyanide, volatile chlorinated hydrocarbons (HVOLs), chlorinated hydrocarbons (CHC), phenols (halogenated and non-halogenated, metals (arsenic, cadmium, chromium VI, cobalt, copper, mercury, molybdenum, lead, nickel, tin, selenium, silver and zinc)).
- 14 samples for metals (Sb, As, B, Be, Cd, Cr, Co, Cu, Pb, Mn, Mo, Ni, Se, Ag, Sn, V and Zn).
- 3 samples for PAH, TPH and OCP.
- 3 samples for pH.
- 2 samples for sulphate.
- 3 samples for asbestos quantitative analysis.

7.3 Field Quality Control Samples

The following quality control samples were analysed during the soil investigation program:

- One split sample was submitted for analysis to the secondary laboratory.
- Three duplicate samples were submitted for analysis to the primary laboratory.

No equipment rinsate samples were collected as all samples were collected with a new clean pair of disposable nitrile gloves. The quality control samples collected are listed in table 8 below.

Table 8 Soil Quality Control Samples

Quality Control sample ID	Type	Primary Sample ID	Laboratory	Analytes
B105/0.5	Duplicate	B5/0.5	Ecowise	pH
B109/0.2	Duplicate	B9/0.2	Ecowise	OCPs
B110/0.2	Duplicate	B10/0.2	Ecowise	Metals, TPH and PAH
B210/0.2	Split	B10/0.2	MGT	Metals

QA/QC results are discussed in section 7.3.

8 Results of Soil Investigation

8.1 Field Observations

No fill material was encountered during soil sampling, with the exception of locations B4 and B5 in the vicinity of the former harness-training track. The fill at these locations extended to approximately 0.1 m depth below ground level and generally comprised brown clayey silt (disturbed natural), with minor crushed rock and occasional plastic fragments.

The natural soils generally comprised brown clayey silt, with minor organic matter to depths ranging between 0.1 m and 0.3 m below ground level. The natural soils generally comprised brown silty clays, progressing to brown grey with white calcium carbonates and occasional basalt dusts. Basalt was encountered at variable depths across the site, ranging between 0.6 m and 4.3 m depth below ground level.

Soil vapour survey readings were all <5 ppm, indicating low potential for the presence of volatile contaminants. No fuel or chemical odours were encountered.

No asbestos fragments were noted at any sample location.

8.2 Soil Analytical Results

Soil analytical results are presented in table 1 in Appendix H. NATA endorsed laboratory reports and chain of custody forms are provided in Appendix J. A summary of the identified exceedences of the adopted soil assessment criteria is presented in table 9 below.

Table 9 Summary of Exceedences of Adopted Criteria

Analyte	Exceedences of adopted criteria (mg/kg)					
	NEPM EIL	NEPM HIL A	NEPM HIL D	NEPM HIL E	EPA FILL	EPA Cat C
Barium	300 mg/kg	NC	NC	NC	NC	NC
	B2/0.4 (480) B4/0.5 (320) B6/1.0 (770) B13/1.0 (650) B15/0-0.1 (440)	-	-	-	-	-
Manganese	500 mg/kg	1,500 mg/kg	6,000 mg/kg	3,000 mg/kg	NC	NC
	B2/0.4 (590) B11/0.2 (600)	-	-	-	-	-
Vanadium	50 mg/kg	NC	NC	NC	NC	NC
	B8/0.2 (52) B11/0.2 (55) SS1 (50)	-	-	-	-	-

Note: " NC " indicates no criteria
Concentrations in mg/kg

No asbestos fibres were detected in the 3 samples analysed.

Soil pH levels were in the range of 7.5 to 8.4 standard pH units, with sulphate in the range of 620 to 660 mg/kg.

8.3 Analytical Data Validation

A relative percentage difference (RPD) was calculated for each duplicate and split pair to obtain a quantitative measure of the accuracy of the results obtained. An RPD range of 30% to 50% is generally considered acceptable based on AS4482.1 (2005). The RPD data are provided in table 2 in Appendix H.

RPD results for the duplicate and split samples showed good correlation with 63 of 64 RPD values below 50%, showing an overall completeness of 98.44%. One elevated RPD for lead was associated with low analyte concentrations below the adopted criteria for a primary-split pair. The results showed good correlation for the duplicate and the split samples.

A review of the internal laboratory quality control program implemented by Ecowise and MGT showed acceptable results.

It was concluded that the sampling and analytical program was acceptable and the analytical data were of reliable quality for the purpose of this assessment.

8.4 Discussion of Results

The analytical data showed the following conditions at the site.

Metals

Fill material was observed at two of the eleven bore sites (bores B4 and B5). These bores corresponded with the position of the former harness racing training track. Fill depths ranged between 0.1 m and 0.3 m depth. No exceedences of adopted soil criteria were identified.

The underlying and natural soils showed all concentrations to be below the adopted ecological levels (NEPM EIL) and human health based levels (NEPM HIL A, HIL D and HIL E), with the exception of marginal exceedences of barium, manganese and vanadium at several locations. The barium, manganese and vanadium concentrations were considered to be associated with the natural composition of the soils (of basaltic origin). The natural soils were likely to classify as EPA Fill Material for off-site disposal purposes.

Further soil sampling will be required to adequately characterise soils for off-site disposal purposes.

Other Inorganics

Total cyanide and sulphate concentrations were below levels of concern. The reported pH and sulphate levels indicated non-aggressive soil conditions based on comparison with criteria for concrete piles in AS2159-1995.

Organics

The concentrations of PAH, TPH, HVOLs, chlorinated hydrocarbons, MAHs, and OCPs were either below the laboratory reporting limits or levels of concern.

The reported organic concentrations across the site were generally in the range for EPA Fill Material. Further soil sampling will be required to adequately characterise soils for off-site disposal purposes.

Asbestos

Sample analysis did not identify any asbestos fibres. No fragments of asbestos were identified during soil sampling.

9 Conclusions

Compass Environmental has completed a Preliminary Site Contamination Assessment for due diligence purposes at the DEECD site located on the corner of McCubbin Drive and Robertsons Road, Taylors Lakes VIC. The investigation comprised bore logging and soil sampling at 15 locations. Compass Environmental makes the following conclusions:

- The site was historically used for grazing and as a private harness racing training track. The site was purchased by the Crown in the early 1990s and has remained as vacant land since that time.

- No fill material was encountered during soil sampling, with the exception of locations B4 and B5 in the vicinity of the former harness-training track. The fill at these locations extended to approximately 0.1 m depth below ground level and generally comprised brown clayey silt (disturbed natural), with minor crushed rock and occasional plastic fragments.

- The natural soils generally comprised brown clayey silt, with minor organic matter to depths ranging between 0.1 m and 0.3 m below ground level. The underlying natural soils generally comprised brown silty clays, progressing to brown grey with white calcium carbonates and occasional basalt dusts. Basalt was encountered at variable depths across the site, ranging between 0.6 m and 4.3 m depth below ground level.

- Soil vapour survey readings were all <5 ppm, indicating low potential for the presence of volatile contaminants. No fuel or chemical odours were encountered.

- No asbestos fragments were noted at any sample location. Sample analysis did not identify any asbestos fibres within the soil.

- The soils showed all concentrations to be below the adopted ecological levels (NEPM EIL) and human health based levels (NEPM HIL A, HIL D and HIL E), with the exception of marginal exceedences of barium, manganese and vanadium at several locations (in natural soils). Soil pH was within the acceptable criteria range. The barium, manganese and vanadium concentrations were considered to be associated with the natural composition of the soils (of basaltic origin).

- Soils at the site are likely to classify as EPA Fill Material for offsite disposal purposes. Further soil sampling will be required to adequately characterise soils prior to offsite disposal.

10 References

DOH WA 2009. Guidelines for the Assesssment, Remediation and Management of Asbestos-Contaminated Sites in Western Australia (Western Australian Department of Health 2009).

EPA 2009a. EPA Publication Soil Hazard Categorisation and Management (IWRG621-2009).

EPA 2009b. EPA Publication Soil Sampling (IWRG702-2009).

National Environment Protection Council (NEPC) 1999. National Environment Protection (Assessment of Site Contamination) Measure (NEPM).

NSW Environment Protection Authority (NSW EPA) 1994. Guidelines for Assessing Service Station Sites. ISBN 07310 3712 X, EPA 94/119.

Standards Australia 1995. Piling – Design and Installation AS 2159-1995.

Standards Australia 2005. Guide to the Sampling and Investigation of Potentially Contaminated Soil, Part 1: Non-Volatile and Semi-Volatile Compounds AS 4482.2.

State Environment Protection Policy (SEPP) 2002. State Environment Protection Policy (Prevention and Management of Contamination of Land). Victorian Government Gazette No. S 95 4 June 2002.

11 Limitations

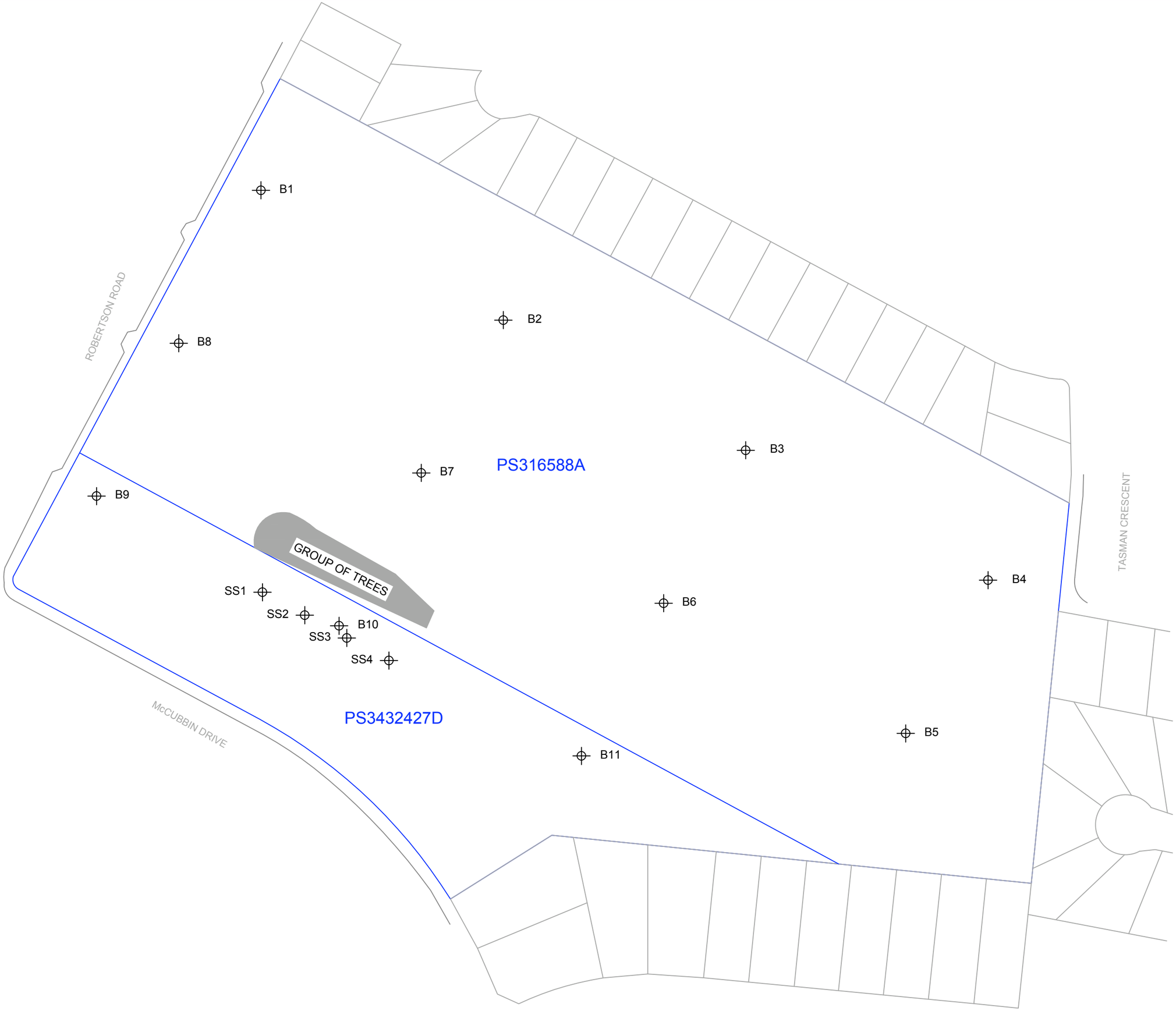
Compass Environmental has conducted this assessment in accordance with the scope of work and for the purpose outlined in the proposal dated 5 May 2010 and in this report. The services performed by Compass Environmental have been conducted in a manner consistent with the level of quality and skill generally exercised by the consulting profession.

This report is based on the conditions encountered and data reviewed between 6 May 2010 and 10 June 2010. Compass Environmental assumes no responsibility for any changes that may have occurred after this time. The methodologies and sources of information used by Compass Environmental are outlined in the report. Compass Environmental has made no independent verification of this information beyond the agreed scope of work and assumes no responsibility for any inaccuracies or omissions.

This report has been prepared for the use of VicUrban and may not contain sufficient information for purposes of other parties or users. Any reliance on this report by a third party shall be at its sole risk.

This report should be read in full and may be not used to support any other objectives than those set out in the report.

FIGURES



NORTH:

SAMPLE POINT LOCATIONS:

SITE BOUNDARY:

SCALE: 30.0 m

BASE PLAN:	BOSCO JONSON PTY LTD
CLIENT:	VICURBAN
LOCATION:	**CORNER ROBERTSON ROAD & McCUBBIN DRIVE, TAYLORS LAKES**
DETAIL:	**SAMPLE POINT LOCATIONS**
DRAWN BY:	AS
REVIEWED BY:	DS
DRAWING DATE:	26 MAY 2010
FILE REFERENCE:	1042 FIG1.DWG
FIGURE NUMBER:	**1**

compassenvironmental

COMPASS ENVIRONMENTAL PTY LTD
SUITE 6, 5 ROSE STREET HAWTHORN EAST VICTORIA 3123
PH: 9819 4704 FAX: 9819 4724 EMAIL: enquiry@compassenviro.com.au

APPENDIX A

Current Certificate of Titles

VOLUME 10133 FOLIO 468

Security no : 124033661109R
Produced 11/05/2010 10:17 am

LAND DESCRIPTION

Reserve 1 on Plan of Subdivision 316588A.
PARENT TITLE Volume 08870 Folio 291
Created by instrument S522807A 07/06/1993

REGISTERED PROPRIETOR

Estate Fee Simple
Sole Proprietor
THE MINISTER OF THE CROWN FOR THE TIME BEING ADMINISTERING THE EDUCATI ON ACT 1958
S522807A 07/06/1993

ENCUMBRANCES, CAVEATS AND NOTICES

Any encumbrances created by Section 98 Transfer of Land Act 1958 or Section 24 Subdivision Act 1988 and any other encumbrances shown or entered on the plan set out under DIAGRAM LOCATION below.

DIAGRAM LOCATION

SEE PS316588A FOR FURTHER DETAILS AND BOUNDARIES

ACTIVITY IN THE LAST 125 DAYS

NIL

----------END OF REGISTER SEARCH STATEMENT----------

Additional information: (not part of the Register Search Statement)

Street Address: 18-24 ROBERTSONS ROAD TAYLORS LAKES VIC 3038

DOCUMENT END

Imaged Document Cover Sheet

The document following this cover sheet is an imaged document supplied by LANDATA®, Land Victoria.

Document Type	**plan**
Document Identification	**PS316588A**
Number of Pages (excluding this cover sheet)	**4**
Document Assembled	**11/05/2010 10:19**

PLAN OF SUBDIVISION

Under Section 35 of the Subdivision Act 1988

Stage No. /

LTO use only

EDITION 3

Plan Number

PS 316588A

Location of Land

Parish: Maribyrnong

Township: ------

Section: 27

Crown Allotment: A(Part)

Crown Portion: ------

LTO base record: Litho 2 (3061)

Title References

c\t Vol.8870 Fol.291

Last Plan Reference: LP. 89650 Lot 1

Postal Address: (At time of subdivision) Robertsons Road, Taylors Lakes

AMG Co-ordinates (Of approx. centre of plan) E 303 500 N 5825 800 Zone 55

Council Certification and Endorsement

Council Name: City of Keilor Ref: S.3052

A. This is a plan under Section 35 of the Subdivision Act 1988 which does not create any additional lots.

B. This plan is exempt from Part 3 of the Subdivision Act 1988.

~~C. This is a plan under Section 35 of the Subdivision Act 1988 which creates (an) additional lot(s).~~

D. It is certified under Section 6 of the Subdivision Act 1988.

~~E. It is certified under Section 11(7) of the Subdivision Act 1988.~~

~~F. Date of original certification under Section 6. / /~~

G. This is a statement of compliance issued under section 21 of the Subdivision Act 1988.

Council delegate

~~Council seal~~

Date 1 / 6 / 92

Re-certified under section 11(7) of the Subdivision Act 1988.

Council delegate

Council seal

Date / /

Vesting of Roads or Reserves

Roads and Reserves vest in the council/body/person named when the appropriate vesting date is recorded or transfer registered. Only roads and reserves marked thus (%) vest upon registration of this plan.

Identifier	Council/Body/Person
RESERVE No. 1	MINISTER OF SCHOOL EDUCATION

Notations

Depth Limitations Does not apply

Staging This is not a staged subdivision
Planning permit No.

Land to be acquired by compulsory process: Nil

Land to be acquired by agreement: Reserve No. 1

The land being subdivided is enclosed within thick continuous lines.
ALL THE LAND IS TO BE AQUIRED FREE FROM ALL ENCUMBRANCES OTHER THAN ANY EASEMENTS SPECIFIED ON THIS PLAN.

Survey This plan is based on survey
(To be completed where applicable)

This survey has been connected to permanent marks no(s).
in Proclaimed Survey Area no.

Easement Information

Legend: A - Appurtenant Easement E - Encumbering Easement R - Encumbering Easement (Road)

Easements marked (+) are created upon registration of this plan.
Easements marked (*) are created when the appropriate vesting date is recorded or transfer registered.
Easements marked (#) are removed when the appropriate vesting date is recorded or transfer registered.

Symbol	Easement Reference	Purpose	Width (Metres)	Origin	Land Benefited/in Favour Of
	A-1	Drainage	2·01	LP. 89650	Lots in LP. 89650
*	E-1	Drainage	2	This plan	City of Keilor
		Sewerage	2	This plan	Melbourne Water
+	E-2	DRAINAGE	2	THIS PLAN	CITY OF KEILOR
		SEWERAGE	2	THIS PLAN	MELBOURNE WATER

Vesting Dates & Transfer Registration Dates of Acquired Land

Land affected	Land acquired by agreement: Date of registration of transfer	LTO reference of transfers or notifications of vesting dates	Assistant Registrar of Titles Signature
Reserve No. 1	7 / 6 / 93	S522807A	

LTO use only

Statement of compliance/ Exemption Statement

Received ☑

Date: 7 / 7 / 92

LTO use only

PLAN REGISTERED

TIME

DATE: 8 / 2 / 93

Assistant Registrar of Titles.

Sheet 1 of 2 Sheets

DATE / /

COUNCIL DELEGATE SIGNATURE

Original sheet size A3

LITTLE AND BROSNAN PTY. LTD.
A.C.N. 005 434 855
SURVEYORS, ENGINEERS AND DEVELOPMENT CONSULTANTS
189 JOHNSTON STREET, FITZROY, 3065.
TELEPHONE: 417-7311 FAX. 417-1813

LICENSED SURVEYOR (PRINT) PETER F. SULLIVAN

SIGNATURE DATE 14 / 4 / 1992

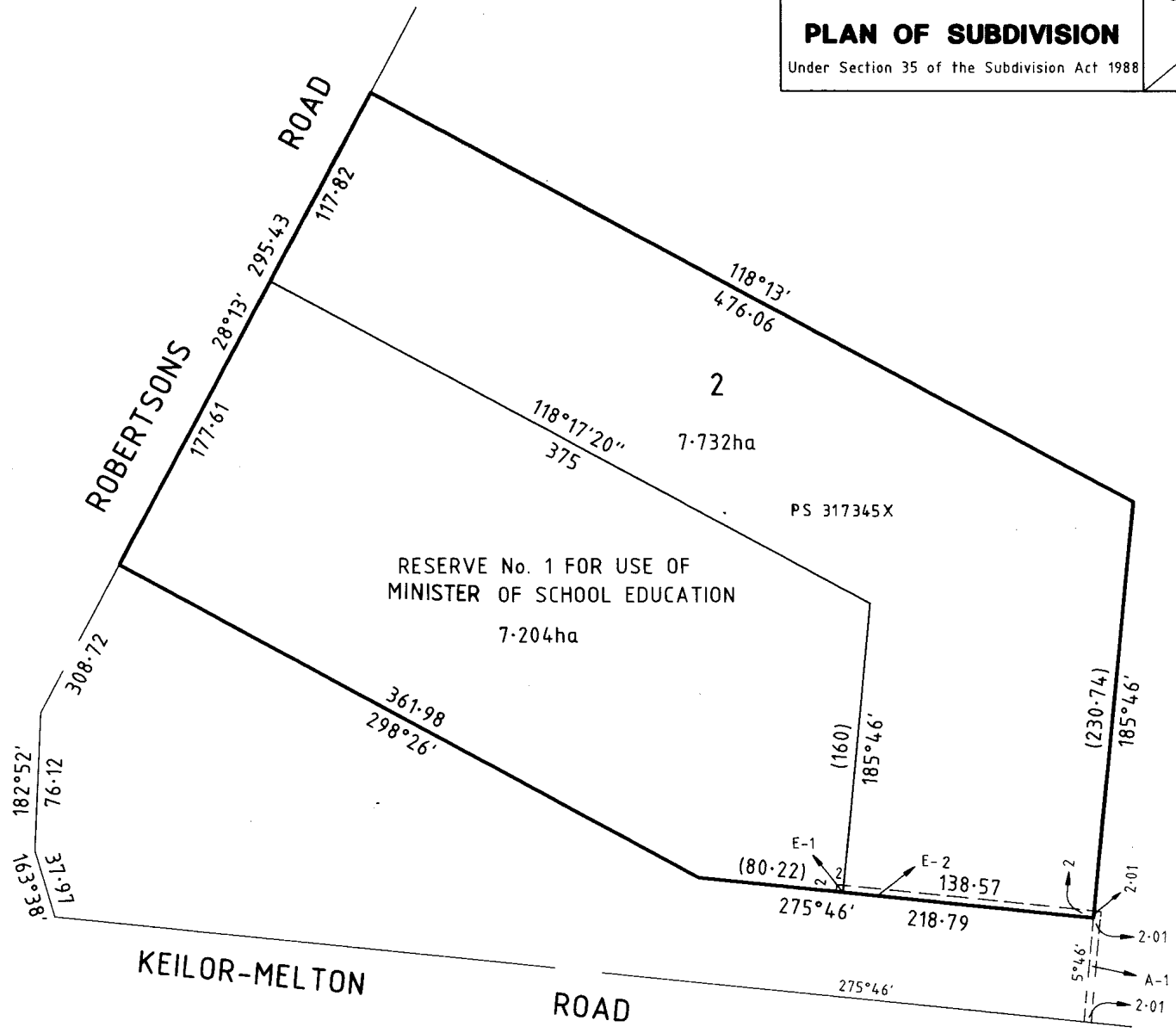
REF. 11434-3 VERSION 1

PLAN OF SUBDIVISION

Under Section 35 of the Subdivision Act 1988

Stage No. /

Plan Number **PS 316588A**



Sheet 2 of 2 Sheets

LITTLE AND BROSNAN PTY. LTD.
A.C.N. 005 434 855
SURVEYORS, ENGINEERS
AND DEVELOPMENT CONSULTANTS
189 JOHNSTON STREET, FITZROY, 3065.
TELEPHONE: 417-7311 FAX. 417-1813

SCALE
25 0 25 50 75 100 125
LENGTHS ARE IN METRES

ORIGINAL
SCALE 1:2500 | SHEET SIZE A3

LICENSED SURVEYOR (PRINT) Peter F. Sullivan

SIGNATURE _____ DATE 14 / 4 / 1992

REF. 11434-3 VERSION 1

DATE / /

COUNCIL DELEGATE SIGNATURE

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150mm

MODIFICATION TABLE

RECORD OF ALL ADDITIONS OR CHANGES TO THE PLAN

PLAN NUMBER

PS 316588 A

LAND	MODIFICATION	DEALING REFERENCE	DATE AND TIME ENTERED		NEW EDITION NUMBER	SIGNATURE OF ASSISTANT REGISTRAR OF TITLES
			DATE	TIME		
LOT 2	SUBDIVISION	PS 317345 X			2	
RESERVE No.1	VESTING	S522807A			2	GJN

MODIFICATION TABLE

RECORD OF ALL ADDITIONS OR CHANGES TO THE PLAN

PLAN NUMBER

PS 316588 A

LAND	MODIFICATION	DEALING REFERENCE	DATE AND TIME ENTERED		NEW EDITION NUMBER	SIGNATURE OF ASSISTANT REGISTRAR OF TITLES
			DATE	TIME		
LOT 2	SUBDIVISION	PS 317345 X			2	
RESERVE No.1	VESTING	S522807A			3	GJN

VOLUME 10271 FOLIO 163

Security no : 124033661927B
Produced 11/05/2010 10:45 am

LAND DESCRIPTION

Reserve 1 on Plan of Subdivision 342427D.
PARENT TITLE Volume 10178 Folio 827
Created by instrument T845227D 30/08/1995

REGISTERED PROPRIETOR

Estate Fee Simple
Sole Proprietor
THE MINISTER FOR THE CROWN ADMINISTERING THE EDUCATION ACT 1958
T845227D 30/08/1995

ENCUMBRANCES, CAVEATS AND NOTICES

Any encumbrances created by Section 98 Transfer of Land Act 1958 or Section 24 Subdivision Act 1988 and any other encumbrances shown or entered on the plan set out under DIAGRAM LOCATION below.

DIAGRAM LOCATION

SEE PS342427D FOR FURTHER DETAILS AND BOUNDARIES

ACTIVITY IN THE LAST 125 DAYS

NIL

----------END OF REGISTER SEARCH STATEMENT----------

Additional information: (not part of the Register Search Statement)

Street Address: 16-28 MCCUBBIN DRIVE TAYLORS LAKES VIC 3038

DOCUMENT END

Imaged Document Cover Sheet

The document following this cover sheet is an imaged document supplied by LANDATA®, Land Victoria.

Document Type	**plan**
Document Identification	**PS342427D**
Number of Pages (excluding this cover sheet)	**3**
Document Assembled	**11/05/2010 10:47**

PLAN OF SUBDIVISION

Under Section 35 of the Subdivision Act 1988

Stage No.	LTO use only	Plan Number
	EDITION 1	PS 342427D

Location of Land

Parish: Maribyrnong

Township:

Section: 27

Crown Allotment: A (Part)

Crown Portion:

LTO base record: ~~Parish 2~~ CHART 50 (3163)

Title References

c\t Vol.10178 Fol.827

Last Plan Reference: PS 327317W (Lot H)

Postal Address: (At time of subdivision) Robertsons Road, Taylors Lakes, 3038

AMG Co-ordinates (Of approx. centre of plan) E 303 600 N 5 825 760 Zone: 55

Vesting of Roads or Reserves

Roads and reserves vest in the council/body/person named when the appropriate date is recorded

Only roads and reserves marked thus (%) vest upon registration of this plan.

Identifier	Council/Body/Person
RESERVE N°1	MINISTER OF SCHOOL EDUCATION
%RESERVE N°2	SOLARIS POWER LTD. ACN 064 651 083

Council Certification and Endorsement

Council Name: Brimbank City Council Ref: S-4043

1. This Plan is certified under Section 6 of the Subdivision Act 1988.
2. ~~This plan is certified under section 11(7) of the Subdivision Act 1988 Date of original certification under section 6 ...../...../.....~~
3. ~~This is a statement of compliance issued under section 21 of the Subdivision Act 1988.~~

OPEN SPACE

(i) A requirement for public open space under Section 18 Subdivision Act 1988 has / ~~has not~~ been made.

(ii) ~~The requirement has been satisfied.~~

(iii) The requirement is to be satisfied in Stage

Council delegate

~~Council seal~~

Date 30/3/95

Re-certified under section 11(7) of the Subdivision Act 1988.

Council delegate

Council seal

Date / /

Notations

Depth Limitations: DOES NOT APPLY

Staging: This is not a staged subdivision
Planning permit No. .....

Land to be aquired by agreement: Reserve RES 1

Land to be aquired by compulsory process NIL

All the land is to be aquired free from all encumbrances other than any easement specified on this plan

Survey: This plan is based on survey
(To be completed where applicable)

This survey has been connected to permanent marks no(s).
in Proclaimed Survey Area no.

Easement Information

Legend: A - Appurtenant Easement E - Encumbering Easement R - Encumbering Easement (Road)

Easements marked(+) are created upon registration of this plan
Easements marked(*) are created when the appropriated vesting date is recorded or transfer registered
Easements marked(#) are removed when the the appropriate vesting date is recorded or transfer regisered

Symbol	Easement Reference	Purpose	Width (Metres)	Origin	Land Benefited/in Favour Of
+	E-1	Drainage	2	This Plan	Land in this plan
*	E-2	Sewerage	2	This Plan	Land in this plan
*	E-2	Sewerage	2	This Plan	City West Water Ltd ACN 066 902 467

LTO use only

Statement of compliance/ Exemption Statement

Received ✓

Date: 21/9/95

LTO use only

PLAN REGISTERED

TIME 8.45 A.M.

DATE: 21/2/96

Assistant Registrar of Titles.

Sheet 1 of 3 Sheets

MAHON & MAHON PTY. LTD.
LAND SURVEYORS & URBAN PLANNERS
1A CROMWELL STREET, CAULFIELD 3162
P.O. BOX 340 CAULFIELD SOUTH 3162
PHONE (03) 523 7111 FAX (03) 528 5366
A.C.N. 060 604 220

LICENSED SURVEYOR (PRINT) TERRY J MAWSON

SIGNATURE ..... DATE 28/ 2 / 95

REF: 76-07-09/959 VERSION: 1

JJ TAYJJ-0 27/02/1995

DATE 30/3/95

COUNCIL DELEGATE SIGNATURE

Original sheet size A3

PLAN OF SUBDIVISION

Under section 35 of the Subdivision Act 1988

Stage No. /

Plan Number PS 342427D

VESTING DATES & TRANSFER REGISTRATION DATES OF ACQUIRED LAND

Land Affected	Land acquired by compulsory process prior to certification			Land acquired by compulsory process after registration of plan				Land acquired by agreement	LTO reference of tranfers or notifications of vesting dates	Assistant Registrar of Titles Signature
	Vesting date	Gov't Gaz. Page	Gov't Gaz. Year	Date of recording of vesting date	Vesting date	Gov't Gaz. Page	Gov't Gaz. Year	Date of registration of transfer		
RESERVE N°1				/ /				30-8-95	T-845227D	

MAHON & MAHON PTY. LTD.
A.C.N. 060 604 220

LAND SURVEYORS & URBAN PLANNERS
1A CROMWELL STREET, CAULFIELD 3162
P.O. BOX 340 CAULFIELD SOUTH 3162
PHONE (03) 523 7111 FAX (03) 528 5368

LICENSED SURVEYOR (PRINT) TERRY J MAWSON

SIGNATURE ..... DATE 28/2/95

Ref: 76-07-09/959 VERSION: 1

TM TAYJJ-1 27/02/1995

Sheet 2 of 3 Sheets

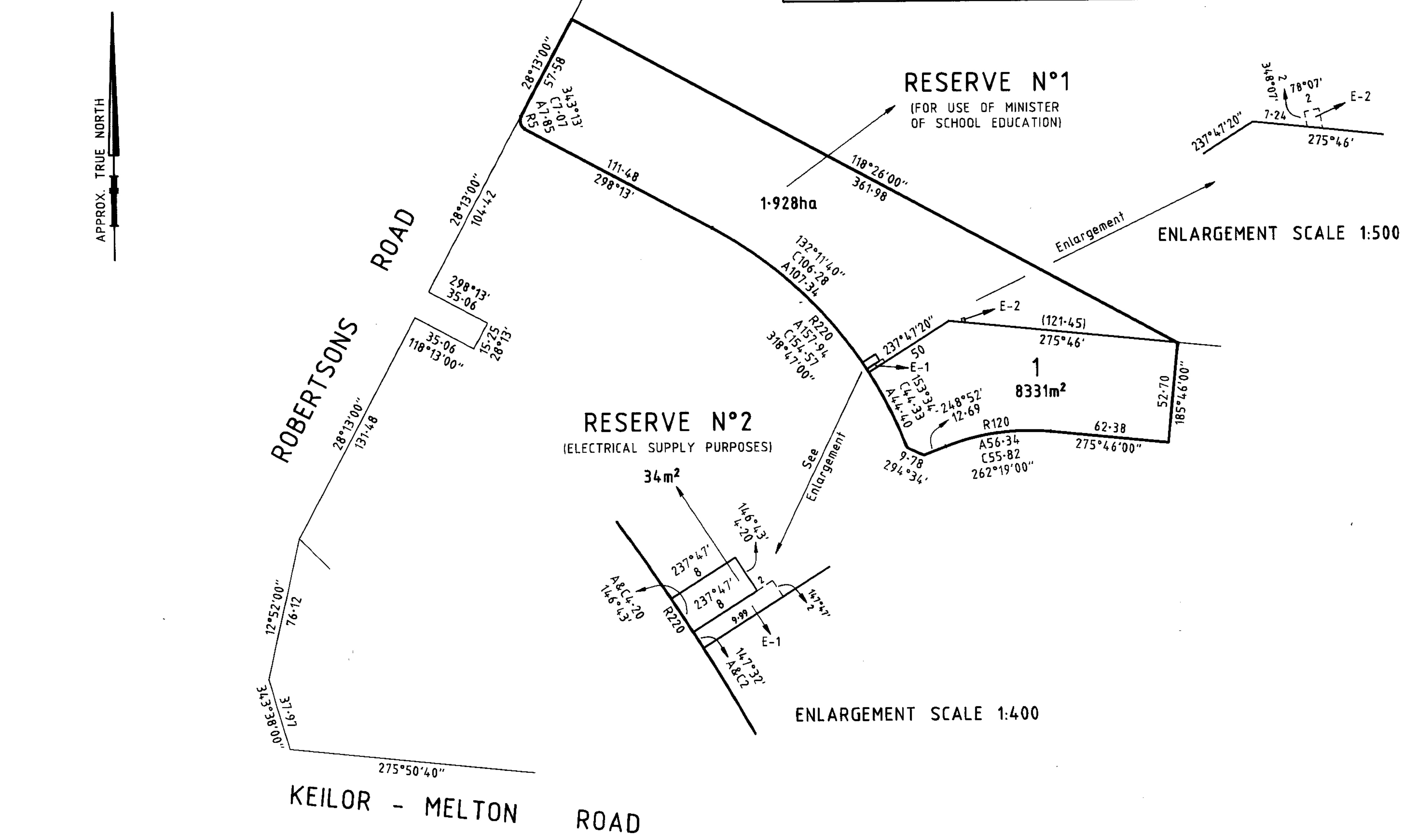
DATE 30/3/95
COUNCIL DELEGATE SIGNATURE

Original sheet size A4

PLAN OF SUBDIVISION
Under Section 35 of the Subdivision Act1988

Stage No /

Plan Number **PS 342427D**



MAHON & MAHON PTY LTD A.C.N. 380 604 320 CONSULTING LAND & ENGINEERING SURVEYORS, URBAN PLANNERS 1A CROMWELL STREET, CAULFIELD P.O. BOX 340 CAULFIELD VIC 3162 PHONE (03) 523 7111 FAX (03) 528 5366	SCALE 20 0 20 40 60 80 100 LENGTHS ARE IN METRES	ORIGINAL SCALE 1:2000 SHEET SIZE A3	LICENSED SURVEYOR (PRINT) TERRY J MAWSON SIGNATURE .... DATE 28/ 2 / 95 REF 76-07-09/959 VERSION 1 TM TAYJJ-2 17/02/1995

Sheet 3 of 3 Sheets

DATE 30 / 3 / 95

COUNCIL DELEGATE SIGNATURE

APPENDIX B
Landata Property Reports

Property Report from **www.land.vic.gov.au** on 10 May 2010 08:44 AM

Address: 16-28 MCCUBBIN DRIVE TAYLORS LAKES 3038
Lot and Plan Number: Lot RES1 PS342427
Standard Parcel Identifier (SPI): RES1\PS342427
Local Government (Council): BRIMBANK **Council Property Number:** 864884
Directory Reference: Melway 3 E11

State Electorates

Legislative Council: WESTERN METROPOLITAN (2005)
Legislative Assembly: KEILOR (2001)

Utilities

Rural Water Business: Southern Rural Water
Metro Water Business: City West Water
Melbourne Water: inside drainage boundary
Power Distributor: JEMENA (Information about choosing an electricity retailer)

Planning Zone Summary

Planning Zones: PUBLIC USE ZONE - EDUCATION (PUZ2)
SCHEDULE TO THE PUBLIC USE ZONE - EDUCATION
RESIDENTIAL 1 ZONE (R1Z)
SCHEDULE TO THE RESIDENTIAL 1 ZONE

Planning Overlay: None

Planning scheme data last updated on 6 May 2010.

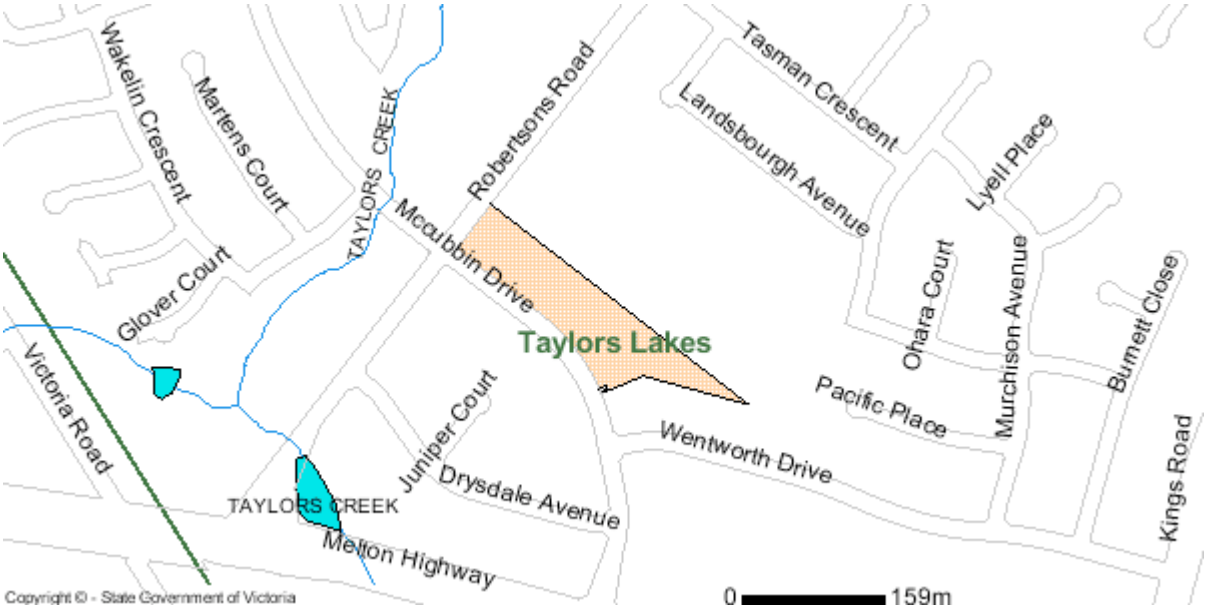
A **planning scheme** sets out policies and requirements for the use, development and protection of land. This report provides information about the zone and overlay provisions that apply to the selected land. Information about the State, local, particular and general provisions of the local planning scheme that may affect the use of this land can be obtained by contacting the local council or by visiting Planning Schemes Online

This report is NOT a **Planning Certificate** issued pursuant to Section 199 of the Planning & Environment Act 1987. To obtain a Planning Certificate go to Titles and Property Certificates

To view planning zones, overlay and heritage information in an interactive format visit Planning Maps Online

For other information about planning in Victoria visit www.dpcd.vic.gov.au/planning

Area Map



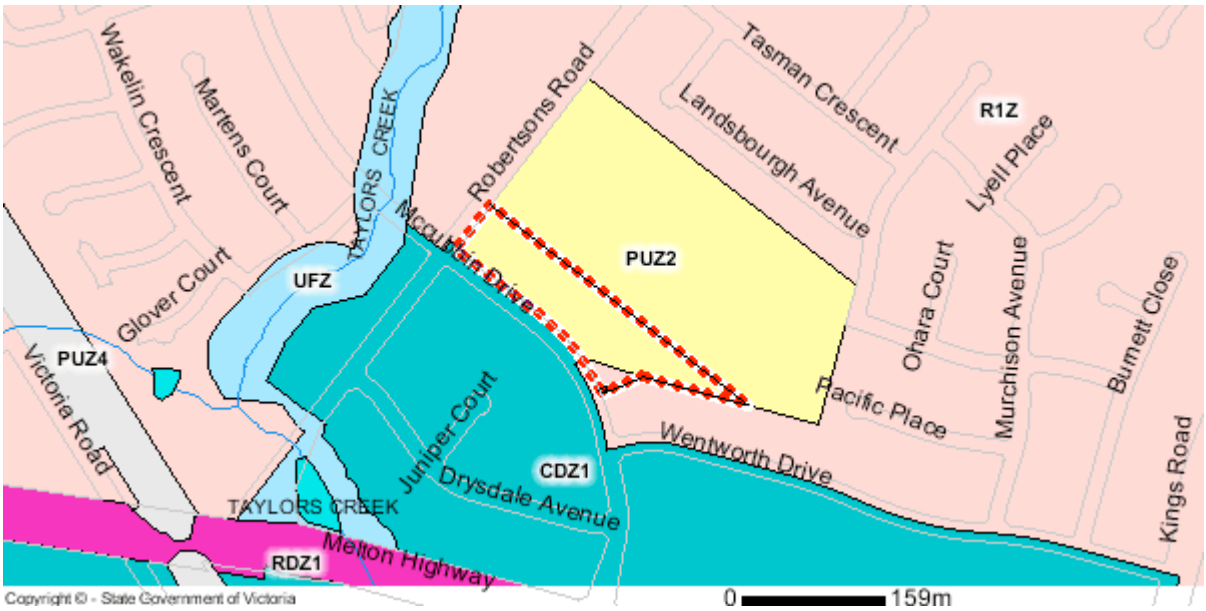
Planning Property Report

From www.dpcd.vic.gov.au/planning on 10 May 2010 08:47 AM

Address: 16-28 MCCUBBIN DRIVE TAYLORS LAKES 3038
Lot and Plan Number: Lot RES1 PS342427
Local Government (Council): BRIMBANK **Council Property Number:** 864884
Directory Reference: Melway 3 E11

Planning Zones

PUBLIC USE ZONE - EDUCATION (PUZ2)
SCHEDULE TO THE PUBLIC USE ZONE - EDUCATION
RESIDENTIAL 1 ZONE (R1Z)
SCHEDULE TO THE RESIDENTIAL 1 ZONE



Zones Legend

- B1Z - Business 1
- B2Z - Business 2
- B3Z - Business 3
- B4Z - Business 4
- B5Z - Business 5
- CA - Commonwealth Land
- CCZ - Capital City
- CDZ - Comprehensive Development
- DZ1 - Dockland
- ERZ - Environmental Rural
- FZ - Farming
- GWAZ - Green Wedge A
- GWZ - Green Wedge
- IN1Z - Industrial 1
- IN2Z - Industrial 2
- IN3Z - Industrial 3
- LDRZ - Low Density Residential
- MUZ - Mixed Use
- PCRZ - Public Conservation & Resource
- PDZ - Priority Development
- PPRZ - Public Park & Recreation
- PUZ1 - Public Use - Service & Utility
- PUZ2 - Public Use - Education
- PUZ3 - Public Use - Health Community
- PUZ4 - Public Use - Transport
- PUZ5 - Public Use - Cemetery / Crematorium
- PUZ6 - Public Use - Local Government
- PUZ7 - Public Use - Other Public Use
- R1Z - Residential 1
- R2Z - Residential 2
- R3Z - Residential 3
- RAZ - Rural Activity
- RCZ - Rural Conservation
- RDZ1 - Road - Category 1
- RDZ2 - Road - Category 2
- RLZ - Rural Living
- RUZ - Rural
- SUZ - Special Use
- TZ - Township
- UFZ - Urban Floodway
- UGZ - Urban Growth
- Urban Growth Boundary

Planning Overlay

None affecting this land

Overlays Legend

- Airport Environs
- City Link Project
- Design & Development
- Design & Development (Part)
- Development Contributions Plan
- Development Plan
- Environmental Audit
- Environmental Significance
- Erosion Management
- Floodway
- Heritage
- Incorporated Plan
- Land Subject to Inundation
- Land Subject to Inundation & Floodway
- Melbourne Airport Environs 1
- Melbourne Airport Environs 2
- Neighbourhood Character
- Public Acquisition
- Restructure
- Road Closure
- Salinity Management
- Significant Landscape
- Special Building
- State Resource
- Vegetation Protection
- Wildfire Management

Note: due to overlaps some colours on the maps may not match those in the legend.

Further Planning Information

Planning scheme data last updated on 6 May 2010.

A **planning scheme** sets out policies and requirements for the use, development and protection of land. This report provides information about the zone and overlay provisions that apply to the selected land. Information about the State, local, particular and general provisions of the local planning scheme that may affect the use of this land can be obtained by contacting the local council or by visiting Planning Schemes Online

This report is NOT a **Planning Certificate** issued pursuant to Section 199 of the Planning & Environment Act 1987. To obtain a Planning Certificate go to Titles and Property Certificates

To view planning zones, overlay and heritage information in an interactive format visit Planning Maps Online

For other information about planning in Victoria visit www.dpcd.vic.gov.au/planning

Property Report from **www.land.vic.gov.au** on 10 May 2010 08:49 AM

Address: 18-24 ROBERTSONS ROAD TAYLORS LAKES 3038
Lot and Plan Number: Lot RES1 PS316588
Standard Parcel Identifier (SPI): RES1\PS316588
Local Government (Council): BRIMBANK **Council Property Number:** 431379
Directory Reference: Melway 3 E10

State Electorates

Legislative Council: WESTERN METROPOLITAN (2005)
Legislative Assembly: KEILOR (2001)

Utilities

Rural Water Business: Southern Rural Water
Metro Water Business: City West Water
Melbourne Water: inside drainage boundary
Power Distributor: JEMENA (Information about choosing an electricity retailer)

Planning Zone Summary

Planning Zone: PUBLIC USE ZONE - EDUCATION (PUZ2)
SCHEDULE TO THE PUBLIC USE ZONE - EDUCATION
Planning Overlay: None

Planning scheme data last updated on 6 May 2010.

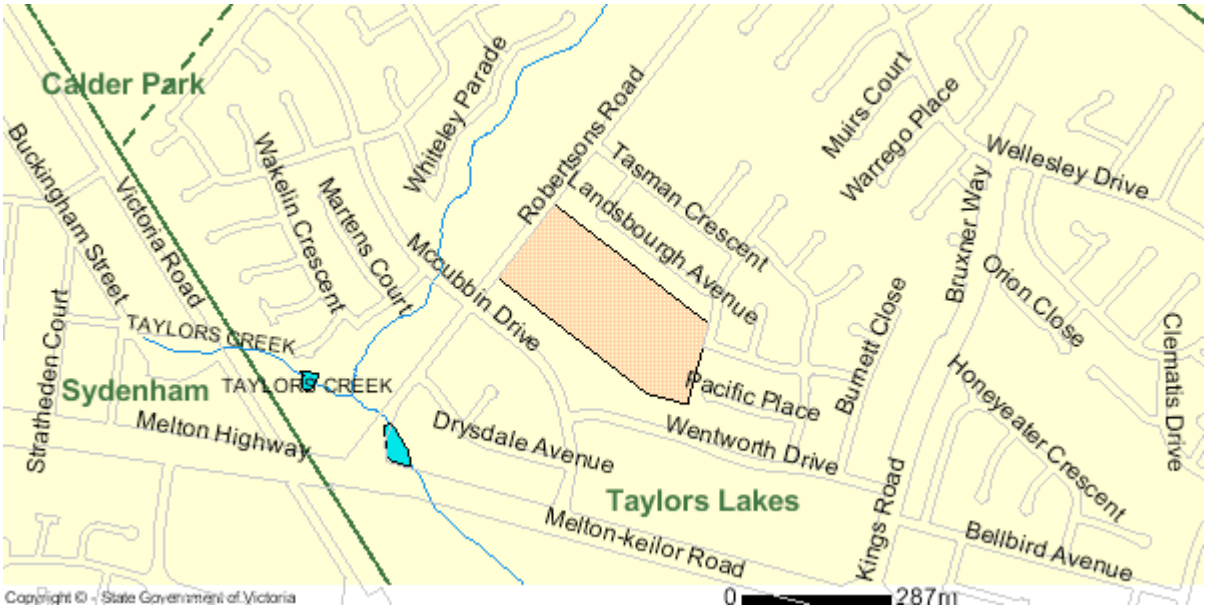
A **planning scheme** sets out policies and requirements for the use, development and protection of land. This report provides information about the zone and overlay provisions that apply to the selected land. Information about the State, local, particular and general provisions of the local planning scheme that may affect the use of this land can be obtained by contacting the local council or by visiting Planning Schemes Online

This report is NOT a **Planning Certificate** issued pursuant to Section 199 of the Planning & Environment Act 1987. To obtain a Planning Certificate go to Titles and Property Certificates

To view planning zones, overlay and heritage information in an interactive format visit Planning Maps Online

For other information about planning in Victoria visit www.dpcd.vic.gov.au/planning

Area Map



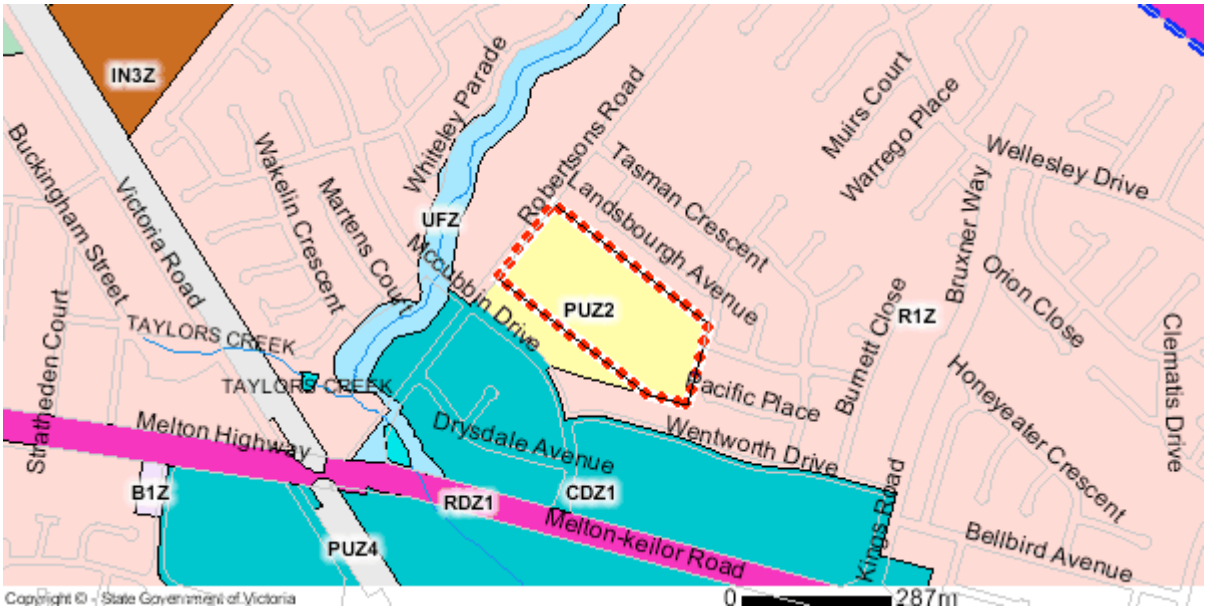
Planning Property Report

From www.dpcd.vic.gov.au/planning on 10 May 2010 08:50 AM

Address: 18-24 ROBERTSONS ROAD TAYLORS LAKES 3038
Lot and Plan Number: Lot RES1 PS316588
Local Government (Council): BRIMBANK **Council Property Number:** 431379
Directory Reference: Melway 3 E10

Planning Zone

PUBLIC USE ZONE - EDUCATION (PUZ2)
SCHEDULE TO THE PUBLIC USE ZONE - EDUCATION

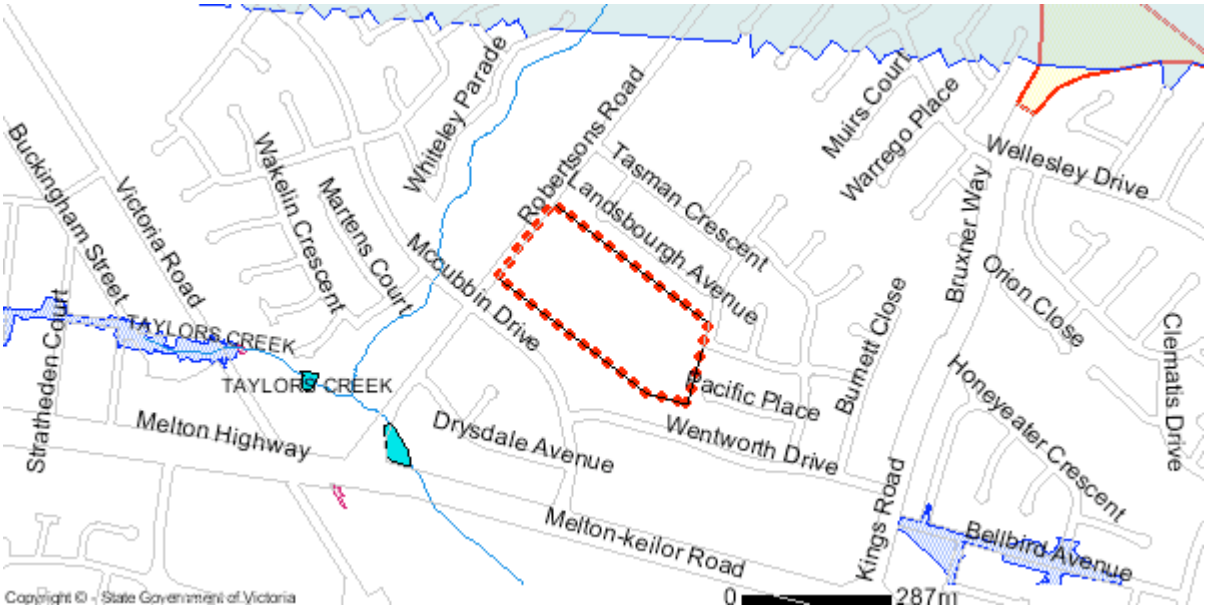


Zones Legend

- B1Z - Business 1
- B2Z - Business 2
- B3Z - Business 3
- B4Z - Business 4
- B5Z - Business 5
- CA - Commonwealth Land
- CCZ - Capital City
- CDZ - Comprehensive Development
- DZ1 - Dockland
- ERZ - Environmental Rural
- FZ - Farming
- GWAZ - Green Wedge A
- GWZ - Green Wedge
- IN1Z - Industrial 1
- IN2Z - Industrial 2
- IN3Z - Industrial 3
- LDRZ - Low Density Residential
- MUZ - Mixed Use
- PCRZ - Public Conservation & Resource
- PDZ - Priority Development
- PPRZ - Public Park & Recreation
- PUZ1 - Public Use - Service & Utility
- PUZ2 - Public Use - Education
- PUZ3 - Public Use - Health Community
- PUZ4 - Public Use - Transport
- PUZ5 - Public Use - Cemetery / Crematorium
- PUZ6 - Public Use - Local Government
- PUZ7 - Public Use - Other Public Use
- R1Z - Residential 1
- R2Z - Residential 2
- R3Z - Residential 3
- RAZ - Rural Activity
- RCZ - Rural Conservation
- RDZ1 - Road - Category 1
- RDZ2 - Road - Category 2
- RLZ - Rural Living
- RUZ - Rural
- SUZ - Special Use
- TZ - Township
- UFZ - Urban Floodway
- UGZ - Urban Growth
- Urban Growth Boundary

Planning Overlay

None affecting this land



Overlays Legend

- Airport Environs
- City Link Project
- Design & Development
- Design & Development (Part)
- Development Contributions Plan
- Development Plan
- Environmental Audit
- Environmental Significance
- Erosion Management
- Floodway
- Heritage
- Incorporated Plan
- Land Subject to Inundation
- Land Subject to Inundation & Floodway
- Melbourne Airport Environs 1
- Melbourne Airport Environs 2
- Neighbourhood Character
- Public Acquisition
- Restructure
- Road Closure
- Salinity Management
- Significant Landscape
- Special Building
- State Resource
- Vegetation Protection
- Wildfire Management

Note: due to overlaps some colours on the maps may not match those in the legend.

Further Planning Information

Planning scheme data last updated on 6 May 2010.

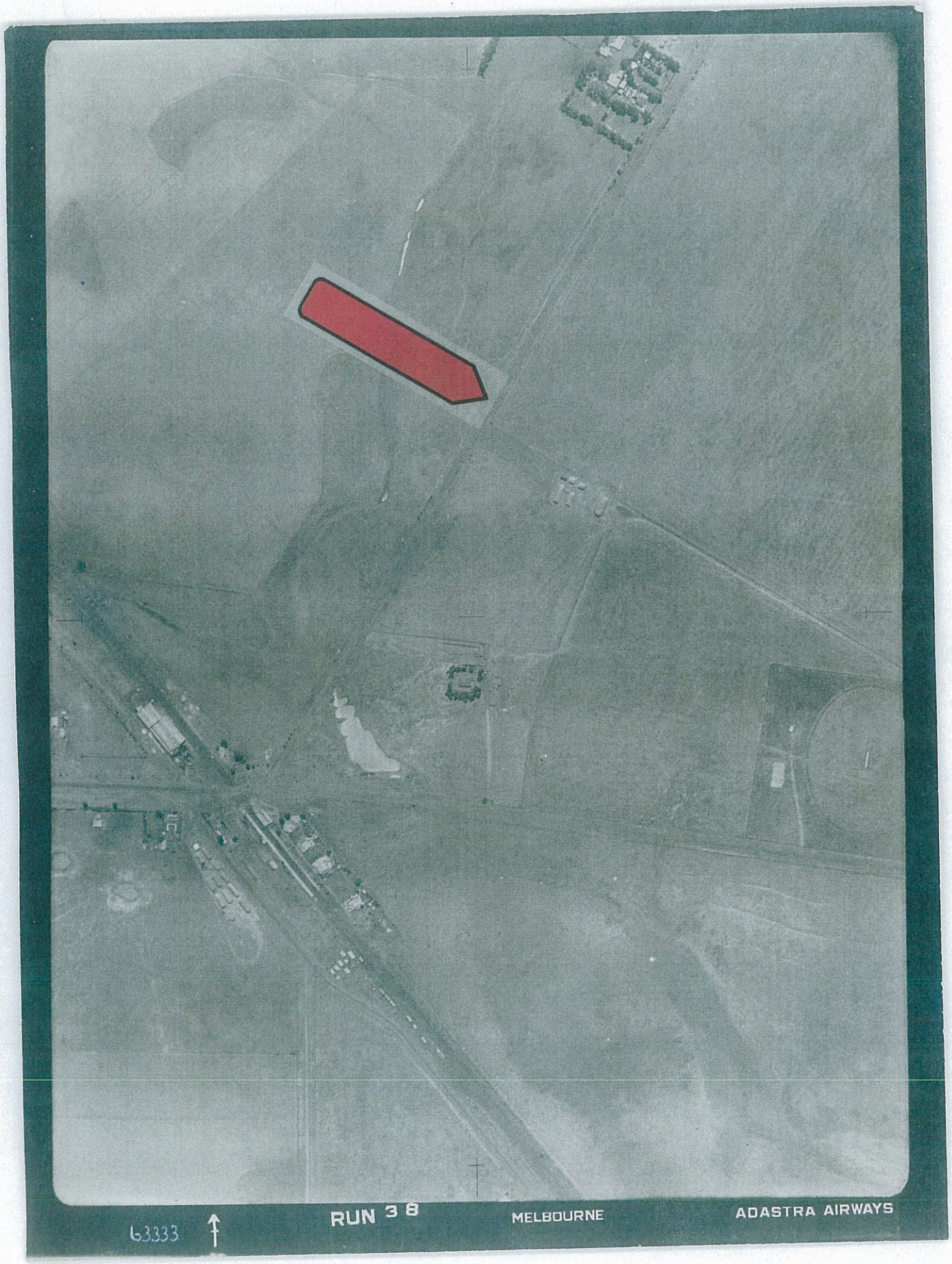
A **planning scheme** sets out policies and requirements for the use, development and protection of land. This report provides information about the zone and overlay provisions that apply to the selected land. Information about the State, local, particular and general provisions of the local planning scheme that may affect the use of this land can be obtained by contacting the local council or by visiting Planning Schemes Online

This report is NOT a **Planning Certificate** issued pursuant to Section 199 of the Planning & Environment Act 1987. To obtain a Planning Certificate go to Titles and Property Certificates

To view planning zones, overlay and heritage information in an interactive format visit Planning Maps Online

For other information about planning in Victoria visit www.dpcd.vic.gov.au/planning

APPENDIX C
Historical Aerial Photographs



Aerial Photograph: December 1945

compassenvironmental

Aerial Photograph: January 1951

Aerial Photograph: February 1960

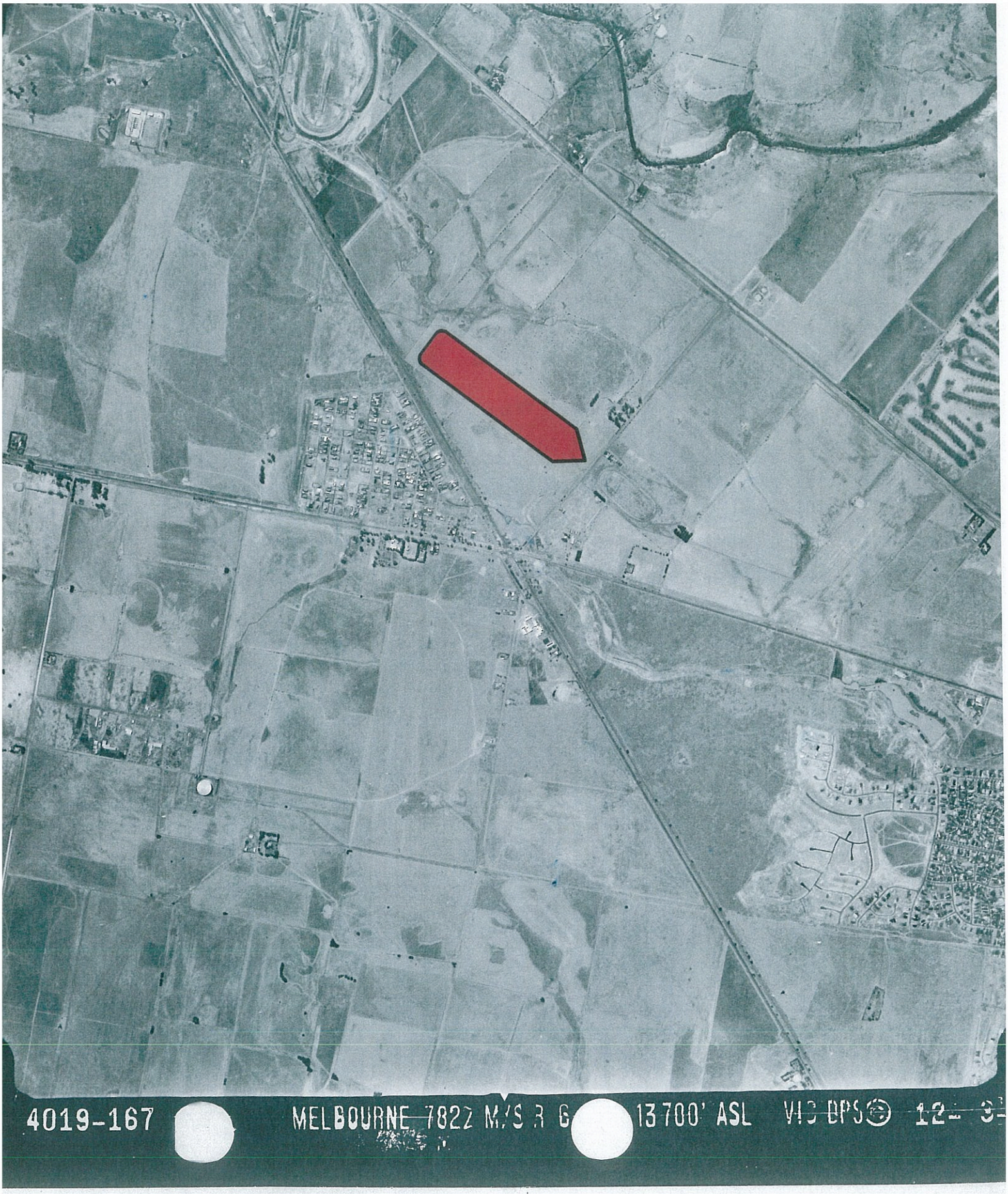
compassenvironmental

Aerial Photograph: October 1968

compassenvironmental

Aerial Photograph: March 1975

compassenvironmental



Aerial Photograph: March 1986

compassenvironmental

Aerial Photograph: October 1990

APPENDIX D
Historical Titles

Produced 11/05/2010 10:27 AM

Volume 08870 Folio 291
Folio Creation: Details Unknown
Parent title Volume 06612 Folio 395

STATEMENT END

ORIGINAL

NOT TO BE TAKEN FROM THE OFFICE OF TITLES

CANCELLED

REGISTER BOOK

VOL. 8870 FOL. 291

VICTORIA

Certificate of Title

UNDER THE "TRANSFER OF LAND ACT"

VOL. 8870 FOL. 291

LEWIS LESLIE WELSH of Sydenham Farmer and Grazier is the proprietor of an estate in fee simple subject to the encumbrances notified hereunder - in ALL THAT piece of land coloured on the map on the sheet annexed hereto - being Lot 1 on Plan of Subdivision No.89650 Parish of Maribyrnong ------ County of Bourke -

Issued under Regulation 12 on the approval of the above Plan of Subdivision

OFFICE OF TITLES VICTORIA

Assistant Registrar of Titles

ENCUMBRANCES REFERRED TO

As to any land coloured blue

THE EASEMENTS (if any) existing over --- the same by virtue of Section 98 of ---- the Transfer of Land Act ----------

DERIVED FROM VOL.6612 FOL.395 29/3/'71.

PLAN PS 316588A X35 AFFECTS LAND HEREIN

CAVEAT No. J755302 LODGED 24-6-70

CAVEAT LAPSED 5 JAN 1988

OFFICE OF TITLES A.R.B. VICTORIA

OFFICE OF TITLES I.P.G. VICTORIA

SO

LEWIS LESLIE WELSH DIED ON 2/9/84
PROBATE OF HIS WILL HAS BEEN GRANTED
TO OLIVE FREDA MAVIS WELSH OF
SYDENHAM & NEVILLE LESLIE WELSH OF
COIMADAI RD. DIGGERS REST
REGISTERED 26/2/85
L532941H

OFFICE OF TITLES R.W.E. VICTORIA

MORTGAGE

BALLAW NOMINEES PTY. LTD.
REGISTERED 29/10/87
N109810W

DISCHARGED - 1 AUG 1988

OFFICE OF TITLES V.W. VICTORIA

OFFICE OF TITLES P.M.C. VICTORIA

PROPRIETOR
BALLAW NOMINEES PTY. LTD. OF 4/426
BURWOOD HWY. WANTIRNA SOUTH
REGISTERED 12/12/90
R134552K

OFFICE OF TITLES R.D.O. VICTORIA

THE MINISTER FOR SCHOOL EDUCATION HAS
LODGED A STATEMENT PURSUANT TO SECTION 110
OF THE PLANNING AND ENVIRONMENT ACT 1987
AFFECTING THE LAND HEREIN
REGISTERED 24/6/92
R979224A transferred to new C/T

OFFICE OF TITLES P.K.B. VICTORIA

TRANSFER AS TO PART No. S522807A
registered 7-6-93
CANCELLED AS TO PART
See Vol. 10133 Fol. 468
Being RES. ONE ON PS 316588A

AS TO BALANCE
CANCELLED SEE VOL 10133 FOL 469
WHICH IS ISSUED PURSUANT
TO SECTION 32 (2) ACT 6399
REGISTERED 7-6-93
No. S522807A
Being LOT 2 on PS 316588A.

CANCELLED

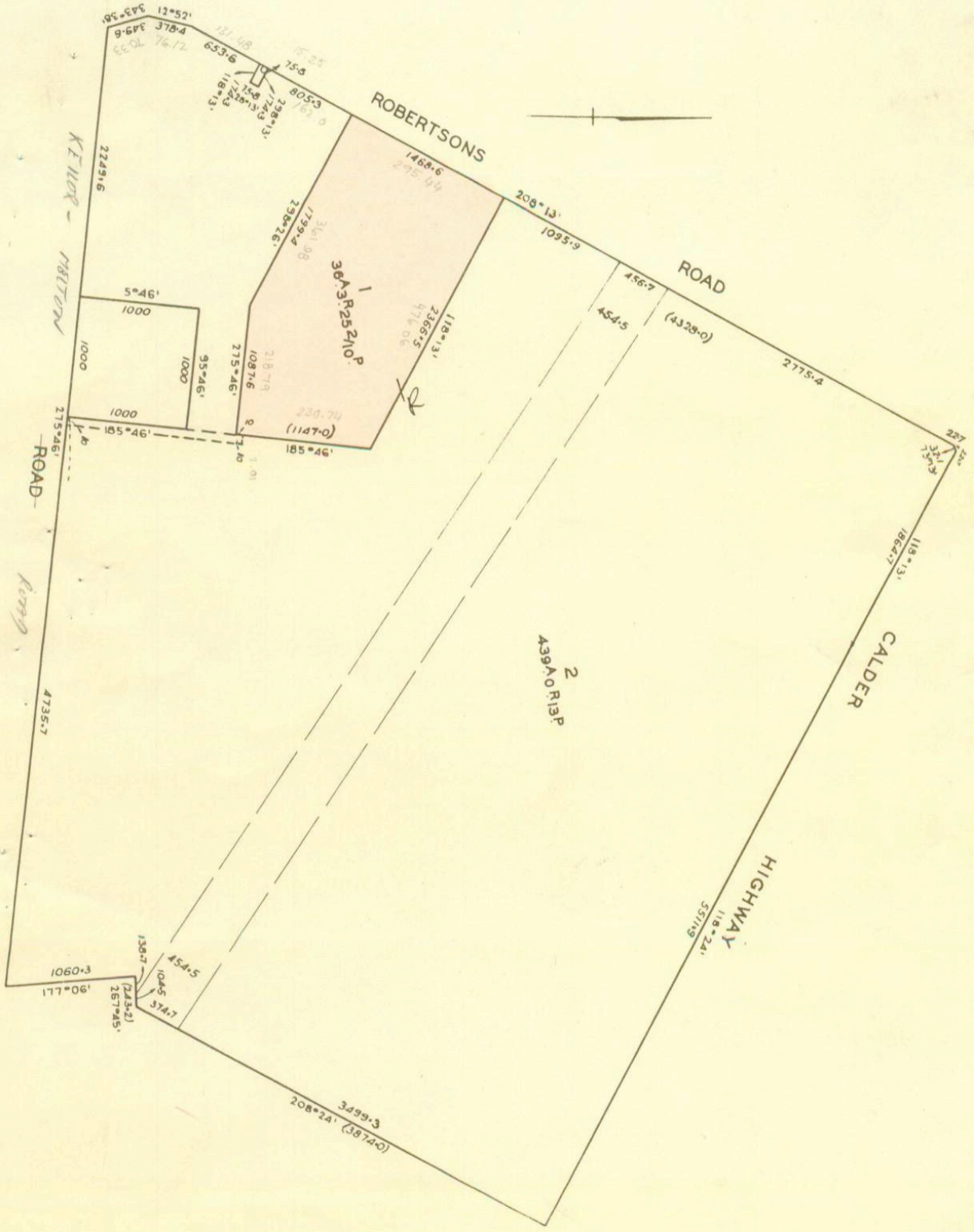
MINISTRY

T08870-291-1-8

V.8870 F.291

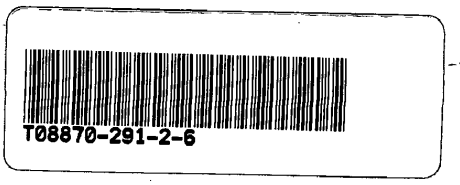
ANNEXED SHEET REFERRED TO IN
CERTIFICATE OF TITLE VOL. 8870 FOL. 291

ASSISTANT REGISTRAR OF TITLES



MEASUREMENTS ARE IN LINKS

INTENTIONALLY BLANK



Produced 11/05/2010 10:38 AM

Volume 06612 Folio 395
Folio Creation: Created as paper folio continued as computer folio
Parent titles :
Volume 03586 Folio 106
Volume 03686 Folio 050

THE IMAGE OF THE FOLIO CEASED TO BE THE DIAGRAM LOCATION ON 21/08/2007 03:48 PM

STATEMENT END

VICTORIA.

Entered in the Register Book

Vol. 6612 Fol. 1322395

Certificate of Title,

UNDER THE "TRANSFER OF LAND ACT 1928."

Arthur Gunter Harold Elliott Gunter and William Arthur Gunter all of 129 ---- Elizabeth Street Melbourne Jewellers are now joint proprietors ---------- ~~now the proprietor~~ *of an Estate in Fee-simple, subject to the Encumbrances notified hereunder in* All *that piece of Land, delineated and coloured* red and blue on the map in the margin containing Four hundred and seventy-six acres Three roods and Thirty-five perches or thereabouts being part of Crown Allotment--- Four Section Twenty-six, part of Crown Allotments A and B Section Twenty-seven,- part of Crown Allotment A Section Twenty-eight, part of Crown Portion Eighteen--- and part of a former Government Road Parish of Maribyrnong County of Bourke - the said land colored red being part of Lots 4 and 5 on Plan of Subdivision No.4455---- lodged in the Office of Titles - As to the land colored red Together with a right of carriage way over the road colored brown on the said map----------

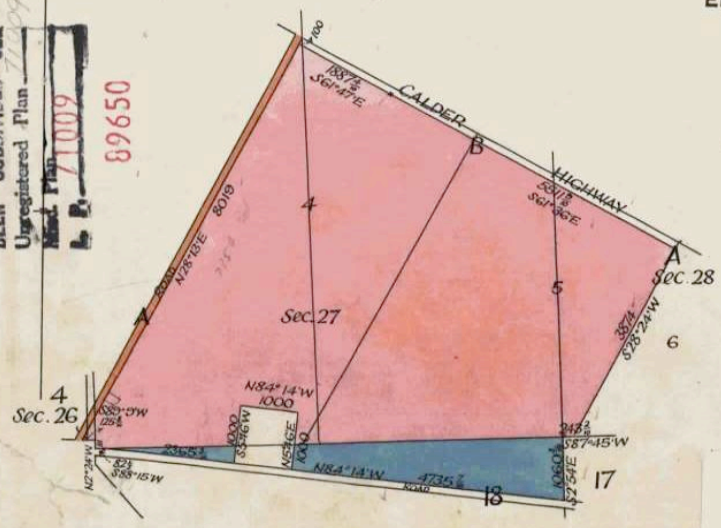
Dated the Twelfth *day of* March *One thousand nine hundred and* forty-three.

Assistant Registrar of Titles.

ENCUMBRANCES REFERRED TO.

ORIGINAL CERTIFICATE. *Not to be dealt with outside the Titles Office.*

THE WHOLE/PART OF THE WITHIN LAND HAS BEEN SUBDIVIDED SEE Unregistered Plan No. Plan 11009 L.P. 89650



The Measurements are in links.

T06612-395-1-7

Vols 3586 3686 Fols 717106 737050 Transfer. /880335 Application

CAVEAT No.126769 LODGED 14th March 1952

CAVEAT LAPSED 20th December 1957

Red ink No. 5446001

William Arthur Gunter of 7 Harrison Crescent Hawthorn Jeweller the survivor of the proprietors named herein is by direction of the Commissioner of Titles, now registered as Sole proprietor of the land now authorised herein.

DATE 30 SEP 1953 — Assistant Registrar of Titles

Lewis Leslie Welsh of Sydenham Farmer and Grazier is now the proprietor of the within described estate by transfer registered on 20 December 1957 and numbered A 456748

Assistant Registrar of Titles.

MORTGAGE to THE COMMERCIAL BANKING COMPANY OF SYDNEY LIMITED Registered 4th August 1961 Numbered B255841

DISCHARGED 31 DEC 1969

TRANSFER AS TO PART No. C400838 registered 12th January 1966 CANCELLED AS TO PART See Vol. 8611 Fol. 440

STATE ELECTRICITY COMMISSION has pursuant to section 57 of Transfer of Land Act served a Notification relating to the compulsory acquisition by agreement over land herein.
Dated 28 APR 1969
Entered 3 MAY 1969
No. D374431 (Plan with letter)

CAVEAT No. D528242 LODGED 9 OCT 1969
Affecting part of the land herein see plan
Caveat transferred to new C/T

TRANSFER AS TO PART No. D517992 registered 30th September 1969 CANCELLED AS TO PART See Vol. 8808 Fol. 972
0A 3R 16 3/40P

CAVEAT No. D755302 LODGED 24 JUN 1970
Affecting part of the land herein lot 2 on p/s 71009
Caveat transferred to new C/T
CAVEAT LAPSED 5 JAN 1968

CANCELLED AS TO PART Pursuant to Regulation 12 and Titles issued as set out hereunder on 29th MARCH 1971.

Lots ONE to 2 in Vol 8870 Fol 291 to Vol 8870 Fol 292

L P 89650

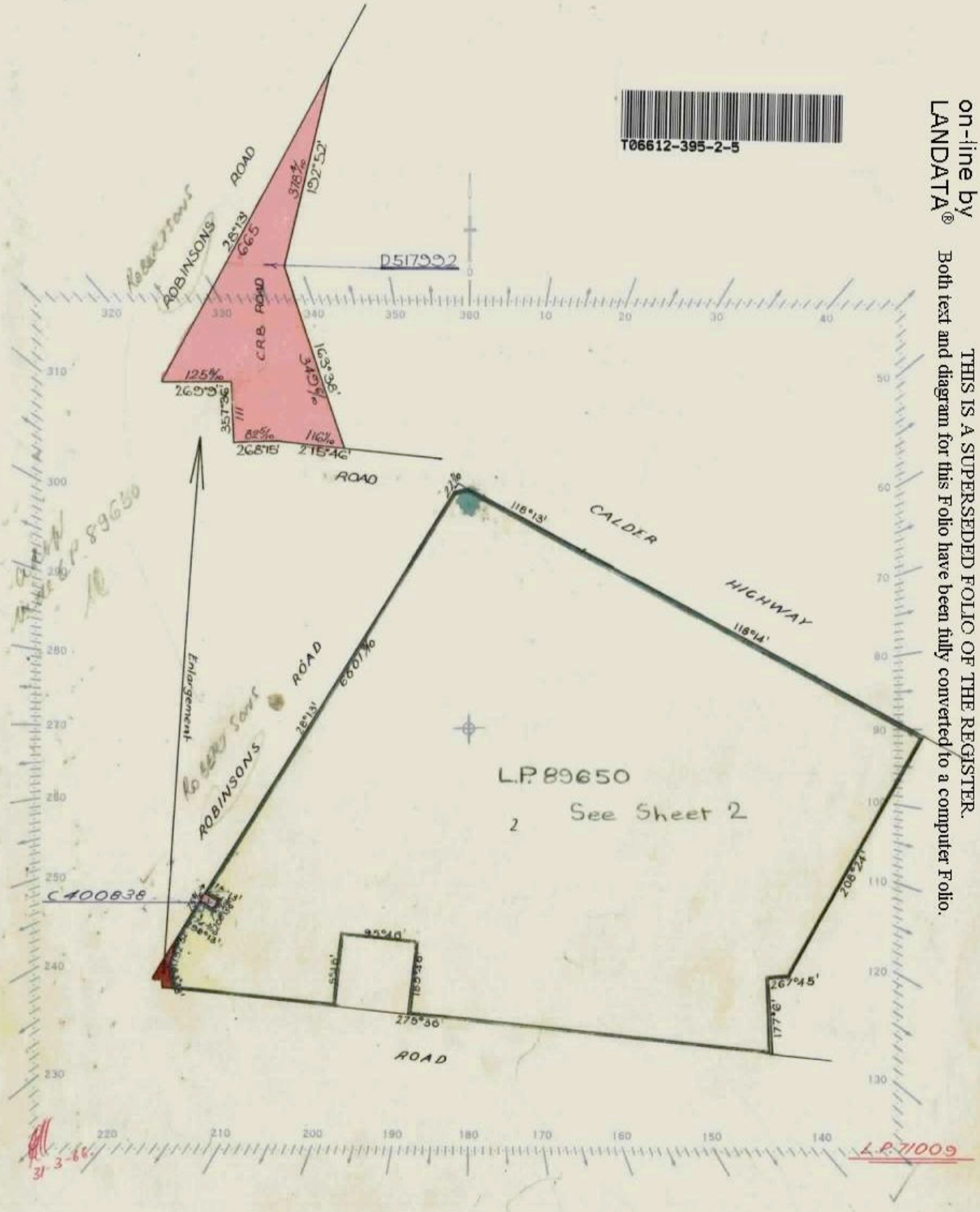
~~L P 89650~~ CANCELLED

LEWIS LESLIE WELSH DIED ON 2/9/84
PROBATE OF HIS WILL HAS BEEN GRANTED
TO OLIVE FREDA MAVIS WELSH OF
SYDENHAM & NEVILLE LESLIE WELSH OF
COIMADAI RD. DIGGERS REST
REGISTERED 26/2/85
L532941H

MORTGAGE
BALLAW NOMINEES PTY. LTD.
REGISTERED 29/10/87
N109810W
DISCHARGED 2 AUG 1988

SCALE 15 CHAINS to one inch

Volume 6612 Folio 395



FULLY CONVERTED TITLE

THIS IS A SUPERSEDED FOLIO OF THE REGISTER.

Both text and diagram for this Folio have been fully converted to a computer Folio.

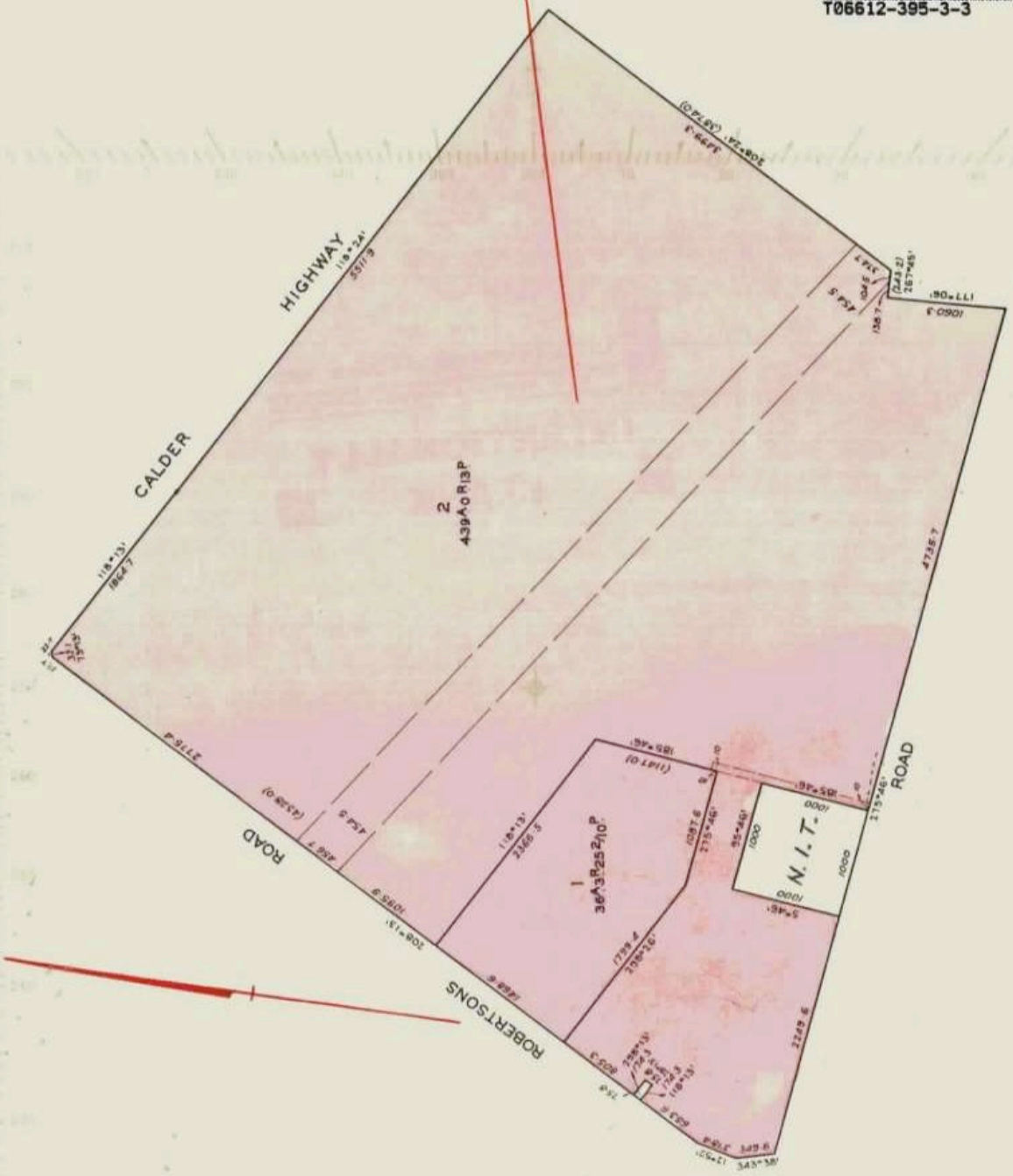
INTENTIONALLY BLANK

Volume 6612 Folio 395

L.P.89650 CANCELS FROM THIS TITLE
ALL LOTS ON SAID L.P.
2 CERTS. TO ISSUE

FULLY CONVERTED TITLE

THIS IS A SUPERSEDED FOLIO OF THE REGISTER.
Both text and diagram for this Folio have been fully converted to a computer Folio.



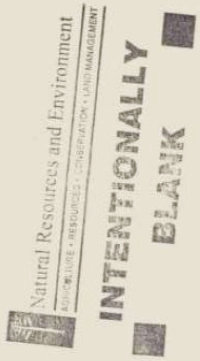
L.P. 89650

Sheet 2

FULLY CONVERTED TITLE

THIS IS A SUPERSEDED FOLIO OF THE REGISTER.

Both text and diagram for this Folio have been fully converted to a computer Folio.



VOLUME 03586 FOLIO 106 Security no : 124033663801Q
Produced 11/05/2010 11:36 am

********** FOLIO IS CANCELLED **********

** Folio is on Imaging. See Imaging System **

THIS FOLIO HAS BEEN CANCELLED

SEE FOLIOS:

5714/682	CANCELLED	
6183/549	LIVE	Lot 1 on Title Plan 429803F
6183/549	LIVE	Lot 2 on Title Plan 429803F
6612/395	LIVE	Lot 1 on Title Plan 854372J

----------END OF REGISTER SEARCH STATEMENT----------

Additional information: (not part of the Register Search Statement)

Street Address: CALDER HIGHWAY KEILOR EAST VIC 3033

DOCUMENT END

Imaged Document Cover Sheet

The document following this cover sheet is an imaged document supplied by LANDATA®, Land Victoria.

Document Type	**Cancelled Title**
Document Identification	**3586/106**
Number of Pages (excluding this cover sheet)	**4**
Document Assembled	**11/05/2010 11:39**

Entered in the Register Book,

Vol 3586 Fol. 717106

CANCELLED

VICTORIA.

Certificate of Title,

UNDER THE "TRANSFER OF LAND ACT 1890."

JOHN BAKEWELL McARTHUR of Hosies Hotel Elizabeth Street Melbourne Licensed Victualler is now the proprietor of an Estate in Fee-simple, subject to the Encumbrances notified hereunder in All that piece of Land, delineated and coloured red on the map in the margin containing Four hundred and fifty-one acres Three roods and Twenty-four perches or thereabouts being part of Lots 4 and 5 on Plan of Subdivision No.4455 lodged in the Office of Titles and being part of Crown Allotment four Section twenty-six part of Crown Allotments A and B Section twenty-seven and part of Crown Allotment A Section twenty-eight and part of a closed Government Road Parish of Maribyrnong County of Bourke Together with a right of carriage way over the road colored brown on the said map -

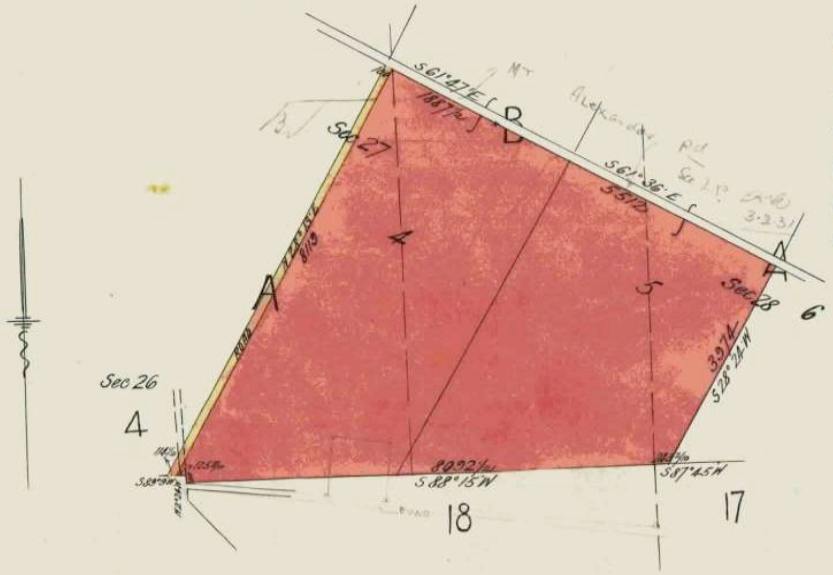
Dated the Thirteenth day of March thousand nine hundred and twelve.

Assistant Registrar of Titles

ENCUMBRANCES REFERRED TO

As to aforesaid part of Allotments A and B Section twenty-seven and A --- Section twenty-eight - - -

SPECIAL RAILWAY CONDITION contained in Crown Grants to James Robertson - - -



The Measurements are in Links

T03586-106-1-6

ORIGINAL CERTIFICATE. Not to be dealt with outside the Titles Office.

Vol. 2890 Fol. 577903
2917 583387

Transfer. 677939

Application

Nature of Instrument.	Day and Hour of its Production.	Names of the Parties to it.	Number or Symbol thereon.

TRANSFER AS TO PART to THE PRESIDENT COUNCILLORS AND RATEPAYERS OF THE SHIRE OF Keilor registered on 23rd January 1931 numbered 1474488
CANCELLED AS TO PART See Certificate of Title Vol. 5714 Fol. 1142682
J. McRae
Assistant Registrar of Titles

TRANSFER AS TO BALANCE to Arthur Gunter, Harold Elliott Gunter and William Arthur Gunter registered on 12th March 1943 numbered 1880335
CANCELLED See Certificate of Title Vol. 6612 Fol. 1322395
F. Hewison
Assistant Registrar of Titles.
Assistant Registrar of Titles

MORTGAGE to The Union Bank of Australia Limited registered 10th December 1931 numbered 1478852
DISCHARGED
Discharged as to part being the land in transfer numbered 1680887 10th March 1938
Assistant Registrar of Titles
12th March 1943
Assistant Registrar of Titles

JAN 1943

CANCELLED

Assistant Registrar of Titles.

TRANSFER AS TO PART to COUNTRY ROADS BOARD registered on 10th March 1938 numbered 1680887
CANCELLED AS TO PART See Certificate of Title Vol. 6183 Fol. 1236549
Assistant Registrar of Titles
Area 7 A. 1 R. 24 P.

Assistant Registrar of Titles.

CAVEAT No. 101099 LODGED 16th November 1938.
CAVEAT No. 101099 LAPSED 3rd January 1940

Assistant Registrar of Titles.

Red Ink No. 3985988 John Bakewell McArthur died on 20th July 1941 Probate of his Will has been granted to Katrina Marion McArthur of Majestic Mansions Fitzroy Street St Kilda Widow and THE EQUITY TRUSTEES EXECUTORS AND AGENCY COMPANY LIMITED of 472 Bourke Street Melbourne
Dated 20th November 1941.
F. Hewison
Assistant Registrar of Titles
The endorsement made on the duplicate

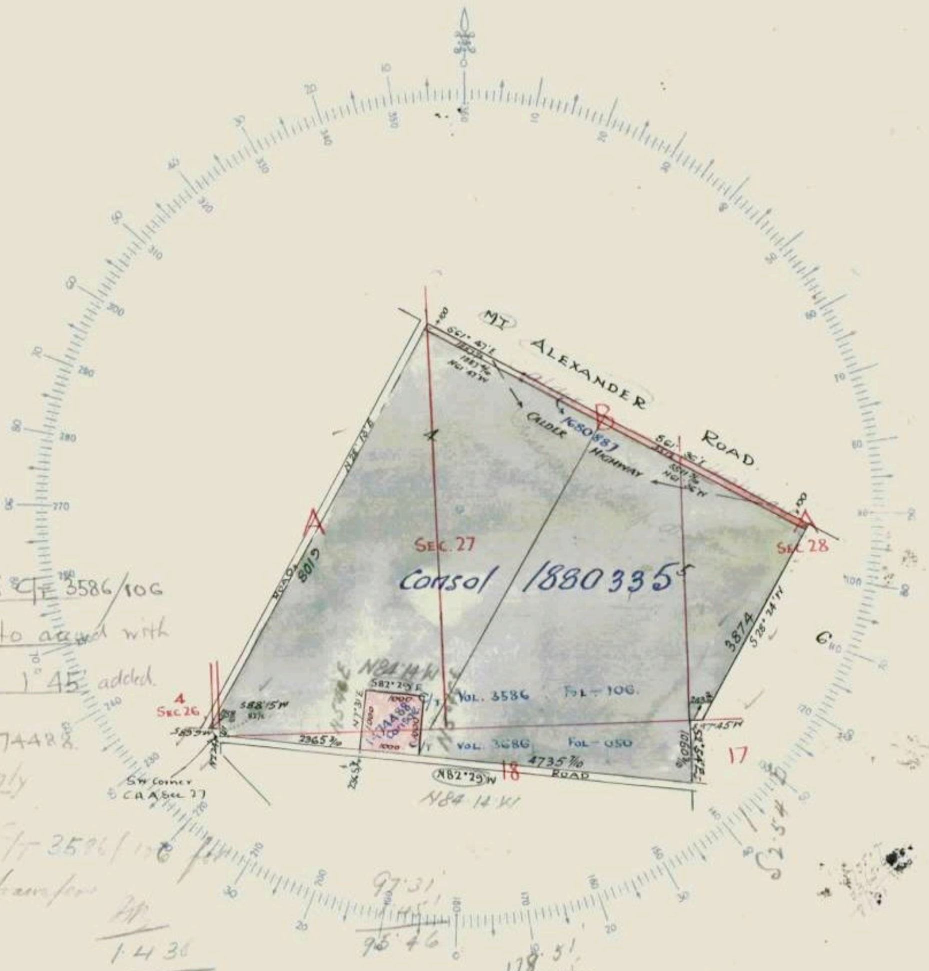
Assistant Registrar of Titles.

CAVEAT No 111129 LODGED 6th November 1942
CAVEAT No. 111129 LAPSED 12th March 1943

Assistant Registrar of Titles.

SCALE: 20 CHAINS to one inch.

Vol. 3586 fol. – 106
" 3686 " – 050



NOTE. DATUM of C/T 3586/106 has been altered to accord with C/T 3686/050 i.e. 1°45' added.

see note on T.S. 1474485

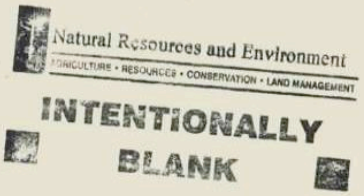
For TB 1474485 Only adopt datum of C/T 3586/106 for future transfers

97.31'
1.45'
99.16

7.31'
1.45'
5.46

17-1-24

451-3-24
42.1-35
494-1-19
17.1.24
476-3-35



Produced 11/05/2010 10:59 AM

Volume 10178 Folio 827
Folio Creation: Created as a computer folio
Parent titles :
Volume 10073 Folio 246 to Volume 10073 Folio 247

RECORD OF ALTS DEALINGS

Date Lodged for Registration	Date Recorded on Register	Dealing	Imaged	Dealing Type and Details
15/11/1994	24/07/1995	T414971C	Y	APPLICATION Section 106E
07/02/1996	16/02/1996	U076130H	N	DISCHARGE OF MORTGAGE T131541S
	21/02/1996	PS342427D	Y	Cancelled by T845227D

RECORD OF VOTS DEALINGS

Date Lodged for Registration	Date Recorded on Register	Dealing	Imaged

STATEMENT END

Produced 11/05/2010 11:07 AM

Volume 10073 Folio 247
Folio Creation: Created as paper folio continued as computer folio
Parent title Volume 09951 Folio 146

RECORD OF ALTS DEALINGS

Date Lodged for Registration	Date Recorded on Register	Dealing	Imaged	Dealing Type and Details
08/06/1994	24/06/1994	T131541S	N	MORTGAGE
08/06/1994	24/06/1994	T131540V	N	DISCHARGE OF MORTGAGE L449208V
	15/07/1994	PS327317W	Y	Cancelled by PS327317W

RECORD OF VOTS DEALINGS

Date Lodged for Registration	Date Recorded on Register	Dealing	Imaged

STATEMENT END

CONTINUED AS A COMPUTER FOLIO

ORIGINAL

NOT TO BE TAKEN FROM THE OFFICE OF TITLES

REGISTER BOOK

VOL. 10073 FOL. 247

VICTORIA

Certificate of Title

UNDER THE "TRANSFER OF LAND ACT"

PATHSTONE PTY. LIMITED of 1 Buchanan Road North Altona is the proprietor of an estate in fee simple subject to the encumbrances notified hereunder in all that land in the Parish of Maribyrnong being Lot C on Plan of Subdivision No. 312296L-

Issued under Section 24 of the Subdivision Act 1988-

Derived From
Vol. 9951 Fol. 146

2/7/92

OFFICE OF TITLES VICTORIA

R.A. Quinn

Assistant Registrar of Titles

ENCUMBRANCES REFERRED TO

Any encumbrances created by Section 98 of the Transfer of Land Act 1958 or Section 24 of the Subdivision Act 1988-

Any other encumbrances shown or entered on the said Plan-

MORTGAGE L449208V - Burns Philp Trustee Company Limited- Registered 7/1/85-

The above mortgage is discharged as to part being the within Land
- 8 JUN 1994

P. B.

DATA VERIFIED 08 JUL 1992

T10073-247-1-3

SEE PS312296L FOR BOUNDARIES AND OTHER DETAILS

VOL. 10073 FOL. 247

CONTINUED AS A
COMPUTER FOLIO
24 JUN 1994

VOLUME 10073 FOLIO 246 Security no : 124033663041R
Produced 11/05/2010 11:16 am
********** FOLIO IS CANCELLED **********

LAND

LOT B on Plan of Subdivision 312296L.
PARENT TITLE Volume 09951 Folio 146
Created by instrument PS312296L 02/07/1992

REGISTERED PROPRIETOR

ESTATE FEE SIMPLE
SOLE PROPRIETOR
PATHSTONE PTY LTD; 1 BUCHANAN ROAD NORTH ALTONA 3018

ENCUMBRANCES, CAVEATS AND NOTICES

MORTGAGES AND CHARGES IN PRIORITY RANKING
1 T131541S 08/06/1994 MORTGAGE
NATIONAL AUSTRALIA BANK LIMITED

Any encumbrances created by Section 98 Transfer of Land Act 1958 or Section 24 Subdivision Act 1988.
Any other encumbrances shown or entered on the plan.

SEE PS312296L FOR FURTHER DETAILS AND BOUNDARIES

UNREGISTERED DEALINGS

Obtain Final Search Statement for unregistered dealings

STATEMENT END

THIS FOLIO HAS BEEN CANCELLED

SEE FOLIOS:

10178/823	CANCELLED	Lot C on Plan of Subdivision 327317W
10178/824	CANCELLED	Lot D on Plan of Subdivision 327317W
10178/825	CANCELLED	Lot F on Plan of Subdivision 327317W
10178/826	CANCELLED	Lot G on Plan of Subdivision 327317W
10178/827	CANCELLED	Lot H on Plan of Subdivision 327317W
10178/828	CANCELLED	Lot J on Plan of Subdivision 327317W

DOCUMENT END

VOLUME 09951 FOLIO 146 Security no : 124033688592T
Produced 12/05/2010 03:14 pm
********** FOLIO IS CANCELLED **********

LAND

LOT D on Plan of Subdivision 216596Y.
PARENT TITLE Volume 09500 Folio 655

REGISTERED PROPRIETOR

ESTATE FEE SIMPLE
SOLE PROPRIETOR
PATHSTONE PTY LTD; 1 BUCHANAN ROAD NORTH ALTONA 3018

ENCUMBRANCES, CAVEATS AND NOTICES

MORTGAGES AND CHARGES IN PRIORITY RANKING
1 L449208V 07/01/1985 MORTGAGE
FIRST NATIONAL FINANCE LIMITED
Transfer of Mortgage P944348X 08/08/1990
Variation of Mortgage P944349U 08/08/1990

Any easements created by Section 98 Transfer of Land Act 1958.
Any other encumbrances shown or entered on the plan.

SEE LP216596Y FOR FURTHER DETAILS AND BOUNDARIES

UNREGISTERED DEALINGS

Obtain Final Search Statement for unregistered dealings

STATEMENT END

THIS FOLIO HAS BEEN CANCELLED

SEE FOLIOS:

10073/245	CANCELLED	Lot A on Plan of Subdivision 312296L
10073/246	CANCELLED	Lot B on Plan of Subdivision 312296L
10073/247	CANCELLED	Lot C on Plan of Subdivision 312296L
10073/248	LIVE	Reserve 1 on Plan of Subdivision 312296L

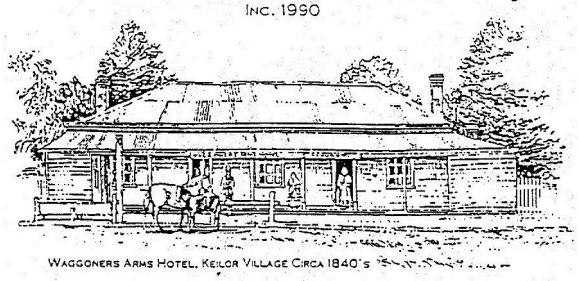
DOCUMENT END

compassenvironmental

APPENDIX E

Keilor Historical Society Research Report

Keilor Historical Society
INC. 1990



Keilor Historical Society Inc.
ABN 78 696 736 709 Incorporation No. A0021913R

PO Box 263,
Keilor. Vic. 3036

SITE SEARCH: 16-28 McCubbin Drive, Taylors Lakes
18-24 Robertsons Road, Taylors Lakes

These two adjacent sites form one large site. Robertsons Road, which appears on old maps, originally ran from the Calder Highway to the Keilor-Melton Road but since the 1990s it no longer allows vehicular access to the Keilor-Melton Road. McCubbin Drive dates from the development of this area circa 1990.

The suburb of Taylors Lakes and the Taylors Creek, which flows through it, take their name from William Taylor, a Scottish immigrant, who settled in Keilor in the late 1840s after buying 13,000acres of land for sheep farming. He built "Ovenewton" (Melway 14 E2) a small homestead in 1849 and later added a tower; as a result of the extension it was referred to as "Overnewton Castle"

"Overnewton" was largely self sufficient; its water supply came from the Taylors Creek which flowed through William Taylors land. He created a series of small lakes along the creek to store water which was piped from the last lake in the series to a cistern on his property. Several of these lakes form a feature of the Watergardens Shopping Centre (Melway 3 E12) while further downstream other lakes are adjacent to the Taylors Lake Shopping Centre (Melway 13 K2).

After William Taylor's death in 1903, his land, with the exception of 200 acres surrounding "Overnewton", was sold to the Closer Settlement Board of Victoria in 1907 for subdivision. The Victorian Government at that time bought large pastoral properties for subdivision into smaller allotments which were made available at low rates of interest to families with limited assets. The aim of the scheme was to settle more people on the land and create a densely populated state of small family farms.

The area remained rural until circa 1970. At that time the Keilor- Melton Road was a country road with wide gravelled verges and a metalled strip in the centre. Residential development began on the south side of the Keilor-Melton Road in the 1970s with retail areas following in the 1990s.

A survey of the Melway Street Directories indicates that the area surrounding the site under review was at the planning stage circa 1990 and that development occurred from post 1995. For a short time in the early 1990s the site under review was shown as the "proposed site for Brimbank Secondary College" Apart from that the site has remained on the Melway maps as open land to the present.

We have no information relating to the track markings shown on the satellite image. However it is possible that a previous owner may have used that area for training horses in harness racing. Similar sites existed in the Keilor/Melton/Gisborne area.

SUMMARY To the best of our knowledge the site under review has been used for agricultural purposes from the late 1840s to circa 1970

APPENDIX F

Extract from EPA Priority Sites Register

Extract of EPA Priority Site Register

PROPERTY INQUIRY DETAILS:

STREET ADDRESS: 18 - 24 ROBERTSONS ROAD
SUBURB: TAYLORS LAKES
MUNICIPALITY: CITY OF BRIMBANK
MAP REFERENCES: Melways 37th Edition, Street Directory, Map 3 Reference E11
Melways 37th Edition, Street Directory, Map 3 Reference F11
Melways 37th Edition, Street Directory, Map 3 Reference E10

DATE OF SEARCH: 11th May 2010

PRIORITY SITES REGISTER REPORT:

A search of the Priority Sites Register for the above map references, corresponding to the address given above, has indicated that this site is not listed on, and is not in the vicinity of a site listed on the Priority Sites Register at the above date.

IMPORTANT INFORMATION ABOUT THE PRIORITY SITES REGISTER:

You should be aware that the Priority Sites Register lists only those sites for which EPA has requirements for active management of land and groundwater contamination. Appropriate clean up and management of these sites is an EPA priority, and as such, EPA has issued either a:

Clean Up Notice pursuant to section 62A, or a
Pollution Abatement Notice pursuant to section 31A or 31B

of the Environment Protection Act 1970 on the occupier of the site to require active management of these sites.

The Priority Sites Register does not list all sites known to be contaminated in Victoria. A site should not be presumed to be free of contamination just because it does not appear on the Priority Sites Register.

Persons intending to enter into property transactions should be aware that many properties may have been contaminated by past land uses and EPA may not be aware of the presence of contamination. EPA has published information advising of potential contaminating land uses. Municipal planning authorities hold information about previous land uses, and it is advisable that such sources of information also be consulted.

For sites listed on the Priority Sites Register, a copy of the relevant Notice, detailing the reasons for issue of the Notice, and management requirements, is available on request from EPA for $8 per Notice.

For more information relating to the Priority Sites Register, refer to EPA contaminated site information bulletin: Priority Sites Register & Contaminated Land Audit Site Listing (EPA Publication 735). For a copy of this publication, copies of relevant Notices, or for more information relating to sites listed on the Priority Sites Register, please contact EPA as given below:

EPA Information Centre
Herald & Weekly Times Tower
40 City Road, Southbank 3006
Tel: (03)9695 2700 Fax:(03)9695 2710

[Extract of Priority Sites Register] # 10447886 - 10447886101726 '1042 - CertofTitleA'

Extract of EPA Priority Site Register

PROPERTY INQUIRY DETAILS:

STREET ADDRESS: 16 - 28 MCCUBBIN DRIVE
SUBURB: TAYLORS LAKES
MUNICIPALITY: CITY OF BRIMBANK
MAP REFERENCE: Melways 37th Edition, Street Directory, Map 3 Reference E11

DATE OF SEARCH: 11th May 2010

PRIORITY SITES REGISTER REPORT:

A search of the Priority Sites Register for the above map reference, corresponding to the address given above, has indicated that this site is not listed on, and is not in the vicinity of a site listed on the Priority Sites Register at the above date.

IMPORTANT INFORMATION ABOUT THE PRIORITY SITES REGISTER:

You should be aware that the Priority Sites Register lists only those sites for which EPA has requirements for active management of land and groundwater contamination. Appropriate clean up and management of these sites is an EPA priority, and as such, EPA has issued either a:

Clean Up Notice pursuant to section 62A, or a
Pollution Abatement Notice pursuant to section 31A or 31B

of the Environment Protection Act 1970 on the occupier of the site to require active management of these sites.

The Priority Sites Register does not list all sites known to be contaminated in Victoria. A site should not be presumed to be free of contamination just because it does not appear on the Priority Sites Register.

Persons intending to enter into property transactions should be aware that many properties may have been contaminated by past land uses and EPA may not be aware of the presence of contamination. EPA has published information advising of potential contaminating land uses. Municipal planning authorities hold information about previous land uses, and it is advisable that such sources of information also be consulted.

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EPA Information Centre
Herald & Weekly Times Tower
40 City Road, Southbank 3006
Tel: (03)9695 2700 Fax:(03)9695 2710

[Extract of Priority Sites Register] # 10448121 - 10448121104617 '1042 - CertofTitleB'

APPENDIX G
ESV Cathodic Protection Systems Database Search

energysafe VICTORIA

19 May, 2010

TO: Ally Dosser
Compass Environmental

Fax: 9819 4724
Ph: 9819 4704

SEARCH FOR CATHODIC PROTECTION SYSTEMS

With reference to your fax of 19/05/2010, a search of the CP database has failed to identify any cathodic protection systems at the following locations:

- **16-28 McCubbin Drive, Taylors Lakes**
- **18-24 Robertsons Road, Taylors Lakes**

Yours sincerely

Glenn Carrig
MANAGER ELECTROLYSIS MITIGATION

Energy Safe Victoria
ABN 27 462 247 857
Level 3 Building 2
4 Riverside Quay
Southbank Victoria 3006
PO Box 262
Collins Street West
Victoria 8007
Phone (03) 9203 9700
Fax (03) 9686 2197
Web www.esv.vic.gov.au

APPENDIX H
Soil Analytical Results

compassenvironmental

PROJECT NO.: 1042
CLIENT: VicUrban
SITE: Taylors Lakes

Table 1: Tabulated Soil Results

	Asbestos and Inorganics						Metals																						TPH					MAH									PAH	
	Asbestos	Cyanide Total	Fluoride	Moisture Content (dried @ 103°C)	pH (Lab)	Sulphate	Antimony	Arsenic	Barium	Beryllium	Boron	Cadmium	Chromium (hexavalent)	Chromium (III+VI)	Cobalt	Copper	Lead	Manganese	Mercury	Molybdenum	Nickel	Selenium	Silver	Tin	Vanadium	Zinc	TPH C 6 - C 9 Fraction	TPH C10 - C14 Fraction	TPH C15 - C28 Fraction	TPH C29-C36 Fraction	TPH+C10 - C36 (Sum of total)	Benzene	Ethylbenzene	Toluene	Xylene Total	MAHs EPA (IWRG 2009)	1,2,4-trimethylbenzene	Isopropylbenzene	Styrene	Acenaphthene	Acenaphthylene
	mg/kg	mg/kg	mg/kg	%	pH_Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL		5	100	0.1	0.1	10	5	2	5	2	10	0.2	1	5	5	5	5	5	0.05	5	5	2	5	5	5	5	20	20	50	50		0.5	0.5	0.5	0.5		0.5	0.5	0.5	0.1	0.1
NEPM 1999 EIL						2000		20	300			3	1			100	600	500	1		60				50	200																
NEPM 1999 HIL A		500						100		20	3000	20	100		100	1000	300	1500	15		600					7000															
NEPM 1999 HIL D		2000						400		80	12000	80	400		400	4000	1200	6000	60		2400					28000															
NEPM 1999 HIL E		1000						200		40	6000	40	200		200	2000	600	3000	30		600					14000															
NSW EPA 1994 Health and Ecological																	**300**										**65**				**1000**	**1**	**50**	**130**	**25**						
NSW EPA 1994 Terrestial Organisms																	*300*										*65*				*1000*	*1*	*3.1*	*1.4*	*14*						
EPA Fill (IWRG 2009)		50	450		4-9			20				3	1			100	300		1	40	60	10	10	50		200	100				1000	1				7					
EPA Cat C (IWRG 2009)		2500	10000					500				100	500			5000	1500		75	1000	3000	50	180	500		35000	650				10000	4				70					
EPA Cat B (IWRG 2009)		10000	40000		2-12.5			2000				400	2000			20000	6000		300	4000	12000	200	720			140000	2600				40000	16				240					

Field_ID	Sampled_Date	SampleCode	Sample_Type																																								
B1/0.5	24/05/2010	10-21989_2200199	Normal	-	-	-	-	-	-	<5	<5	130	<5	<10	<0.2	-	23	10	7	9	250	0.06	<5	21	<5	<5	<5	34	6	<20	<20	<50	<50	<120	-	-	-	-	-	-	-	-	<0.1	<0.1
B2/0.2A	24/05/2010	ASET21750/24930/1	Normal	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B2/0.4	24/05/2010	10-21989_2200200	Normal	-	-	-	-	-	-	<5	<5	480	<5	<10	<0.2	-	29	18	9	11	590	<0.05	<5	28	<5	<5	<5	49	13	<20	<20	<50	<50	<120	-	-	-	-	-	-	-	-	<0.1	<0.1
B2/1.0	24/05/2010	10-21989_2200201	Normal	-	-	-	-	-	-	<5	<5	87	<5	<10	<0.2	-	16	10	<5	8	190	<0.05	<5	10	<5	<5	<5	31	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B3/0.2	24/05/2010	10-21989_2200204	Normal	-	-	-	-	7.5	660	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B3/0.5	24/05/2010	10-21989_2200205	Normal	-	-	-	-	-	-	<5	<5	280	<5	<10	<0.2	-	22	13	7	11	360	<0.05	<5	26	<5	<5	<5	37	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B4/0.2	24/05/2010	10-21989_2200208	Normal	-	-	-	-	-	-	<5	<5	42	<5	<10	<0.2	-	29	11	9	12	410	<0.05	<5	18	<5	<5	<5	47	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B4/0.5	24/05/2010	10-21989_2200209	Normal	-	-	-	-	-	-	<5	<5	320	<5	<10	<0.2	-	22	11	6	9	370	<0.05	<5	23	<5	<5	<5	35	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B5/0.2	24/05/2010	10-21989_2200212	Normal	-	-	-	-	-	-	<5	<5	51	<5	<10	<0.2	-	20	10	9	13	270	<0.05	<5	17	<5	<5	<5	37	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B5/0.5	24/05/2010	10-21989_2200213	Normal	-	-	-	-	7.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B105/0.5	24/05/2010	10-21989_2200237	Field_D	-	-	-	-	7.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B6/1.0	24/05/2010	10-21989_2200217	Normal	-	-	-	-	-	-	<5	<5	770	<5	<10	<0.2	-	14	9	<5	10	200	<0.05	<5	16	6	<5	<5	25	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B7/0.1-0.2	24/05/2010	10-21989_2200221	Normal	-	-	-	-	-	-	<5	<5	36	<5	<10	<0.2	-	31	12	10	13	250	<0.05	<5	13	<5	<5	<5	47	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B8/0.2	24/05/2010	10-21989_2200224	Normal	-	-	-	-	-	-	<5	<5	51	<5	<10	<0.2	-	30	15	9	15	430	<0.05	<5	15	<5	<5	<5	52	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B8/0.5	24/05/2010	10-21989_2200225	Normal	-	-	-	-	8.4	620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B9/0.2	24/05/2010	10-21989_2200226	Normal	-	-	-	-	-	-	<5	<5	37	<5	<10	<0.2	-	18	16	<5	11	490	<0.05	<5	6	<5	<5	<5	45	<5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B109/0.2	24/05/2010	10-21989_2200241	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B10/0.2	24/05/2010	10-21989_2200228	Normal	-	<5	270	-	-	-	-	<5	-	-	-	<0.2	<1	-	-	8	11	-	<0.05	<5	8	<5	<5	<5	-	14	<20	<20	<50	<50	<120	<0.5	<0.5	<0.5	<0.5	<2.5	<0.5	<0.5	<0.5	<0.1	<0.1
B110/0.2	24/05/2010	10-21989_2200242	Field_D	-	-	-	-	-	-	<5	<5	40	<5	<10	<0.2	-	32	25	9	18	600	<0.05	<5	10	<5	<5	<5	55	22	<20	<20	<50	64	64	-	-	-	-	-	-	-	-	<0.1	<0.1
B210/0.2	24/05/2010	M10-MY12780	Interlab_D	-	-	-	12	-	-	<10	<2	-	<2	<10	<0.5	-	38	7.4	11	6	440	<0.1	<10	11	<2	<5	<10	45	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B10/0.2A	24/05/2010	ASET21750/24930/2	Normal	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B11/0.5	24/05/2010	10-21989_2200231	Normal	-	-	-	-	-	-	<5	<5	250	<5	<10	<0.2	-	19	11	6	10	290	<0.05	<5	21	<5	<5	<5	34	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS1	24/05/2010	10-21989_2200244	Normal	-	-	-	-	-	-	<5	<5	66	<5	<10	<0.2	-	28	13	8	15	390	<0.05	<5	14	<5	<5	<5	50	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS3	24/05/2010	10-21989_2200245	Normal	-	-	-	-	-	-	<5	<5	45	<5	<10	0.5	-	23	9	8	23	310	<0.05	<5	6	<5	<5	<5	41	120	<20	<20	<50	60	60	-	-	-	-	-	-	-	-	<0.1	<0.1
SS4A	24/05/2010	ASET21750/24930/3	Normal	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

PROJECT NO.: 1042
CLIENT: VicUrban
SITE: Taylors Lakes

Table 1: Tabulated Soil Results

				PAH														
				Anthracene	Benz(a)anthracene	Benzo(a) pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	Phenanthrene	Pyrene	PAHs (Sum of total)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
NEPM 1999 EIL																		
NEPM 1999 HIL A						1												20
NEPM 1999 HIL D						4												80
NEPM 1999 HIL E						2												40
NSW EPA 1994 Health and Ecological																		**20**
NSW EPA 1994 Terrestial Organisms																		*20*
EPA Fill (IWRG 2009)						1												20
EPA Cat C (IWRG 2009)						5												100
EPA Cat B (IWRG 2009)						20												400
Field_ID	**Sampled_Date**	**SampleCode**	**Sample_Type**															
B1/0.5	24/05/2010	10-21989_2200199	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B2/0.2A	24/05/2010	ASET21750/24930/1	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B2/0.4	24/05/2010	10-21989_2200200	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B2/1.0	24/05/2010	10-21989_2200201	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B3/0.2	24/05/2010	10-21989_2200204	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B3/0.5	24/05/2010	10-21989_2200205	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B4/0.2	24/05/2010	10-21989_2200208	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B4/0.5	24/05/2010	10-21989_2200209	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B5/0.2	24/05/2010	10-21989_2200212	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B5/0.5	24/05/2010	10-21989_2200213	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B105/0.5	24/05/2010	10-21989_2200237	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B6/1.0	24/05/2010	10-21989_2200217	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B7/0.1-0.2	24/05/2010	10-21989_2200221	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B8/0.2	24/05/2010	10-21989_2200224	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B8/0.5	24/05/2010	10-21989_2200225	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B9/0.2	24/05/2010	10-21989_2200226	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B109/0.2	24/05/2010	10-21989_2200241	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B10/0.2	24/05/2010	10-21989_2200228	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B110/0.2	24/05/2010	10-21989_2200242	Field_D	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
B210/0.2	24/05/2010	M10-MY12780	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B10/0.2A	24/05/2010	ASET21750/24930/2	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B11/0.5	24/05/2010	10-21989_2200231	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS1	24/05/2010	10-21989_2200244	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS3	24/05/2010	10-21989_2200245	Normal	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
SS4A	24/05/2010	ASET21750/24930/3	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

				Chlorinated Hydrocarbons																										
				Carbon tetrachloride	Chlorobenzene	Chloroform	1,2-dichlorobenzene	1,4-dichlorobenzene	1,2-dichloroethane	1,2-Dichloroethene [cis]	1,2-Dichloroethene [trans]	1,1-dichloroethene	Dichloromethane	1,1,1,2-tetrachloroethane	1,1,2,2-tetrachloroethane	1,2,4-trichlorobenzene	1,1,1-trichloroethane	1,1,2-trichloroethane	TCE	Tetrachloroethene	Vinyl chloride	Hexachlorobutadiene	Other CHCs EPA (IWRG 2009)	CHCs EPA (IWRG 2009)	1,1-dichloroethane	1,1-dichloropropene	1,2,3,4-tetrachlorobenzene	1,2,3,5-Tetrachlorobenzene	1,2,3-trichlorobenzene	1,2,3-trichloropropane
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				0.5	0.5	0.5	0.1	0.1	0.5	0.5	0.5	0.5	1	0.5	0.5	0.1	0.5	0.5	0.5	0.5	1	0.1			0.5	0.5	0.1	0.1	0.1	0.5
NEPM 1999 EIL																														
NEPM 1999 HIL A																														
NEPM 1999 HIL D																														
NEPM 1999 HIL E																														
NSW EPA 1994 Health and Ecological																														
NSW EPA 1994 Terrestial Organisms																														
EPA Fill (IWRG 2009)																								1						
EPA Cat C (IWRG 2009)																					1.2	2.8	10							
EPA Cat B (IWRG 2009)																					4.8	11	50							
Field_ID	**Sampled_Date**	**SampleCode**	**Sample_Type**																											
B1/0.5	24/05/2010	10-21989_2200199	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B2/0.2A	24/05/2010	ASET21750/24930/1	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B2/0.4	24/05/2010	10-21989_2200200	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B2/1.0	24/05/2010	10-21989_2200201	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B3/0.2	24/05/2010	10-21989_2200204	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B3/0.5	24/05/2010	10-21989_2200205	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B4/0.2	24/05/2010	10-21989_2200208	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B4/0.5	24/05/2010	10-21989_2200209	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B5/0.2	24/05/2010	10-21989_2200212	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B5/0.5	24/05/2010	10-21989_2200213	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B105/0.5	24/05/2010	10-21989_2200237	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B6/1.0	24/05/2010	10-21989_2200217	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B7/0.1-0.2	24/05/2010	10-21989_2200221	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B8/0.2	24/05/2010	10-21989_2200224	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B8/0.5	24/05/2010	10-21989_2200225	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B9/0.2	24/05/2010	10-21989_2200226	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B109/0.2	24/05/2010	10-21989_2200241	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B10/0.2	24/05/2010	10-21989_2200228	Normal	<0.5	<0.5	<0.5	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<1	<0.1	ND	ND	<0.5	<0.5	<0.1	<0.1	<0.1	<0.5
B110/0.2	24/05/2010	10-21989_2200242	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B210/0.2	24/05/2010	M10-MY12780	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B10/0.2A	24/05/2010	ASET21750/24930/2	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B11/0.5	24/05/2010	10-21989_2200231	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS1	24/05/2010	10-21989_2200244	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS3	24/05/2010	10-21989_2200245	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS4A	24/05/2010	ASET21750/24930/3	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

PROJECT NO.: 1042
CLIENT: VicUrban
SITE: Taylors Lakes

Table 1: Tabulated Soil Results

				Chlorinated Hydrocarbons																												OCP															
				1,2,4,5-tetrachlorobenzene	1,2-dibromo-3-chloropropane	1,2-dibromoethane	1,2-dichloropropane	1,3,5-Trichlorobenzene	1,3-dichlorobenzene	1,3-Dichloropropane	2,2-dichloropropane	2-chloronaphthalene	2-chlorotoluene	4-chlorotoluene	Benzal Chloride	Benzotrichloride	Benzyl chloride	Bromobenzene	Bromochloromethane	Bromodichloromethane	Bromoform	Chlorodibromomethane	cis-1,3-dichloropropene	Dibromomethane	Hexachlorocyclopentadiene	Hexachloroethane	Pentachlorobenzene	trans-1,3-dichloropropene	Trichlorofluoromethane	Hexachlorobenzene	a-BHC	b-BHC	g-BHC (Lindane)	d-BHC	Chlordane (cis)	Chlordane (trans)	Endrin	Endrin aldehyde	Heptachlor	Heptachlor epoxide	Methoxychlor	Endosulfan I	Endosulfan II	Endosulfan sulphate	OCPs EPA (IWRG 2009)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL				0.1	0.5	0.5	0.5	0.1	0.1	0.5	0.5	0.1	0.5	0.5	0.1	0.1	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	0.1	0.1	0.5	2	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
NEPM 1999 EIL																																													
NEPM 1999 HIL A																																													10							
NEPM 1999 HIL D																																													40							
NEPM 1999 HIL E																																													20							
NSW EPA 1994 Health and Ecological																																																			
NSW EPA 1994 Terrestial Organisms																																																			
EPA Fill (IWRG 2009)																																																			1
EPA Cat C (IWRG 2009)																																													1.2							
EPA Cat B (IWRG 2009)																																													4.8							
Field_ID	**Sampled_Date**	**SampleCode**	**Sample_Type**																																															
B1/0.5	24/05/2010	10-21989_2200199	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B2/0.2A	24/05/2010	ASET21750/24930/1	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B2/0.4	24/05/2010	10-21989_2200200	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B2/1.0	24/05/2010	10-21989_2200201	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B3/0.2	24/05/2010	10-21989_2200204	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B3/0.5	24/05/2010	10-21989_2200205	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B4/0.2	24/05/2010	10-21989_2200208	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.9
B4/0.5	24/05/2010	10-21989_2200209	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B5/0.2	24/05/2010	10-21989_2200212	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B5/0.5	24/05/2010	10-21989_2200213	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B105/0.5	24/05/2010	10-21989_2200237	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B6/1.0	24/05/2010	10-21989_2200217	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B7/0.1-0.2	24/05/2010	10-21989_2200221	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.9
B8/0.2	24/05/2010	10-21989_2200224	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B8/0.5	24/05/2010	10-21989_2200225	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B9/0.2	24/05/2010	10-21989_2200226	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.9
B109/0.2	24/05/2010	10-21989_2200241	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.9
B10/0.2	24/05/2010	10-21989_2200228	Normal	<0.1	<0.5	<0.5	<0.5	<0.1	<0.1	<0.5	<0.5	<0.1	<0.5	<0.5	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.1	<0.1	<0.1	<0.5	<2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.9
B110/0.2	24/05/2010	10-21989_2200242	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B210/0.2	24/05/2010	M10-MY12780	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B10/0.2A	24/05/2010	ASET21750/24930/2	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B11/0.5	24/05/2010	10-21989_2200231	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS1	24/05/2010	10-21989_2200244	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS3	24/05/2010	10-21989_2200245	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS4A	24/05/2010	ASET21750/24930/3	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

compassenvironmental

PROJECT NO.: 1042
CLIENT: VicUrban
SITE: Taylors Lakes

Table 1: Tabulated Soil Results

				OCP									PCB								Phenols Halogenated										Phenols Non-Halogenated									
				Other OCPs EPA (IWRG 2009)	Aldrin	DDT	DDD	4,4-DDE	DDT+DDE+DDD	Dieldrin	Aldrin + Dieldrin	Endrin ketone	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)	2,3,4,5-tetrachlorophenol	2,3,4,6-tetrachlorophenol	2,3,5,6-Tetrachlorophenol	2,4,5-trichlorophenol	2,4,6-trichlorophenol	2,4-dichlorophenol	2,6-dichlorophenol	2-chlorophenol	4-chloro-3-methylphenol	Pentachlorophenol	Phenols (Total Halogenated)	2,4-dimethylphenol	2,4-dinitrophenol	2-nitrophenol	4,6-Dinitro-2-methylphenol	4,6-Dinitro-o-cyclohexyl phenol	4-nitrophenol	Cresol Total	Dinoseb	Phenol	Phenols (Total Non Halogenated)
				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL					0.05	0.05	0.05	0.05		0.05		0.05	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	30	0.5	10	30	0.5	1	10	0.5	30
NEPM 1999 EIL																																									
NEPM 1999 HIL A									200		10									10																				8500	
NEPM 1999 HIL D									800		40									40																				34000	
NEPM 1999 HIL E									400		20									20																				17000	
NSW EPA 1994 Health and Ecological																																									
NSW EPA 1994 Terrestial Organisms																																									
EPA Fill (IWRG 2009)																				2										1										60
EPA Cat C (IWRG 2009)				10					50		1.2																			10										560
EPA Cat B (IWRG 2009)				50					50		4.8																			320										2200
Field_ID	**Sampled_Date**	**SampleCode**	**Sample_Type**																																						
B1/0.5	24/05/2010	10-21989_2200199	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B2/0.2A	24/05/2010	ASET21750/24930/1	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B2/0.4	24/05/2010	10-21989_2200200	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B2/1.0	24/05/2010	10-21989_2200201	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B3/0.2	24/05/2010	10-21989_2200204	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B3/0.5	24/05/2010	10-21989_2200205	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B4/0.2	24/05/2010	10-21989_2200208	Normal	<0.65	<0.05	<0.05	<0.05	<0.05	<0.15	<0.05	<0.1	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B4/0.5	24/05/2010	10-21989_2200209	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B5/0.2	24/05/2010	10-21989_2200212	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B5/0.5	24/05/2010	10-21989_2200213	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B105/0.5	24/05/2010	10-21989_2200237	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B6/1.0	24/05/2010	10-21989_2200217	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B7/0.1-0.2	24/05/2010	10-21989_2200221	Normal	<0.65	<0.05	<0.05	<0.05	<0.05	<0.15	<0.05	<0.1	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B8/0.2	24/05/2010	10-21989_2200224	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B8/0.5	24/05/2010	10-21989_2200225	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B9/0.2	24/05/2010	10-21989_2200226	Normal	<0.65	<0.05	<0.05	<0.05	<0.05	<0.15	<0.05	<0.1	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B109/0.2	24/05/2010	10-21989_2200241	Field_D	<0.65	<0.05	<0.05	<0.05	<0.05	<0.15	<0.05	<0.1	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B10/0.2	24/05/2010	10-21989_2200228	Normal	<0.65	<0.05	<0.05	<0.05	<0.05	<0.15	<0.05	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<30	<0.5	<10	<30	<0.5	<1	<10	<0.5	<30
B110/0.2	24/05/2010	10-21989_2200242	Field_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B210/0.2	24/05/2010	M10-MY12780	Interlab_D	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B10/0.2A	24/05/2010	ASET21750/24930/2	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
B11/0.5	24/05/2010	10-21989_2200231	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS1	24/05/2010	10-21989_2200244	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS3	24/05/2010	10-21989_2200245	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SS4A	24/05/2010	ASET21750/24930/3	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

compassenvironmental

PROJECT NO.: 1042
CLIENT: VicUrban
SITE: Taylors Lakes

Table 2: Field Duplicate and Split Results

	SDG		Primary	Duplicate		Primary	Duplicate		Primary	Duplicate		Primary	Split	
	Field_ID		B5/0.2	B105/0.5	RPD	B9/0.2	B109/0.2	RPD	B10/0.2	B110/0.2	RPD	B10/0.2	B210/0.2	RPD
	Sampled_Date		24/05/2010	24/05/2010		24/05/2010	24/05/2010		24/05/2010	24/05/2010		24/05/2010	24/05/2010	
Chem_Group	ChemName	Units												
Metals	Arsenic	mg/kg							<5.0	<5.0	0	<5.0	<2.0	0
	Cadmium	mg/kg							<0.2	<0.2	0	<0.2	<0.5	0
	Copper	mg/kg							8.0	9.0	12	8.0	11.0	32
	Lead	mg/kg							11.0	18.0	48	**11.0**	**6.0**	**59**
	Mercury	mg/kg							<0.05	<0.05	0	<0.05	<0.1	0
	Molybdenum	mg/kg							<5.0	<5.0	0	<5.0	<10.0	0
	Nickel	mg/kg							8.0	10.0	22	8.0	11.0	32
	Selenium	mg/kg							<5.0	<5.0	0	<5.0	<2.0	0
	Silver	mg/kg							<5.0	<5.0	0	<5.0	<5.0	0
	Tin	mg/kg							<5.0	<5.0	0	<5.0	<10.0	0
	Zinc	mg/kg							14.0	22.0	44	14.0	15.0	7
TPH	TPH C 6 - C 9 Fraction	mg/kg							<20.0	<20.0	0	<20.0		
	TPH C10 - C14 Fraction	mg/kg							<20.0	<20.0	0	<20.0		
	TPH C15 - C28 Fraction	mg/kg							<50.0	<50.0	0	<50.0		
	TPH C29-C36 Fraction	mg/kg							<50.0	64.0	25	<50.0		
PAH	Acenaphthene	mg/kg							<0.1	<0.1	0	<0.1		
	Acenaphthylene	mg/kg							<0.1	<0.1	0	<0.1		
	Anthracene	mg/kg							<0.1	<0.1	0	<0.1		
	Benz(a)anthracene	mg/kg							<0.1	<0.1	0	<0.1		
	Benzo(a) pyrene	mg/kg							<0.1	<0.1	0	<0.1		
	Benzo(b)fluoranthene	mg/kg							<0.1	<0.1	0	<0.1		
	Benzo(g,h,i)perylene	mg/kg							<0.1	<0.1	0	<0.1		
	Benzo(k)fluoranthene	mg/kg							<0.1	<0.1	0	<0.1		
	Chrysene	mg/kg							<0.1	<0.1	0	<0.1		
	Dibenz(a,h)anthracene	mg/kg							<0.1	<0.1	0	<0.1		
	Fluoranthene	mg/kg							<0.1	<0.1	0	<0.1		
	Fluorene	mg/kg							<0.1	<0.1	0	<0.1		
	Indeno(1,2,3-c,d)pyrene	mg/kg							<0.1	<0.1	0	<0.1		
	Naphthalene	mg/kg							<0.1	<0.1	0	<0.1		
	Phenanthrene	mg/kg							<0.1	<0.1	0	<0.1		
	Pyrene	mg/kg							<0.1	<0.1	0	<0.1		
	PAHs (Sum of total)	mg/kg							<0.1	<0.1	0	<0.1		
OCP	Hexachlorobenzene	mg/kg				<0.05	<0.05	0						
	a-BHC	mg/kg				<0.05	<0.05	0						
	b-BHC	mg/kg				<0.05	<0.05	0						
	g-BHC (Lindane)	mg/kg				<0.05	<0.05	0						
	d-BHC	mg/kg				<0.05	<0.05	0						
	Chlordane (cis)	mg/kg				<0.05	<0.05	0						
	Chlordane (trans)	mg/kg				<0.05	<0.05	0						
	Endrin	mg/kg				<0.05	<0.05	0						
	Endrin aldehyde	mg/kg				<0.05	<0.05	0						
	Heptachlor	mg/kg				<0.05	<0.05	0						
	Heptachlor epoxide	mg/kg				<0.05	<0.05	0						
	Methoxychlor	mg/kg				<0.05	<0.05	0						
	Endosulfan I	mg/kg				<0.05	<0.05	0						
	Endosulfan II	mg/kg				<0.05	<0.05	0						
	Endosulfan sulphate	mg/kg				<0.05	<0.05	0						
	Aldrin	mg/kg				<0.05	<0.05	0						
	DDT	mg/kg				<0.05	<0.05	0						
	DDD	mg/kg				<0.05	<0.05	0						
	4,4-DDE	mg/kg				<0.05	<0.05	0						
	Dieldrin	mg/kg				<0.05	<0.05	0						
	Endrin ketone	mg/kg				<0.05	<0.05	0						

*RPDs have only been considered where a concentration is greater than 1 times the EQL.
**High RPDs are in bold (Acceptable RPDs for each EQL multiplier range are: 50 (1-1 x EQL); 50 (1-1 x EQL); 50 (> 1 x EQL))
***Interlab Duplicates are matched on a per compound basis as methods vary between laboratories.
Any methods in the row header relate to those used in the primary laboratory

APPENDIX I
Bore Logs

compassenvironmental

Logged by	: AD
Checked by	: DS
Drilling contractor	: GeoAust
Drilling method	: Auger
Bore diameter	: 100 m
Sampling method	: Grab
Total depth	: 0.6 m

Bore number: B1

Project number	: 1042
Client	: VicUrban
Location	: Taylors Lakes
Date	: 24 May 2010

Depth (m)	Sample ID	PID (ppm)	Graphic log	USCS	Description
0	B1/0.2	0.1			CLAYEY SILT: brown, minor organic matter, medium plasticity, dry to moist, no odour
.5	B1/0.5	0.1			SILTY CLAY: brown, medium plasticity, dry to moist, no odour
					Bore terminated at 0.6 m, refusal on basalt

1 1.5 2 2.5 3 3.5 4 4.5 5 5.5 6 6.5 7 7.5 8

compassenvironmental

Logged by	: AD
Checked by	: DS
Drilling contractor	: GeoAust
Drilling method	: Auger
Bore diameter	: 100 m
Sampling method	: Grab
Total depth	: 3.6 m

Bore number: B2

Project number	: 1042
Client	: VicUrban
Location	: Taylors Lakes
Date	: 24 May 2010

Depth (m)	Sample ID	PID (ppm)	Graphic log	USCS	Description
0	B2/0.2	0.0			CLAYEY SILT: brown, minor organic matter, medium plasticity, dry, no odour
.5	B2/0.4	0.0			SILTY CLAY: brown, medium plasticity, dry, no odour
1	B2/1.0	0.0			SILTY CLAY: brown/grey, minor basalt dust, medium plasticity, dry to moist, no odour Tending grey with occassional brown mottles with depth
1.5					
2	B2/2.0 (B102/B202)	0.0			
2.5					
3	B3/3.0	0.0			
3.5					Bore terminated at 3.6 m, refusal on basalt
4					
4.5					
5					
5.5					
6					
6.5					
7					
7.5					
8					

compassenvironmental

Logged by	: AD
Checked by	: DS
Drilling contractor	: GeoAust
Drilling method	: Auger
Bore diameter	: 100 m
Sampling method	: Grab
Total depth	: 3.0 m

Bore number: B3

Project number	: 1042
Client	: VicUrban
Location	: Taylors Lakes
Date	: 24 May 2010

Depth (m)	Sample ID	PID (ppm)	Graphic log	USCS	Description
0	B3/0.2	0.0			CLAYEY SILT: brown, minor organic matter, dry to moist, no odour
.5	B3/0.5	0.0			SILTY CLAY: brown, minor organic matter, low plasticity, dry to moist, no odour
1	B3/1.0	0.0			SILTY CLAY: grey brown, white calcium carbonate mottles, occassional basalt fragments, < 3 mm, medium plasticity, dry to moist, no odour
1.5					SILTY CLAY: grey brown, occassional white calcium carbonate mottles, occassional basalt dust fragments < 3 mm, medium plasticity, dry to moist, no odour
2	B3/2.0	0.0			
2.5					
3					Bore terminated at 3.0 m, refusal on basalt
3.5					
4					
4.5					
5					
5.5					
6					
6.5					
7					
7.5					
8					

compassenvironmental

Logged by	: AD
Checked by	: DS
Drilling contractor	: GeoAust
Drilling method	: Auger
Bore diameter	: 100 m
Sampling method	: Grab
Total depth	: 2.0 m

Bore number: B4

Project number	: 1042
Client	: VicUrban
Location	: Taylors Lakes
Date	: 24 May 2010

Depth (m)	Sample ID	PID (ppm)	Graphic log	USCS	Description
0	B4/0.2	0.0			FILL: clayey silt, minor organic matter, occassional plastic fragments, low plasticity, dry to moist, no odour
	(B104/B204)	0.0			
.5	B4/0.5	0.0			SILTY CLAY: brown, occassional organic matter, medium plasticity, dry to moist, no odour
1	B4/1.0	0.0			SILTY CLAY: grey white, highly carbonated, medium plasticity, dry to moist, no odour
1.5					SILTY CLAY: grey brown, calcium carbonate mottles, medium plasticity, dry to moist, no odour
2	B4/1.9	0.0			Bore terminated at 2.0 m, refusal on basalt rock
2.5					
3					
3.5					
4					
4.5					
5					
5.5					
6					
6.5					
7					
7.5					
8					

compassenvironmental

Logged by	: AD
Checked by	: DS
Drilling contractor	: GeoAust
Drilling method	: Auger
Bore diameter	: 100 m
Sampling method	: Grab
Total depth	: 1.25 m

Bore number: B5

Project number	: 1042
Client	: VicUrban
Location	: Taylors Lakes
Date	: 24 May 2010

Depth (m)	Sample ID	PID (ppm)	Graphic log	USCS	Description
0	B5/0.2	0.1			FILL: clayey silt, minor organic matter, occassional crushed rock < 5 mm, low plasticity, dry to moist, no odour
.5	B5/0.5 (B105/B205)	0.1			SILTY CLAY: brown, minor organic matter, medium plasticity, dry to moist, no odour
1	B5/1.0	0.0			SILTY CLAY: brown grey, highly carbonated, medium plasticity, dry to moist, no odour
					Bore terminated at 1.25 m, refusal on basalt

1.5 2 2.5 3 3.5 4 4.5 5 5.5 6 6.5 7 7.5 8

compassenvironmental

Logged by	: AD
Checked by	: DS
Drilling contractor	: GeoAust
Drilling method	: Auger
Bore diameter	: 100 m
Sampling method	: Grab
Total depth	: 4.3 m

Bore number: B6

Project number	: 1042
Client	: VicUrban
Location	: Taylors Lakes
Date	: 24 May 2010

Depth (m)	Sample ID	PID (ppm)	Graphic log	USCS	Description
0	B6/0.2	0.0			CLAYEY SILT: brown, minor organic matter, low plasticity, dry to moist, no odour
.5	B6/0.2	0.0			SILTY CLAY: brown, occassional calcium carbonate mottles, medium plasticity, no odour
1	B6/1.0 (B106/B206)	0.1			SILTY CLAY: grey brown, medium plasticity, dry to moist, no odour Calcium carbonate increasing with depth
1.5					SILTY CLAY: grey brown, medium plasticity, moist, no odour
2	B6/2.0	0.1			Occassional basalt dust with depth
2.5					
3	B6/3.0	0.1			
3.5					
4	B6/4.1	0.0			
4.5					Bore terminated at 4.3 m, refusal on basalt
5					
5.5					
6					
6.5					
7					
7.5					
8					

compassenvironmental

Logged by	: AD
Checked by	: DS
Drilling contractor	: GeoAust
Drilling method	: Auger
Bore diameter	: 100 m
Sampling method	: Grab
Total depth	: 1.5 m

Bore number: B7

Project number	: 1042
Client	: VicUrban
Location	: Taylors Lakes
Date	: 24 May 2010

Depth (m)	Sample ID	PID (ppm)	Graphic log	USCS	Description
0	B7/0.1-0.2	0.0			CLAYEY SILT: brown, minor organic matter, low plasticity, dry to moist, no odour
.5	B7/0.5	0.0			SILTY CLAY: brown, very minor calcium carbonate mottles, medium plasticity, dry, no odour
1	B7/1.0 (B107/B207)	0.0			Highly carbonated, basalt fragments < 5 mm
1.5					Bore terminated at 1.5 m, refusal on basalt
2					
2.5					
3					
3.5					
4					
4.5					
5					
5.5					
6					
6.5					
7					
7.5					
8					

compassenvironmental

Logged by	: AD
Checked by	: DS
Drilling contractor	: GeoAust
Drilling method	: Auger
Bore diameter	: 100 m
Sampling method	: Grab
Total depth	: 0.9 m

Bore number: B8

Project number	: 1042
Client	: VicUrban
Location	: Taylors Lakes
Date	: 24 May 2010

Depth (m)	Sample ID	PID (ppm)	Graphic log	USCS	Description
0	B8/0.2	0.1			CLAYEY SILT: brown, minor organic matter, low plasticity, dry to moist, no odour
.5	B8/0.5 (B108/B208)	0.0			SILTY CLAY: brown, occassional calcium carbonate, medium plasticity, dry to moist, no odour
1					Bore terminated at 0.9 m, refusal on basalt
1.5					
2					
2.5					
3					
3.5					
4					
4.5					
5					
5.5					
6					
6.5					
7					
7.5					
8					

compassenvironmental

Logged by	: AD
Checked by	: DS
Drilling contractor	: GeoAust
Drilling method	: Auger
Bore diameter	: 100 m
Sampling method	: Grab
Total depth	: 0.8 m

Bore number: B9

Project number	: 1042
Client	: VicUrban
Location	: Taylors Lakes
Date	: 24 May 2010

Depth (m)	Sample ID	PID (ppm)	Graphic log	USCS	Description
0	B9/0.2 (B109/B209) B9/0.5	0.0			SILT: light brown, minor clay inclusions, low to medium plasticity, dry, no odour
.5		0.0			SILTY CLAY: light brown, medium plasticity, dry, no odour
1					Bore terminated at 0.8 m, refusal on basalt
1.5					
2					
2.5					
3					
3.5					
4					
4.5					
5					
5.5					
6					
6.5					
7					
7.5					
8					

compassenvironmental

Logged by	: AD
Checked by	: DS
Drilling contractor	: GeoAust
Drilling method	: Auger
Bore diameter	: 100 m
Sampling method	: Grab
Total depth	: 0.75 m

Bore number: B10

Project number	: 1042
Client	: VicUrban
Location	: Taylors Lakes
Date	: 24 May 2010

Depth (m)	Sample ID	PID (ppm)	Graphic log	USCS	Description
0	B10/0.2 (B110/B210) B10/0.5	0.0			SILTY CLAY: brown, organic matter, low plasticity, dry, no odour
.5		0.0			SILTY CLAY: brown, minor basalt fragments < 4 mm, medium plasticity, dry to moist, no odour
					Bore terminated at 0.8 m, refusal on basalt
1					
1.5					
2					
2.5					
3					
3.5					
4					
4.5					
5					
5.5					
6					
6.5					
7					
7.5					
8					

compassenvironmental

Logged by	: AD
Checked by	: DS
Drilling contractor	: GeoAust
Drilling method	: Auger
Bore diameter	: 100 m
Sampling method	: Grab
Total depth	: 3.5 m

Bore number: B11

Project number	: 1042
Client	: VicUrban
Location	: Taylors Lakes
Date	: 24 May 2010

Depth (m)	Sample ID	PID (ppm)	Graphic log	USCS	Description
0	B11/0.1-0.2	0.0			CLAYEY SILT: brown, minor organic matter, low plasticity, dry to moist, no odour
.5	B11/0.5	0.0			SILTY CLAY: brown, minor organic matter, low plasticity, dry to moist, no odour
1	B11/1.0 (B111/B211)	0.0			Highly carbonated
1.5					SILTY CLAY: grey brown, occassional calcium carbonate mottles, medium plasticity, moist, no odour
2	B11/2.0	0.0			
2.5					
3	B11/3.0	0.0			
3.5					Bore terminated at 3.5 m, refusal on basalt
4					
4.5					
5					
5.5					
6					
6.5					
7					
7.5					
8					

APPENDIX J
Laboratory Reports

10 - 21989.

compassenvironmental

Compass Environmental Pty Ltd
Suite 6, 5 Rose Street Hawthorn East VIC 3123
Tel: 03 9819 4704 Fax: 03 9819 4724

CHAIN OF CUSTODY RECORD
Reference: 1042-940

Project Number: 1042
Project Location: TAYLORS LAKES
Project Manager: AO
Contact: laboratory@compassenviro.com.au

Laboratory: ALS - Address: Caribbean Business Park, 22 Dalmore Drive, Scoresby
Phone No: 8756 8130 Fax: 9545 5413
Lab Quote Number: 2008 - 569a TN

Turnaround Time: ☐ 1 day ☐ 2 days ☐ 3 days ☑ 5 days

Sample ID	Laboratory No.	Date Sampled	Composites	Sample Type*	Preservative*	Number of Containers	Analysis Requested: EPA Screen Table 2	Metal screen (see below)	PAH	TPH	pH	OCP	Sulphate
B1/0.2	22001981	24.5.10		1	ICE	1							
B1/0.5	22001991							✓	✓	✓			
B2/0.4	22001201							✓	✓	✓			
B2/1.0	01							✓					
B2/2.0	02												
B2/3.0	03												
B3/0.2	04										✓		✓
B3/0.5	05							✓					
B3/1.0	06												
B3/2.0	07												
B4/0.2	08							✓				✓	
B4/0.5	09							✓					
B4/1.0	10	↓	↓	↓	↓	↓							

Analysis comments: Metal sceen: Sb, B, Ba, Be, As, Cd, Cr, Co, Cu, Hg, Mo, Mn, Pb, Ni, Sn, Se, Ag, V, Zn.
Phenols: halogenated and non-halogenated

* KEY: Preservative: 1 = NaOH; 2 = HNO3; 3 = H2SO4; 4 = NaOH + ZnOAC; 5 = None; 6 = Other
Sample type: 1 = Soil; 2 = Water; 3 = Product; 4 = Waste Water; 5 = Other

Relinquished by: O'DONELL	Received by: Lavine	Relinquished by:	Received by: ALS
Signature:	Signature: A. Burger	Signature:	Signature:
Company: COMPASS	Company: ALS	Company:	Company: ALS WRG
Date/time: 25.5.10 @ 11.30AM	Date/time 25-5-2010 11-30	Date/time:	Date/time 25/5/10 12:30

PLEASE SIGN AND FAX/EMAIL TO COMPASS ENVIRONMENTAL UPON RECEIPT

compassenvironmental

Compass Environmental Pty Ltd
Suite 6, 5 Rose Street Hawthorn East VIC 3123
Tel: 03 9819 4704 Fax: 03 9819 4724

CHAIN OF CUSTODY RECORD
Reference: 1042-940

Project Number: 1042	Laboratory: ALS - Address: Caribbean
Project Location: TAYLORS LAKES	Business Park, 22 Dalmore Drive, Scoresby
Project Manager: AO	Phone No: 8756 8130 Fax: 9545 5413
Contact: laboratory@compassenviro.com.au	Lab Quote Number: 2008 - 569a TN

Turnaround Time: ☐ 1 day ☐ 2 days ☐ 3 days ☑ 5 days

Sample ID	Laboratory No.	Date Sampled	Composites	Sample Type*	Preservative*	Number of Containers	Analysis Requested: EPA Screen Table 2	Metal screen (see below)	PAH	TPH	pH	OCP	Sulphate
B4/1.9	ES1002111	24.5.10		1	ICE	1							
B5/0.2	12							✓					
B5/0.5	13										✓		
B5/1.0	14												
B6/0.2	15												
B6/0.5	16												
B6/1.0	17							✓					
B6/2.0	18												
B6/3.0	19												
B6/4.1	20												
B7/0.1-0.2	21							✓				✓	
B7/0.5	22												
B7/1.0	23												
B8/0.2	24	↓		↓	↓	↓		✓					

Analysis comments: Metal sceen: Sb, B, Ba, Be, As, Cd, Cr, Co, Cu, Hg, Mo, Mn, Pb, Ni, Sn, Se, Ag, V, Zn.
Phenols: halogenated and non-halogenated

* KEY: Preservative: 1 = NaOH; 2 = HNO3; 3 = H2SO4; 4 = NaOH + ZnOAC; 5 = None; 6 = Other
Sample type: 1 = Soil; 2 = Water; 3 = Product; 4 = Waste Water; 5 = Other

Relinquished by: BONELLE	Received by: Kayice	Relinquished by:	Received by:
Signature:	Signature: A Burger	Signature:	Signature:
Company: COMPASS	Company: ALS	Company:	Company:
Date/time: 25.5.10 @ 11-30AM.	Date/time 25-5-2010 11-30	Date/time:	Date/time

PLEASE SIGN AND FAX/EMAIL TO COMPASS ENVIRONMENTAL UPON RECEIPT

compassenvironmental

Compass Environmental Pty Ltd
Suite 6, 5 Rose Street Hawthorn East VIC 3123
Tel: 03 9819 4704 Fax: 03 9819 4724

CHAIN OF CUSTODY RECORD

Reference: 1042-940

Project Number: 1042	Laboratory: ALS - Address: Caribbean	Turnaround Time:	☐ 1 day ☐ 2 days ☐ 3 days ☑ 5 days
Project Location: TAYLORS LAKES	Business Park, 22 Dalmore Drive, Scoresby		
Project Manager: AO	Phone No: 8756 8130 Fax: 9545 5413		
Contact: laboratory@compassenviro.com.au	Lab Quote Number: 2008 - 569a TN		

Sample ID	Laboratory No.	Date Sampled	Composites	Sample Type*	Preservative*	Number of Containers	Analysis Requested: EPA Screen Table 2	Metal screen (see below)	PAH	TPH	pH	OCP	Sulphate								
B8/0.5	12007245.10			1	ICE	1					✓		✓								
B9/0.2	26							✓				✓									
B9/0.5	27																				
B10/0.2	28						✓														
B10/0.5	29																				
B11/0.1-0.2	30																				
B11/0.5	31							✓													
B11/1.0	32																				
B11/2.0	33																				
B11/3.0	34																				
B102/2.0	35																				
B104/0.2	36																				
B105/0.5	37										✓										
B106/1.0	38	✓		✓	✓	✓															

Analysis comments: Metal sceen: Sb, B, Ba, Be, As, Cd, Cr, Co, Cu, Hg, Mo, Mn, Pb, Ni, Sn, Se, Ag, V, Zn.

Phenols: halogenated and non-halogenated

* KEY: Preservative: 1 = NaOH; 2 = HNO3; 3 = H2SO4; 4 = NaOH + ZnOAC; 5 = None; 6 = Other

Sample type: 1 = Soil; 2 = Water; 3 = Product; 4 = Waste Water; 5 = Other

Relinquished by: BONELL	Received by: Louise	Relinquished by:	Received by:
Signature:	Signature: L. Burger	Signature:	Signature:
Company: COMPASS	Company: ALS	Company:	Company:
Date/time: 25.5.10 @ 11.30AM	Date/time 25-5-2010 11:30	Date/time:	Date/time

PLEASE SIGN AND FAX/EMAIL TO COMPASS ENVIRONMENTAL UPON RECEIPT

compassenvironmental

Compass Environmental Pty Ltd
Suite 6, 5 Rose Street Hawthorn East VIC 3123
Tel: 03 9819 4704 Fax: 03 9819 4724

CHAIN OF CUSTODY RECORD

Reference: 1042-940

Project Number: 1042	Laboratory: **ALS** - Address: Caribbean	Turnaround Time:	☐ 1 day ☐ 2 days ☐ 3 days ☑ 5 days
Project Location: TAYLORS LAKES	Business Park, 22 Dalmore Drive, Scoresby		
Project Manager: AD	Phone No: 8756 8130 Fax: 9545 5413		
Contact: laboratory@compassenviro.com.au	Lab Quote Number: 2008 - 569a TN		

Analysis Requested

Sample ID	Laboratory No.	Date Sampled	Composites	Sample Type*	Preservative*	Number of Containers	EPA Screen Table 2	Metal screen (see below)	PAH	TPH	pH	OCP	Sulphate							
B107/1.0	2200239	24.5.10		1	ICE	1														
B108/0.5	40	↓		↓	↓	↓														
B109/0.2	41											✓								
B110/0.2	42							✓	✓	✓										
B111/1.0	43																			
SS1	44							✓												
SS3	45	↓		↓	↓	↓		✓	✓	✓										
	~~46~~																			
	~~47~~																			
	~~48~~																			

Analysis comments: Metal sceen: Sb, B, Ba, Be, As, Cd, Cr, Co, Cu, Hg, Mo, Mn, Pb, Ni, Sn, Se, Ag, V, Zn.

Phenols: halogenated and non-halogenated

* KEY:
Preservative: 1 = NaOH; 2 = HNO3; 3 = H2SO4; 4 = NaOH + ZnOAC; 5 = None; 6 = Other
Sample type: 1 = Soil; 2 = Water; 3 = Product; 4 = Waste Water; 5 = Other

Relinquished by: G ONEILL	Received by: Lauine	Relinquished by:	Received by:
Signature: G	Signature: L Burger	Signature:	Signature:
Company: COMPASS	Company: ALS	Company:	Company:
Date/time: 25.5.10 @ 11.30AM	Date/time 25-5-2010 11:30	Date/time:	Date/time

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COCform Rev.4 11 August 2009

Shared Work:Templates:Administration Forms:COCFORM ALS SOIL 2009.xls

Environmental Division (Water Resources Group)

Certificate of Analysis

Batch No:	**10-21989**	*Page*	Page 1 of 15
Final Report	162427	*Laboratory*	Scoresby Laboratory
		Address	Caribbean Business Park, 22 Dalmore Drive, Scoresby, VIC 3179
Client:	**Compass Environmental**	*Phone*	03 8756 8000
		Fax	03 9763 1862
Contact:	**Margaret Mazur**	Contact:	Tuyen Nguyen Client Manager
Address:	Suite 6 5 Rose Street HAWTHORN EAST VIC 3123		Tuyen.Nguyen@alsglobal.com
Client Program Ref:	**1042-940**	Date Sampled:	24-May-2010
ALS Program Ref:	**COMPASSMISC**	Date Samples Received:	25-May-2010
PO No:	**1042-940**	*Date Issued:*	**01-Jun-2010**

The sample(s) referred to in this report were analysed by the following method(s):
- NATA accreditation does not cover the performance of this service

Analysis	*Method*	*Laboratory*	*Analysis*	*Method*	*Laboratory*	*Analysis*	*Method*	*Laboratory*
CHC	WSL 8210 B (HCCP not NATA)	Melbourne	**Cyanide**	APHA 4120 B	Melbourne	**Tot Fluoride**	NEPM 404	Melbourne
HVOL	VIC-CM047	Melbourne	**MAH**	VIC-CM047	Melbourne	**MS Total Metals**	WSL 032	Melbourne
OCP	WSL 8080B	Melbourne	**PAH**	WSL 8100B	Melbourne	**PCB**	WSL 8080B	Melbourne
pH	WSL 062	Melbourne	**Phenols(Halo)**	CM8040D	Melbourne	**Phenols(NonHalo)**	CM8040D	Melbourne
SO4	VIC-CM033	Melbourne	**Total Cr 6+**	EPA 3060A	Melbourne	**TPH**	VIC-CM030	Melbourne

Total PAH's refers only to the sum of the positive individual PAH's tested above.

Total PCB's refers only to the sum of the positive Aroclors® tested above.

NATA No. 992

This document is issued in accordance with NATA's accreditation requirements.

Accredited for compliance with ISO/IEC 17025.

Signatories

These results have been electronically signed by the authorised signatories indicated below. Electronic signing has been carried out in compliance with procedures specified in 21 CFR Part 11

Name	*Title*	*Name*	*Title*
Dennis Carty	**Senior Chemist**	**Hao Zhang**	**Principal Organic Chemist**
John Earl	**Team Leader - Metals**	**Kosta Christopoulos**	**Chemist/Analyst**
Michael Clahsen	**Principal Inorganic Chemist**		

Batch No: **10-21989**
Report Number: **162427**
Client: **Compass Environmental**
Client Program Ref: **1042-940**

Soil Analysis

Sample	Sampled Date	Your Ref	Component: / Units: / Sample Type	pH pH Units	Tot Fluoride Total Fluoride mg/kg	Cyanide Cn mg/kg	SO4 SO4 mg/kg	Total Cr 6+ Total Cr6+ mg/kg
2200204	24-05-10	B3/0.2	SOIL	7.5			660	
2200213	24-05-10	B5/0.5	SOIL	7.7				
2200225	24-05-10	B8/0.5	SOIL	8.4			620	
2200228	24-05-10	B10/0.2	SOIL		270	<5		<1
2200237	24-05-10	B105/0.5	SOIL	7.7				

Soil Metals

Sample	Sampled Date	Your Ref	Component: / Units: / Sample Type	MS Total Metals Sb mg/kg	MS Total Metals As mg/kg	MS Total Metals Ba mg/kg	MS Total Metals Be mg/kg	MS Total Metals B mg/kg	MS Total Metals Cd mg/kg	MS Total Metals Cr mg/kg	MS Total Metals Co mg/kg	MS Total Metals Cu mg/kg
2200199	24-05-10	B1/0.5	SOIL	<5	<5	130	<5	<10	<0.2	23	10	7
2200200	24-05-10	B2/0.4	SOIL	<5	<5	480	<5	<10	<0.2	29	18	9
2200201	24-05-10	B2/1.0	SOIL	<5	<5	87	<5	<10	<0.2	16	10	<5
2200205	24-05-10	B3/0.5	SOIL	<5	<5	280	<5	<10	<0.2	22	13	7
2200208	24-05-10	B4/0.2	SOIL	<5	<5	42	<5	<10	<0.2	29	11	9
2200209	24-05-10	B4/0.5	SOIL	<5	<5	320	<5	<10	<0.2	22	11	6
2200212	24-05-10	B5/0.2	SOIL	<5	<5	51	<5	<10	<0.2	20	10	9
2200217	24-05-10	B6/1.0	SOIL	<5	<5	770	<5	<10	<0.2	14	9	<5
2200221	24-05-10	B7/0.1-0.2	SOIL	<5	<5	36	<5	<10	<0.2	31	12	10
2200224	24-05-10	B8/0.2	SOIL	<5	<5	51	<5	<10	<0.2	30	15	9
2200226	24-05-10	B9/0.2	SOIL	<5	<5	37	<5	<10	<0.2	18	16	<5
2200228	24-05-10	B10/0.2	SOIL		<5				<0.2			8
2200231	24-05-10	B11/0.5	SOIL	<5	<5	250	<5	<10	<0.2	19	11	6
2200242	24-05-10	B110/0.2	SOIL	<5	<5	40	<5	<10	<0.2	32	25	9
2200244	24-05-10	SS1	SOIL	<5	<5	66	<5	<10	<0.2	28	13	8
2200245	24-05-10	SS3	SOIL	<5	<5	45	<5	<10	0.5	23	9	8

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise. Microbiological testing was commenced within 24 hours of sampling unless otherwise stated. VIC-MM524: Plate count results <30 per mL and >300 per mL are deemed as approximate. VIC-MM526: Plate count results > 300,000 per mL are deemed as approximate.

Batch No: **10-21989**
Report Number: **162427**
Client: **Compass Environmental**
Client Program Ref: **1042-940**

Soil Metals

Sample	Sampled Date	Your Ref	Analysis: / Component: / Units: / Sample Type	MS Total Metals Pb mg/kg	MS Total Metals Mn mg/kg	MS Total Metals Hg mg/kg	MS Total Metals Mo mg/kg	MS Total Metals Ni mg/kg	MS Total Metals Se mg/kg	MS Total Metals Ag mg/kg	MS Total Metals Sn mg/kg	MS Total Metals V mg/kg
2200199	24-05-10	B1/0.5	SOIL	9	250	0.06	<5	21	<5	<5	<5	34
2200200	24-05-10	B2/0.4	SOIL	11	590	<0.05	<5	28	<5	<5	<5	49
2200201	24-05-10	B2/1.0	SOIL	8	190	<0.05	<5	10	<5	<5	<5	31
2200205	24-05-10	B3/0.5	SOIL	11	360	<0.05	<5	26	<5	<5	<5	37
2200208	24-05-10	B4/0.2	SOIL	12	410	<0.05	<5	18	<5	<5	<5	47
2200209	24-05-10	B4/0.5	SOIL	9	370	<0.05	<5	23	<5	<5	<5	35
2200212	24-05-10	B5/0.2	SOIL	13	270	<0.05	<5	17	<5	<5	<5	37
2200217	24-05-10	B6/1.0	SOIL	10	200	<0.05	<5	16	6	<5	<5	25
2200221	24-05-10	B7/0.1-0.2	SOIL	13	250	<0.05	<5	13	<5	<5	<5	47
2200224	24-05-10	B8/0.2	SOIL	15	430	<0.05	<5	15	<5	<5	<5	52
2200226	24-05-10	B9/0.2	SOIL	11	490	<0.05	<5	6	<5	<5	<5	45
2200228	24-05-10	B10/0.2	SOIL	11		<0.05	<5	8	<5	<5	<5	
2200231	24-05-10	B11/0.5	SOIL	10	290	<0.05	<5	21	<5	<5	<5	34
2200242	24-05-10	B110/0.2	SOIL	18	600	<0.05	<5	10	<5	<5	<5	55
2200244	24-05-10	SS1	SOIL	15	390	<0.05	<5	14	<5	<5	<5	50
2200245	24-05-10	SS3	SOIL	23	310	<0.05	<5	6	<5	<5	<5	41

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise. Microbiological testing was commenced within 24 hours of sampling unless otherwise stated. VIC-MM524: Plate count results <30 per mL and >300 per mL are deemed as approximate. VIC-MM526: Plate count results > 300,000 per mL are deemed as approximate.

Soil Metals

Sample	Sampled Date	Your Ref	Analysis:	MS Total Metals
			Component:	Zn
			Units:	mg/kg
			Sample Type	
2200199	24-05-10	B1/0.5	SOIL	6
2200200	24-05-10	B2/0.4	SOIL	13
2200201	24-05-10	B2/1.0	SOIL	<5
2200205	24-05-10	B3/0.5	SOIL	9
2200208	24-05-10	B4/0.2	SOIL	9
2200209	24-05-10	B4/0.5	SOIL	8
2200212	24-05-10	B5/0.2	SOIL	19
2200217	24-05-10	B6/1.0	SOIL	5
2200221	24-05-10	B7/0.1-0.2	SOIL	8
2200224	24-05-10	B8/0.2	SOIL	10
2200226	24-05-10	B9/0.2	SOIL	<5
2200228	24-05-10	B10/0.2	SOIL	14
2200231	24-05-10	B11/0.5	SOIL	7
2200242	24-05-10	B110/0.2	SOIL	22
2200244	24-05-10	SS1	SOIL	15
2200245	24-05-10	SS3	SOIL	120

Soil MAH

Sample	Sampled Date	Your Ref	Analysis:	MAH	MAH	MAH	MAH	MAH	MAH	MAH
			Component:	BENZ	TOLUENE	ETHBENZ	XYLENE	STYRENE	CUMENE	124TMBEN
			Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Type							
2200228	24-05-10	B10/0.2	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Soil TPH

Sample	Sampled Date	Your Ref	Analysis:	TPH	TPH	TPH	TPH
			Component:	TPHC6+	TPHC10+	TPHC15+	TPHC29+
			Units:	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Type				
2200199	24-05-10	B1/0.5	SOIL	<20	<20	<50	<50
2200200	24-05-10	B2/0.4	SOIL	<20	<20	<50	<50
2200228	24-05-10	B10/0.2	SOIL	<20	<20	<50	<50
2200242	24-05-10	B110/0.2	SOIL	<20	<20	<50	64
2200245	24-05-10	SS3	SOIL	<20	<20	<50	60

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise. Microbiological testing was commenced within 24 hours of sampling unless otherwise stated. VIC-MM524: Plate count results <30 per mL and >300 per mL are deemed as approximate. VIC-MM526: Plate count results > 300,000 per mL are deemed as approximate.

Soil PAH

Sample	Sampled Date	Your Ref	Sample Type	Analysis:	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH
				Component:	ACE	ACY	ANT	BAA	BAP	BBF	BGP	BKF	CHR
				Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
2200199	24-05-10	B1/0.5	SOIL		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2200200	24-05-10	B2/0.4	SOIL		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2200228	24-05-10	B10/0.2	SOIL		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2200242	24-05-10	B110/0.2	SOIL		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2200245	24-05-10	SS3	SOIL		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Soil PAH

Sample	Sampled Date	Your Ref	Sample Type	Analysis:	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH
				Component:	DBA	FLA	FLU	IPY	NAP	PHE	PYR	TOTPAHs
				Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
2200199	24-05-10	B1/0.5	SOIL		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2200200	24-05-10	B2/0.4	SOIL		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2200228	24-05-10	B10/0.2	SOIL		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2200242	24-05-10	B110/0.2	SOIL		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2200245	24-05-10	SS3	SOIL		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Soil O.C. Pesticides

Sample	Sampled Date	Your Ref	Sample Type	Analysis:	OCP	OCP	OCP	OCP	OCP	OCP	OCP	OCP	OCP
				Component:	ABHC	AENDOSUL	ALDR	BBHC	BENDOSUL	cis-Chlordane	trans-Chlordane	DBHC	DDD
				Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
2200208	24-05-10	B4/0.2	SOIL		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2200221	24-05-10	B7/0.1-0.2	SOIL		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2200226	24-05-10	B9/0.2	SOIL		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2200228	24-05-10	B10/0.2	SOIL		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2200241	24-05-10	B109/0.2	SOIL		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Batch No: **10-21989**
Report Number: **162427**
Client: **Compass Environmental**
Client Program Ref: **1042-940**

Soil O.C. Pesticides

Sample	Sampled Date	Your Ref	Analysis:	OCP	OCP	OCP	OCP	OCP	OCP	OCP	OCP	OCP
			Component:	DDE	DDT	DIEL	ENDOS	ENDR	ENDRALD	ENDRKET	HCB	HEPEP
			Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Type									
2200208	24-05-10	B4/0.2	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2200221	24-05-10	B7/0.1-0.2	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2200226	24-05-10	B9/0.2	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2200228	24-05-10	B10/0.2	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2200241	24-05-10	B109/0.2	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Soil O.C. Pesticides

Sample	Sampled Date	Your Ref	Analysis:	OCP	OCP	OCP
			Component:	HEPT	LIND	METHOX
			Units:	mg/kg	mg/kg	mg/kg
			Sample Type			
2200208	24-05-10	B4/0.2	SOIL	<0.05	<0.05	<0.05
2200221	24-05-10	B7/0.1-0.2	SOIL	<0.05	<0.05	<0.05
2200226	24-05-10	B9/0.2	SOIL	<0.05	<0.05	<0.05
2200228	24-05-10	B10/0.2	SOIL	<0.05	<0.05	<0.05
2200241	24-05-10	B109/0.2	SOIL	<0.05	<0.05	<0.05

Soil PCBs

Sample	Sampled Date	Your Ref	Analysis:	PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB
			Component:	1016ARCL	1221ARCL	1232ARCL	1242ARCL	1248ARCL	1254ARCL	1260ARCL	TOTPCB
			Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Type								
2200228	24-05-10	B10/0.2	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Soil CHCs

Sample	Sampled Date	Your Ref	Analysis:	CHC	CHC	CHC	CHC	CHC	CHC	CHC	CHC	CHC
			Component:	1234TCB	1235TCB	123TCB	1245TCB	124TCB	12DCB	135TCB	13DCB	14DCB
			Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Type									
2200228	24-05-10	B10/0.2	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise. Microbiological testing was commenced within 24 hours of sampling unless otherwise stated. VIC-MM524: Plate count results <30 per mL and >300 per mL are deemed as approximate. VIC-MM526: Plate count results > 300,000 per mL are deemed as approximate.

Batch No: **10-21989**
Report Number: **162427**
Client: **Compass Environmental**
Client Program Ref: **1042-940**

Soil CHCs

Sample	Sampled Date	Your Ref	Analysis:	CHC	CHC	CHC	CHC	CHC	CHC	CHC	CHC
			Component:	2CLNAPHT	BENZALCL	BENZTCL	BENZYLCL	HEXCLANE	HEXCLBUT	HEXCLCYP	PENTCLBE
			Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Type								
2200228	24-05-10	B10/0.2	SOIL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Phenols (Halogenated)

Sample	Sampled Date	Your Ref	Analysis:	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)
			Component:	4Chlor3MethylPhnl	2-ChloroPhenol	24DiChloroPhenol	2,6DiChloroPhenol	PentaChlorPhenol	2345TetraChloPhnl	2346TetraChloPhnl	2356TetraChloPhnl	245TriChlorPhenol
			Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Type									
2200228	24-05-10	B10/0.2	SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Phenols (Halogenated)

Sample	Sampled Date	Your Ref	Analysis:	Phenols(Halo)	Phenols(Halo)
			Component:	246TriChlorPhenol	Total Phenols (Halo)
			Units:	mg/kg	mg/kg
			Sample Type		
2200228	24-05-10	B10/0.2	SOIL	<0.5	<0.5

Phenols (Non Halogenated)

Sample	Sampled Date	Your Ref	Analysis:	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)
			Component:	Phenol	Total Cresols	2,4DiMethylPhenol	2,4-Dinitrophenol	2Mthyl46DiNitrPhnl	2-NitroPhenol	4-NitroPhenol	2CyHxl46DiNitPhnl	Dinoseb
			Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
			Sample Type									
2200228	24-05-10	B10/0.2	SOIL	<0.5	<1	<0.5	<30	<10	<0.5	<0.5	<30	<10

Phenols (Non Halogenated)

Sample	Sampled Date	Your Ref	Analysis:	Phenols(NonHalo)
			Component:	Total Phenols(NonH)
			Units:	mg/kg
			Sample Type	
2200228	24-05-10	B10/0.2	SOIL	<30

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise. Microbiological testing was commenced within 24 hours of sampling unless otherwise stated. VIC-MM524: Plate count results <30 per mL and >300 per mL are deemed as approximate. VIC-MM526: Plate count results > 300,000 per mL are deemed as approximate.

Soil Halo. Volatiles

Sample	Sampled Date	Your Ref	Analysis:	Component: / Units: / Sample Type	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL
					1112TetraClEthane mg/kg	1122TetraClEthane mg/kg	1,1DiChloroEthane mg/kg	1,1DiChloroEthene mg/kg	11DiChlorPropene mg/kg	123TriChlPropane mg/kg	12DiBr3ChlPrpane mg/kg	12DiChlorEthene[c] mg/kg	12DiChlorEthene[t] mg/kg
2200228	24-05-10	B10/0.2		SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Soil Halo. Volatiles

Sample	Sampled Date	Your Ref	Analysis:	Component: / Units: / Sample Type	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL
					12DiChloroEthane mg/kg	12 DiChloPropane mg/kg	13DiChlorPropane mg/kg	13DiChlPropene[c] mg/kg	13DiChlPropene[t] mg/kg	22DiChlorPropane mg/kg	2-ChloroToluene mg/kg	4-ChloroToluene mg/kg	BromChloMethane mg/kg
2200228	24-05-10	B10/0.2		SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Soil Halo. Volatiles

Sample	Sampled Date	Your Ref	Analysis:	Component: / Units: / Sample Type	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL
					BroDiChloMethane mg/kg	BromoBenzene mg/kg	Bromoform mg/kg	CarbonTetChloride mg/kg	Chloroform mg/kg	ChloroBenzene mg/kg	DiBroChloMethane mg/kg	DiBromoMethane mg/kg	12DiBromoEthane mg/kg
2200228	24-05-10	B10/0.2		SOIL	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Soil Halo. Volatiles

Sample	Sampled Date	Your Ref	Analysis:	Component: / Units: / Sample Type	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL
					DiChloroMethane mg/kg	TriChloFluMethane mg/kg	TetraChloroEthene mg/kg	Vinyl Chloride mg/kg	111TriChlorEthane mg/kg	112TriChlorEthane mg/kg	TriChloroEthene mg/kg
2200228	24-05-10	B10/0.2		SOIL	<1	<2	<0.5	<1	<0.5	<0.5	<0.5

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise. Microbiological testing was commenced within 24 hours of sampling unless otherwise stated. VIC-MM524: Plate count results <30 per mL and >300 per mL are deemed as approximate. VIC-MM526: Plate count results > 300,000 per mL are deemed as approximate.

Quality Control

Soil CHCs

		CHC	CHC	CHC	CHC	CHC	CHC	CHC	CHC	CHC
		1234TCB	1235TCB	123TCB	1245TCB	124TCB	12DCB	135TCB	13DCB	14DCB
2201502 DUPLICATE	Sample Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2201502 DUPLICATE	Duplicate Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2201502 DUPLICATE	**% RPD**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
2201502 SPIKE	Sample Value	<0.1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2201502 SPIKE	Expected Value	1.3		1.3	2.7	1.3	1.3	1.3	1.3	1.3
2201502 SPIKE	**% Recovery**	**108**		**98.0**	**109**	**96.0**	**98.0**	**98.0**	**90.0**	**96.0**
2205500 BLANK	Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Soil CHCs

		CHC	CHC	CHC	CHC	CHC	CHC	CHC	CHC
		2CLNAPHT	BENZALCL	BENZTCL	BENZYLCL	HEXCLANE	HEXCLBUT	HEXCLCYP	PENTCLBE
2201502 DUPLICATE	Sample Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2201502 DUPLICATE	Duplicate Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2201502 DUPLICATE	**% RPD**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
2201502 SPIKE	Sample Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2201502 SPIKE	Expected Value	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2201502 SPIKE	**% Recovery**	**104**	**98.0**	**90.0**	**92.0**	**96.0**	**98.0**	**76.0**	**110**
2205500 BLANK	Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Soil Halo. Volatiles

		HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL
		1112TetraClEthane	1122TetraClEthane	1,1DiChloroEthane	1,1DiChloroEthene	11DiChlorPropene	123TriChlPropane	12DiBr3ChlPrpane	12DiChlorEthene[c]	12DiChlorEthene[t]
2200313 DUPLICATE	Sample Value	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2200313 DUPLICATE	Duplicate Value	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2200313 DUPLICATE	**% RPD**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
2201656 SPIKE	Sample Value	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5
2201656 SPIKE	Expected Value	4.4	4.4	4.4	4.4	4.4	4.4		4.4	4.4
2201656 SPIKE	**% Recovery**	**73.3**	**88.6**	**94.6**	**86.3**	**94.0**	**92.4**		**90.8**	**92.4**
2203798 BLANK	Value	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Soil Halo. Volatiles

		HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL
		12DiChloroEthane	12 DiChloPropane	13DiChlorPropane	13DiChlPropene[c]	13DiChlPropene[t]	22DiChlorPropane	2-ChloroToluene	4-ChloroToluene	BromChloMethane
2200313 DUPLICATE	Sample Value	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2200313 DUPLICATE	Duplicate Value	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2200313 DUPLICATE	**% RPD**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
2201656 SPIKE	Sample Value	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<0.5

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise. Microbiological testing was commenced within 24 hours of sampling unless otherwise stated. VIC-MM524: Plate count results <30 per mL and >300 per mL are deemed as approximate. VIC-MM526: Plate count results > 300,000 per mL are deemed as approximate.

		HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL
		12DiChloroEthane	12 DiChloPropane	13DiChlorPropane	13DiChlPropene[c]	13DiChlPropene[t]	22DiChlorPropane	2-ChloroToluene	4-ChloroToluene	BromChloMethane
2201656 SPIKE	Expected Value	4.4	4.4	4.4	4.4		4.4	4.4	4.4	4.4
2201656 SPIKE	**% Recovery**	**93.7**	**94.0**	**94.1**	**73.3**		**70.3**	**91.7**	**91.2**	**93.1**
2203798 BLANK	Value	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Soil Halo. Volatiles

		HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL
		BroDiChloMethane	BromoBenzene	Bromoform	CarbonTetChloride	Chloroform	ChloroBenzene	DiBroChloMethane	DiBromoMethane	12DiBromoEthane
2200313 DUPLICATE	Sample Value	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2200313 DUPLICATE	Duplicate Value	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2200313 DUPLICATE	**% RPD**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
2201656 SPIKE	Sample Value	<0.5	<0.5			<0.5	<0.5		<0.5	<0.5
2201656 SPIKE	Expected Value	4.4	4.4			4.4	4.4		4.4	4.4
2201656 SPIKE	**% Recovery**	**71.5**	**90.4**			**92.1**	**95.4**		**90.7**	**89.6**
2203798 BLANK	Value	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Soil Halo. Volatiles

		HVOL	HVOL	HVOL	HVOL	HVOL	HVOL	HVOL
		DiChloroMethane	TriChloFluMethane	TetraChloroEthene	Vinyl Chloride	111TriChlorEthane	112TriChlorEthane	TriChloroEthene
2200313 DUPLICATE	Sample Value	<1	<2	<0.5	<1	<0.5	<0.5	<0.5
2200313 DUPLICATE	Duplicate Value	<1	<2	<0.5	<1	<0.5	<0.5	<0.5
2200313 DUPLICATE	**% RPD**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
2201656 SPIKE	Sample Value	<1	<2	<0.5	<1	<0.5	<0.5	<0.5
2201656 SPIKE	Expected Value	4.4	4.4	4.4	4.4	4.4	4.4	4.4
2201656 SPIKE	**% Recovery**	**97.6**	**76.1**	**94.3**	**83.3**	**75.8**	**92.4**	**92.6**
2203798 BLANK	Value	<1	<2	<0.5	<1	<0.5	<0.5	<0.5

Soil MAH

		MAH	MAH	MAH	MAH	MAH	MAH	MAH
		BENZ	TOLUENE	ETHBENZ	XYLENE	STYRENE	CUMENE	124TMBEN
2198164 SPIKE	Sample Value	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2198164 SPIKE	Expected Value	4.6	4.6	4.6	14	4.6	4.6	4.6
2198164 SPIKE	**% Recovery**	**91.6**	**92.9**	**91.6**	**91.3**	**89.6**	**91.2**	**89.1**
2200313 DUPLICATE	Sample Value	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2200313 DUPLICATE	Duplicate Value	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2200313 DUPLICATE	**% RPD**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
2203807 BLANK	Value	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Soil O.C. Pesticides

		OCP	OCP	OCP	OCP	OCP	OCP	OCP	OCP	OCP
		ABHC	AENDOSUL	ALDR	BBHC	BENDOSUL	cis-Chlordane	trans-Chlordane	DBHC	DDD
2201502 DUPLICATE	Sample Value	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2201502 DUPLICATE	Duplicate Value	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2201502 DUPLICATE	**% RPD**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
2201502 SPIKE	Sample Value	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2201502 SPIKE	Expected Value	2.7	1.3	1.3	2.4	1.3	1.3	1.3	2.7	1.3
2201502 SPIKE	**% Recovery**	**101**	**98.0**	**100**	**95.6**	**96.0**	**100**	**96.0**	**108**	**96.0**
2205494 BLANK	Value	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Soil O.C. Pesticides

		OCP	OCP	OCP	OCP	OCP	OCP	OCP	OCP	OCP
		DDE	DDT	DIEL	ENDOS	ENDR	ENDRALD	ENDRKET	HCB	HEPEP
2201502 DUPLICATE	Sample Value	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2201502 DUPLICATE	Duplicate Value	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2201502 DUPLICATE	**% RPD**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
2201502 SPIKE	Sample Value	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
2201502 SPIKE	Expected Value	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.7	1.3
2201502 SPIKE	**% Recovery**	**98.0**	**94.0**	**98.0**	**96.0**	**98.0**	**90.0**	**96.0**	**98.0**	**98.0**
2205494 BLANK	Value	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Soil O.C. Pesticides

		OCP	OCP	OCP
		HEPT	LIND	METHOX
2201502 DUPLICATE	Sample Value	<0.05	<0.05	<0.05
2201502 DUPLICATE	Duplicate Value	<0.05	<0.05	<0.05
2201502 DUPLICATE	**% RPD**	**0**	**0**	**0**
2201502 SPIKE	Sample Value	<0.05	<0.05	<0.05
2201502 SPIKE	Expected Value	1.3	2.7	1.3
2201502 SPIKE	**% Recovery**	**98.0**	**101**	**94.0**
2205494 BLANK	Value	<0.05	<0.05	<0.05

Soil PAH

		PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH
		ACE	ACY	ANT	BAA	BAP	BBF	BGP	BKF	CHR
2200245 DUPLICATE	Sample Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2200245 DUPLICATE	Duplicate Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2200245 DUPLICATE	**% RPD**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
2200245 SPIKE	Sample Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2200245 SPIKE	Expected Value	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2200245 SPIKE	**% Recovery**	**96.0**	**100**	**96.0**	**98.0**	**98.0**	**98.0**	**98.0**	**98.0**	**102**
2205074 BLANK	Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise. Microbiological testing was commenced within 24 hours of sampling unless otherwise stated. VIC-MM524: Plate count results <30 per mL and >300 per mL are deemed as approximate. VIC-MM526: Plate count results > 300,000 per mL are deemed as approximate.

		PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH
		ACE	ACY	ANT	BAA	BAP	BBF	BGP	BKF	CHR
2201502 DUPLICATE	Sample Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2201502 DUPLICATE	Duplicate Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2201502 DUPLICATE	**% RPD**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
2201502 SPIKE	Sample Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2201502 SPIKE	Expected Value	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2201502 SPIKE	**% Recovery**	**96.0**	**96.0**	**96.0**	**96.0**	**98.0**	**100**	**96.0**	**94.0**	**102**
2205491 BLANK	Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Soil PAH

		PAH	PAH	PAH	PAH	PAH	PAH	PAH	PAH
		DBA	FLA	FLU	IPY	NAP	PHE	PYR	TOTPAHs
2200245 DUPLICATE	Sample Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2200245 DUPLICATE	Duplicate Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2200245 DUPLICATE	**% RPD**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
2200245 SPIKE	Sample Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
2200245 SPIKE	Expected Value	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
2200245 SPIKE	**% Recovery**	**98.0**	**102**	**100**	**98.0**	**100**	**104**	**98.0**	
2205074 BLANK	Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2201502 DUPLICATE	Sample Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2201502 DUPLICATE	Duplicate Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2201502 DUPLICATE	**% RPD**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
2201502 SPIKE	Sample Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
2201502 SPIKE	Expected Value	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
2201502 SPIKE	**% Recovery**	**98.0**	**100**	**100**	**96.0**	**94.0**	**104**	**102**	
2205491 BLANK	Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Soil PCBs

		PCB	PCB	PCB	PCB	PCB	PCB	PCB	PCB
		1016ARCL	1221ARCL	1232ARCL	1242ARCL	1248ARCL	1254ARCL	1260ARCL	TOTPCB
2201502 DUPLICATE	Sample Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2201502 DUPLICATE	Duplicate Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2201502 DUPLICATE	**% RPD**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
2201502 SPIKE	Sample Value	<0.1						<0.1	
2201502 SPIKE	Expected Value	2.4						2.3	
2201502 SPIKE	**% Recovery**	**103**						**100**	
2205497 BLANK	Value	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Phenols (Halogenated)

	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)	Phenols(Halo)
	4Chlor3MethylPhnl	2-ChloroPhenol	24DiChloroPhenol	2,6DiChloroPhenol	PentaChlorPhenol	2345TetraChloPhnl	2346TetraChloPhnl	2356TetraChloPhnl	245TriChlorPhenol
2201502 DUPLICATE Sample Value	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2201502 DUPLICATE Duplicate Value	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2201502 DUPLICATE % RPD	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
2201502 SPIKE Sample Value	<0.5	<0.5	<0.5	<0.5					<0.5
2201502 SPIKE Expected Value	1.3	1.3	1.3	1.3					1.3
2201502 SPIKE % Recovery	**86.0**	**104**	**96.0**	**94.0**					**90.0**
2205740 BLANK Value	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Phenols (Halogenated)

	Phenols(Halo)	Phenols(Halo)
	246TriChlorPhenol	Total Phenols (Halo)
2201502 DUPLICATE Sample Value	<0.5	<0.5
2201502 DUPLICATE Duplicate Value	<0.5	<0.5
2201502 DUPLICATE % RPD	**0**	**0**
2201502 SPIKE Sample Value	<0.5	
2201502 SPIKE Expected Value	1.3	
2201502 SPIKE % Recovery	**72.0**	
2205740 BLANK Value	<0.5	<0.5

Phenols (Non Halogenated)

	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)	Phenols(NonHalo)
	Phenol	Total Cresols	2,4DiMethylPhenol	2,4-Dinitrophenol	2Mthyl46DiNitrPhnl	2-NitroPhenol	4-NitroPhenol	2CyHxl46DiNitPhnl	Dinoseb
2201502 DUPLICATE Sample Value	<0.5	<1	<0.5	<30	<10	<0.5	<0.5	<30	<10
2201502 DUPLICATE Duplicate Value	<0.5	<1	<0.5	<30	<10	<0.5	<0.5	<30	<10
2201502 DUPLICATE % RPD	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
2201502 SPIKE Sample Value	<0.5	<1	<0.5			<0.5	<0.5		
2201502 SPIKE Expected Value	1.3	4.0	1.3			1.3	1.3		
2201502 SPIKE % Recovery	**90.0**	**88.7**	**88.0**			**96.0**	**88.0**		
2205737 BLANK Value	<0.5	<1	<0.5	<30	<10	<0.5	<0.5	<30	<10

Phenols (Non Halogenated)

	Phenols(NonHalo)
	Total Phenols(NonH)
2201502 DUPLICATE Sample Value	<30
2201502 DUPLICATE Duplicate Value	<30
2201502 DUPLICATE % RPD	**0**
2205737 BLANK Value	<30

Batch No: **10-21989**
Report Number: **162427**
Client: **Compass Environmental**
Client Program Ref: **1042-940**

Soil Analysis

		pH	Tot Fluoride	Cyanide	SO4	Total Cr 6+
		pH	Total Fluoride	Cn	SO4	Total Cr6+
2200874 BLANK	Value		<100			
2201280 BLANK	Value	6.5				
2200474 SPIKE	Sample Value					<1
2200474 SPIKE	Expected Value					80
2200474 SPIKE	**% Recovery**					**97.3**
2200474 DUPLICATE	Sample Value					<1
2200474 DUPLICATE	Duplicate Value					<1
2200474 DUPLICATE	**% RPD**					**0**
2198126 SPIKE	Sample Value			<5		
2198126 SPIKE	Expected Value			20		
2198126 SPIKE	**% Recovery**			**104**		
2196781 DUPLICATE	Sample Value			<5		
2196781 DUPLICATE	Duplicate Value			<5		
2196781 DUPLICATE	**% RPD**			**0**		
2200237 DUPLICATE	Sample Value	7.7				
2200237 DUPLICATE	Duplicate Value	8.1				
2200237 DUPLICATE	**% RPD**	**5.5**				
2200228 DUPLICATE	Sample Value		270			
2200228 DUPLICATE	Duplicate Value		260			
2200228 DUPLICATE	**% RPD**		**5.6**			
2200228 SPIKE	Sample Value		270			
2200228 SPIKE	Expected Value		430			
2200228 SPIKE	**% Recovery**		**98.7**			
2196855 SPIKE	Sample Value				330	
2196855 SPIKE	Expected Value				1300	
2196855 SPIKE	**% Recovery**				**101**	
2196781 DUPLICATE	Sample Value				300	
2196781 DUPLICATE	Duplicate Value				300	
2196781 DUPLICATE	**% RPD**				**0.2**	

Soil Metals

		MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals
		Sb	As	Ba	Be	B	Cd	Cr	Co	Cu
2202428 BLANK	Value	<5	<5	<5	<5	<10	<0.2	<5	<5	<5
2200221 DUPLICATE	Sample Value	<5	<5		<5	<10	<0.2	31	12	10
2200221 DUPLICATE	Duplicate Value	<5	<5		<5	<10	<0.2	36	15	12
2200221 DUPLICATE	**% RPD**	**0**	**0**		**0**	**0**	**0**	**15.4**	**23.1**	**16.1**

Samples tested as received. A blank space indicates no test performed. Soil results expressed in mg/kg dry weight unless specified otherwise. Microbiological testing was commenced within 24 hours of sampling unless otherwise stated. VIC-MM524: Plate count results <30 per mL and >300 per mL are deemed as approximate. VIC-MM526: Plate count results > 300,000 per mL are deemed as approximate.

			MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals
			Sb	As	Ba	Be	B	Cd	Cr	Co	Cu
2200221	SPIKE	Sample Value	<5		36			<0.2	31		
2200221	SPIKE	Expected Value	100		130			100	130		
2200221	**SPIKE**	**% Recovery**	**112**		**110**			**111**	**83.5**		

Soil Metals

			MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals	MS Total Metals
			Pb	Mn	Hg	Mo	Ni	Se	Ag	Sn	V
2202428	BLANK	Value	<5	<5	<0.05	<5	<5	<5	<5	<5	<5
2200221	DUPLICATE	Sample Value	13	250	<0.05	<5	13	<5	<5	<5	47
2200221	DUPLICATE	Duplicate Value	16	280	<0.05	<5	16	<5	<5	<5	57
2200221	**DUPLICATE**	**% RPD**	**23.7**	**14.7**	**0**	**0**	**16.6**	**0**	**0**	**0**	**18.4**
2200221	SPIKE	Sample Value	13	250	<0.05	<5	13				
2200221	SPIKE	Expected Value	110	310	1.0	100	110				
2200221	**SPIKE**	**% Recovery**	**105**	**85.9**	**116**	**107**	**81.4**				

Soil Metals

			MS Total Metals
			Zn
2202428	BLANK	Value	<5
2200221	DUPLICATE	Sample Value	8
2200221	DUPLICATE	Duplicate Value	9
2200221	**DUPLICATE**	**% RPD**	**15.8**

Soil TPH

			TPH	TPH	TPH	TPH
			TPHC6+	TPHC10+	TPHC15+	TPHC29+
2201638	DUPLICATE	Sample Value	<20	<20	<50	<50
2201638	DUPLICATE	Duplicate Value	<20	<20	<50	<50
2201638	**DUPLICATE**	**% RPD**	**0**	**0**	**0**	**0**
2201638	SPIKE	Sample Value			<50	
2201638	SPIKE	Expected Value			340	
2201638	**SPIKE**	**% Recovery**			**81.9**	
2203756	BLANK	Value	<20	<20	<50	<50
2201642	DUPLICATE	Sample Value	<20	<20	<50	<50
2201642	DUPLICATE	Duplicate Value	<20	<20	<50	<50
2201642	**DUPLICATE**	**% RPD**	**0**	**0**	**0**	**0**
2203782	BLANK	Value	<20	<20	<50	<50

Courier

compassenvironmental

Compass Environmental Pty Ltd
Suite 6, 5 Rose Street Hawthorn East VIC 3123
Tel: 03 9819 4704 Fax: 03 9819 4724

CHAIN OF CUSTODY RECORD

Reference: 1042-941

Project Number: 1042	Laboratory: MGT	Turnaround Time:	☐ 1 day ☐ 2 days ☐ 3 days ☑ 5 days
Project Location: TAYLORS LAKES	Address: 3 Kingston Town Close, Oakleigh		
Project Manager: AO	Phone No: 9564 7055 Fax: 9564 7190		
Contact: laboratory@compassenviro.com.au	Lab Quote Number: COMPASS090706		

Sample ID	Laboratory No.	Date Sampled	Composites	Sample Type*	Preservative*	Number of Containers	Analysis Requested: EPA Screen Table 2	Metal screen (see below)	PAH	TPH	pH	OCP	Sulphate						Comments
B202/2.0		24.05.10		1	ICE	1													
B204/0.2		↓		↓	↓	↓													
B205/0.5																			
B206/1.0																			
B207/1.0																			
B208/0.5																			
B209/0.2																			
B210/0.2								✓											
B211/1.0		↓		↓	↓	↓													

Analysis comments: Metal screen: Sb, B, Be, As, Cd, Cr, Co, Cu, Hg, Mo, Mn, Pb, Ni, Sn, Se, Ag, V, Zn.

Phenols: halogenated and non-halogenated

MGT Report # 265812

* KEY: Preservative: 1 = NaOH; 2 = HNO3; 3 = H2SO4; 4 = NaOH + ZnOAC; 5 = None; 6 = Other

Sample type: 1 = Soil; 2 = Water; 3 = Product; 4 = Waste Water; 5 = Other

Relinquished by: DANIELLE	Received by: ADRIAN C	Relinquished by: DANIELLE	Received by: MGT - John
Signature:	Signature:	Signature:	Signature:
Company: COMPASS	Company: CIVIC	Company: COMPASS	Company: MGT
Date/time: 25.05.2010 @ 9.35AM	Date/time 9.30 am	Date/time: 25.5.10 @ 11.37am	Date/time 25/5/10 - PM

PLEASE SIGN AND FAX/EMAIL TO COMPASS ENVIRONMENTAL UPON RECEIPT

mgt Environmental

ABN – 50 005 085 521 e.mail : mgt@mgtenv.com.au web : www.mgtenv.com.au

Melbourne
3-5 Kingston Town Close
Oakleigh Vic 3166
Phone : 03 9564 7055
NATA Site # 1254

Sydney
1a Chilvers Rd
Thornleigh NSW 2120
Phone : 02 9484 3300
NATA Site # 18217

Adelaide
140 Richmond Rd
Marleston SA 5033
Phone : 08 8443 4430

CERTIFICATE OF ANALYSIS

Compass Environmental Pty Ltd
Suite 6, 5 Rose St
Hawthorn East
Victoria 3123
Site: TAYLOR LAKES 1042

Order Number:
Date Received: May 25, 2010
Date Sampled: May 24, 2010
Date Reported: Jun 2, 2010
Contact: Grainne O'Neill

Methods

- USEPA 6020 Heavy Metals & USEPA 7470/71 Mercury
- Method 102 - ANZECC - % Moisture

Comments

Notes

Authorised

Report Number: 265812-V1

Michael Wright
Senior Principal Chemist
NATA Signatory

Andrew Thexton
Client Manager
NATA Signatory

Andrew Cook
Chief Inorganic Chemist

GLOSSARY OF TERMS

UNITS

mg/kg	milligrams per Kilogram	**mg/l**	milligrams per litre
ug/l	micrograms per litre	**ppm**	Parts per million
ppb	Parts per billion	**%**	Percentage
org/100ml	Organisms per 100 millilitres	**NTU**	Units

TERMS

Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
LOR	Limit of Reporting.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
LCS	Laboratory Control Sample - reported as percent recovery
CRM	Certified Reference Material - reported as percent recovery
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands. In the case of water samples these are performed on de-ionised water.
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
Batch Duplicate	A second piece of analysis from a sample outside of the clients batch of samples but run within the laboratory batch of analysis.
Batch SPIKE	Spike recovery reported on a sample from outside of the clients batch of samples but run within the laboratory batch of analysis.
USEPA	United States Environment Protection Authority
APHA	American Public Health Association
ASLP	Australian Standard Leaching Procedure (AS4439.3)
TCLP	Toxicity Characteristic Leaching Procedure
COC	Chain of Custody
SRA	Sample Receipt Advice

QC - ACCEPTANCE CRITERIA

RPD Duplicates	Results <10 times the LOR : No Limit Results between 10-20 times LOR : RPD must lie between 0-50% Results >20 times LOR : RPD must lie between 0-20%
LCS Recoveries	Recoveries must lie between 70-130% - Phenols 30-130%
CRM Recoveries	Recoveries must lie between 70-130% - Phenols 30-130%
Method Blanks	Not to exceed LOR
SPIKE Recoveries	Recoveries must lie between 70-130% - Phenols 30-130%
Surrogate Recoveries	Recoveries must lie between 50-150% - Phenols 20-130%

GENERAL COMMENTS

1. All results in this report supersede any previously corresponded results.
2. All soil results are reported on a dry basis.
3. Samples are analysed on an as received basis.

QC DATA GENERAL COMMENTS

1. Where a result is reported as a less than (<), higher than the nominated LOR this is due to either Matrix Interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
2. Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
3. Organochlorine Pesticide analysis - where reporting LCS data, Toxaphene & Chlordane are not added to the LCS.
4. Orgaonchlorine Pesticide analysis - where reporting Spike data, Toxaphene is not added to the Spike.
5. Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
6. Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
7. Polychlorinated Biphenyls are spiked only using Arochlor 1260 in Matrix Spikes and LCS's.
8. For Matrix Spikes and LCS results a dash "-" in the report means that the specific analyte was not added to the QC sample.
9. Duplicate RPD's are calculated from raw analytical data thus it is possible to have two two sets of data below the LOR with a positive RPD - eg: LOR 0.1, Result A = <0.1 (raw data is 0.02) & Result B = <0.1 (raw data is 0.03) resulting in a RPD of 40% calculated from the raw data.

REPORT SPECIFIC NOTES

mgt Environmental

ABN – 50 005 085 521 e.mail : mgt@mgtenv.com.au web : www.mgtenv.com.au

Melbourne
3-5 Kingston Town Close
Oakleigh VIC 3166
Phone : 03 9564 7055
NATA Site # 1254

Sydney
1a Chilvers Rd
Thornleigh NSW 2120
Phone : 02 9484 3300
NATA Site # 18217

Adelaide
140 Richmond Rd
Marleston SA 5033
Phone : 08 8443 4430

Company Name: Compass Environmental Pty Ltd
Address: Suite 6, 5 Rose St
Hawthorn East
Victoria 3123

Order No.:
Report #: 265812
Phone: 9819 4704
Fax: 9819 4724

Received: May 25, 2010 12:00
Due: Jun 1, 2010 04:45
Priority: 5 Day
Contact name: - ALL RESULTS, SRA & COC

Client Job No.: TAYLOR LAKES 1042

mgt Client Manager: Andrew Thexton

Sample Detail					% Moisture	Antimony	Arsenic	Beryllium	Boron	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Mercury	Molybdenum	Nickel	Selenium	Silver	Tin	Vanadium	Zinc
Laboratory where analysis is conducted																							
Melbourne Laboratory - NATA Site #1254					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Sydney Laboratory - NATA Site #18217																							
Sample ID	**Sample Date**	**Sampling Time**	**Matrix**	**LAB ID**																			
B10/0.2	May 24, 2010		Soil	M10-MY12780	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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Oakleigh Vic 3166
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Marleston SA 5033
Phone : 08 8443 4430

Compass Environmental Pty Ltd **Suite 6, 5 Rose St** **Hawthorn East** **Victoria 3123**	**Client Sample ID**		**B210/0.2**
	Lab Number		**O10-MY12780**
	Matrix		**Soil**
	Sample Date		**May 24, 2010**
Analysis Type	**LOR**	**Units**	
% Moisture	0.1	%	12
Heavy Metals			
Antimony	10	mg/kg	< 10
Arsenic	2.0	mg/kg	< 2
Beryllium	2	mg/kg	< 2
Boron	10	mg/kg	< 10
Cadmium	0.5	mg/kg	< 0.5
Chromium	5	mg/kg	38
Cobalt	5	mg/kg	7.4
Copper	5	mg/kg	11
Lead	5	mg/kg	6.0
Manganese	5	mg/kg	440
Molybdenum	10	mg/kg	< 10
Nickel	5	mg/kg	11
Selenium	2	mg/kg	< 2
Silver	5	mg/kg	< 5
Tin	10	mg/kg	< 10
Vanadium	10	mg/kg	45
Zinc	5	mg/kg	15
Mercury	0.1	mg/kg	< 0.1

COMMENTS:

mgt Environmental

ABN – 50 005 085 521 e.mail : mgt@mgtenv.com.au web : www.mgtenv.com.au

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Sydney
1a Chilvers Rd
Thornleigh NSW 2120
Phone : 02 9484 3300
NATA Site # 18217

Adelaide
140 Richmond Rd
Marleston SA 5033
Phone : 08 8443 4430

Compass Environmental Pty Ltd **Suite 6, 5 Rose St** **Hawthorn East** **Victoria 3123**	**Client Sample ID**	**B210/0.2**	**B210/0.2**	**RPD**	**SPIKE**	**LCS**	**Method blank**
	Lab Number	**10-MY12780**	**10-MY12780**	**10-MY12780**	**10-MY12780**	**Batch**	**Batch**
	QA Description		**Duplicate**	**Duplicate % RPD**	**Spike % Recovery**	**% Recovery**	
	Matrix	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**	**Soil**
	Sample Date	**May 24, 2010**	**May 24, 2010**	**May 24, 2010**	**May 24, 2010**	**May 24, 2010**	**May 24, 2010**
Analysis Type	**Units**			% RPD	% Recovery	% Recovery	mg/L
Heavy Metals		Batch	Batch	Batch	Batch		
Antimony		-	-	3.6	88	88	< 10
Arsenic		-	-	23	90	84	< 2
Beryllium		-	-	2.4	92	97	< 2
Boron		-	-	3.8	87	86	< 10
Cadmium		-	-	5.6	97	94	< 1
Chromium		-	-	2.9	82	94	< 5
Cobalt		-	-	3.5	76	89	< 5
Copper		-	-	7.0	85	108	< 5
Lead		-	-	30	79	90	< 5
Manganese		-	-	1.8	87	102	< 5
Mercury		-	-	10	80	85	< 0.1
Molybdenum		-	-	14	85	91	< 10
Nickel		-	-	2.0	77	92	< 5
Selenium		-	-	< 1	77	83	< 5
Silver		-	-	< 1	81	95	< 5
Tin		-	-	28	79	88	< 10
Vanadium		-	-	3.0	94	95	< 10
Zinc		-	-	27	77	85	< 5

COMMENTS:

compassenvironmental

Compass Environmental Pty Ltd
Suite 6, 5 Rose Street Hawthorn East VIC 3123
Tel: 03 9819 4704 Fax: 03 9819 4724

ENTERED Date 26 By CD

CHAIN OF CUSTODY RECORD

Reference: 1042-942

Project Number: 1042	Laboratory: ASET Address: Suite 7,	Turnaround Time:	☐ 1 day ☐ 2 days ☐ 3 days ☑ 5 days
Project Location: TAYLORS LAKES	70 Kingsway, Glen Waverley VIC 3150		
Project Manager: AO.	Phone No: 95747647 Fax: 9574 9647		
Contact: laboratory@compassenviro.com.au	Lab Quote Number:		

Sample ID	Laboratory No.	Date Sampled	Composites	Sample Type*	Preservative*	Number of Containers	Analysis Requested: Asbestos (quantitatively)	Comments
B.2/0.2A		24.05.10		1	ICE	1	✓	
B10/0.2A		↓		↓	↓	↓	✓	
SS 2A		↓		↓	↓	↓	✓	
SS 4A		↓		↓	↓	↓	✓	

Analysis comments:

* KEY: Preservative: 1 = NaOH; 2 = HNO_3; 3 = H_2SO_4; 4 = NaOH + ZnOAC; 5 = None; 6 = Other

Sample type: 1 = Soil; 2 = Water; 3 = Product; 4 = Waste Water; 5 = Other

Relinquished by: GONELL	Received by: JASPREET	Relinquished by:	Received by:
Signature:	Signature:	Signature:	Signature:
Company: COMPASS	Company: NETWORK	Company:	Company:
Date/time: 25.5.10 @ 1.30 pm	Date/time 25/5 1.30 pm	Date/time:	Date/time

PLEASE SIGN AND FAX/EMAIL TO COMPASS ENVIRONMENTAL UPON RECEIPT

AUSTRALIAN SAFER ENVIRONMENT & TECHNOLOGY PTY LTD

ABN 36 088 095 112

Our ref : ASET21750/ 24930 / 1 - 3
Your ref :1042 - Taylors Lakes
NATA Accreditation No: 14484

26 May 2010

Compass Environmental Pty Ltd
Suite 6, 5 Rose Street
Hawthorn East
VIC 3123

Attn:Mr Nathan Reynolds

Dear Nathan,
Asbestos Identification
This report presents the results of three samples, forwarded by Compass Environmental Pty Ltd on 25 May 2010, for analysis for asbestos. This report supersedes the report sent earlier today.

1.Introduction: Three samples forwarded were examined and analysed for the presence of asbestos.

2. Methods : The samples were examined under a Stereo Microscope and selected fibres were analysed by Polarized Light Microscopy in conjunction with Dispersion Staining Method **(Safer Environment Method 1 and Australian Standard AS 4964-2004.)**

3. Results : **Sample No. 1. ASET21750 / 24930 / 1. 1042 - Taylors Lakes - B2 - 0.2 A.**
Approx dimensions 6.0 cm x 6.5 cm x 0.45 cm
The sample consisted of a mixture of clayish soil, stones, plant matter and fragments of plaster.
No asbestos detected.

Sample No. 2. ASET21750 / 24930 / 2. 1042 - Taylors Lakes - B10 - 0.2 A.
Approx dimensions 5.0 cm x 6.0 cm x 0.45 cm
The sample consisted of a mixture of clayish soil, stones and plant matter.
No asbestos detected.

Sample No. 3. ASET21750 / 24930 / 3. 1042 - Taylors Lakes - SS 4A.
Approx dimensions 6.0 cm x 6.0 cm x 0.45 cm
The sample consisted of a mixture of clayish soil, stones and plant matter.
No asbestos detected.

Analysed and reported by,

Mahen De Silva . BSc. MSc. Grad Dip (Occ Hyg)
Occupational Hygienist / Approved Signatory.
Approved Identifier

This document is issued in accordance with NATA's Accreditation requirements. Accredited for compliance with ISO/IEC 17025.

SUITE 710 / 90 GEORGE STREET, HORNSBY NSW 2077 – P.O. BOX 1644 HORNSBY WESTFIELD NSW 1635
PHONE: (02) 99872183 FAX: (02)99872151 EMAIL: aset@bigpond.net.au WEBSITE: www.Ausset.com.au