



Appendix G:

Preliminary Site Investigation – Contamination

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Preliminary Site Investigation – Contamination Assessment

Camperdown Battery Energy Storage System (BESS)

Camperdown BESS Pty Ltd

29 Ringara Street, Manly West Qld 4179

Prepared by:

SLR Consulting Australia

SLR Project No.: 620.041535.00001

16 January 2025

Revision: v0.2

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Revision Record

Revision	Date	Prepared By	Checked By	Authorised By
v0.1-Draft	20 December 2024	Mike Haynes	Yung Kho	Mike Haynes
v02-Final	16 January 2025	Mike Haynes	Yung Kho	Mike Haynes

Basis of Report

This report has been prepared by SLR Consulting Australia Pty Ltd (SLR) with all reasonable skill, care and diligence, and taking account of the timescale and resources allocated to it by agreement with Camperdown BESS Pty Ltd (the Client). Information reported herein is based on the interpretation of data collected, which has been accepted in good faith as being accurate and valid.

This report is for the exclusive use of the Client. No warranties or guarantees are expressed or should be inferred by any third parties. This report may not be relied upon by other parties without written consent from SLR.

SLR disclaims any responsibility to the Client and others in respect of any matters outside the agreed scope of the work.

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Acronyms and Abbreviations

APEC	Areas of Potential Environmental Concern
BESS	Battery Energy Storage System
CEMP	Construction Environmental Management Plan
DEWLP	Victorian Department of Environment, Land, Water, and Planning
EPA	Environment Protection Authority Victoria
ERS	Environmental Reference Standard
FZ1	Farming Zone 1
ha	Hectare
MW	Megawatt
OHS	Occupational Health and Safety
PSI	Preliminary Site Investigation
SCO	Special Controls Overlay
SLR	SLR Consulting Pty Ltd
TDS	Total dissolved solid

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1.0 Introduction

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1.1 Background

SLR Consulting Australia Pty Ltd (SLR) was engaged by Camperdown BESS Pty Ltd (Camperdown BESS) to undertake a desktop Preliminary Site Investigation (PSI) to assess potential contamination at the proposed Battery Energy Storage System (BESS) development located at Wire Lane, Camperdown, Victoria (the 'site'). The site is identified as Lot 2 of LP34716 and Lot 2 of PS817143.

SLR understands that the site is in the process of due diligence review for the planned installation of a BESS with an approximate capacity of 75-megawatt (MW) at the point of connection. The areas of investigation and assessment discussed within this report, include:

- Site Area - (Lot 2 of LP34716 and Lot 2 of PS817143) – Approximately 48.8 ha.
- Project Footprint (the current proposed location of the BESS) – Approximately 1.9 ha.
- General Locality – 1 km radius of the Study Area.

The site location, and relevant site and surrounding area features identified during the PSI, are shown in attached **Figure 1 (Appendix A)**.

1.2 Aim and Objective

The overall preliminary works for the proposed Camperdown BESS development program involves various investigations to assess potential elevated risk items identified as part of the pre-development due diligence; and this PSI forms one of the investigations. Findings from all the investigations will be used in determining suitability of the site for the proposed development, the project layout and will determine the requirements for further assessments, where relevant.

The objective of the PSI was to assess the environmental conditions with respect to historical and current land uses which may have resulted in land contamination at the site and any requirements for future management.

1.3 Scope of works

SLR was engaged by Camperdown BESS to undertake the following works:

- Desktop review of the available current and historic site information, collated by Lotsearch Pty Ltd, pertaining to the site to identify any potentially contaminating land use and/or activities.
- Review of historical aerial photographs and publicly available site imagery (Google Maps and NearMap) to cross-reference the information collected during the desktop assessment and to identify areas of potential environmental concern (APEC).
- Preparation of this PSI report summarising the key findings of site history information, including site description, historical and current land uses, potential contaminating activities at and in vicinity of the site.

A site inspection did not form part of the scope for this PSI.

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2.0 Site Description

A summary of the site identification information is detailed below in **Table 1**. The site location details, and site layout and key site features are presented in attached **Figures 1** and **2 (Appendix A)**, respectively.

Table 1 Site Description

Site Information	Details
Site Address	Wire Lane, Camperdown, VIC 3260
Title Reference	Lot 2 of LP34716 and Lot 2 of PS817143
Local Government	Corangamite Shire
Current Zoning	Farming (FZ1)
Site Area	Approximately 48.8 ha
Project (BESS) Footprint	Approximately 1.9 ha
Current Occupier	Private owners
Current Land Use	Agriculture
Proposed Future Land Use	BESS operations on portions of the site, with ongoing agricultural use for surrounding lands
Site facilities and key features	The site is currently undeveloped, agricultural grass land
Summary of surrounding land uses	- North: Agricultural/pastoral lots. - South: Dennington rail line, then agricultural/pastoral lots. - East: Wire Lane, then agricultural/pastoral lots. - West: Agricultural/pastoral lots

From the images available on Google Maps and Nearmap, the site and surrounding areas are currently used for agricultural purposes, with the Dennington rail line located immediately to the south. There are two quarries located to the south of the site. The Gent quarry is approximately 600m to the southwest and the WA Molan and Sons quarry is approximately 1.3km to the south. Based on company websites, both quarries are understood to be excavated primarily for bluestone. The Camperdown town centre is situated approximately 2.2km to the west of the site. An electrical substation is noted to be present to the northwest, approximately 1.3km from the proposed BESS footprint and approximately 850m from the western site boundary. Bordering the substation is the Corangamite Regional Livestock Exchange, otherwise known as the Camperdown Saleyards.

The site is noted to be general flat, rising slightly towards the west, based on topographical information provided within the Lotsearch report (**Appendix B**). No water courses or storages were noted to be present on the site based on Nearmap images. However, the current Google Maps image for the site shows a water channel is present in the



southeastern corner of the site, which is either a man-made channel or an altered natural water course due to its linear nature.

Based on the geological information related to the aquifers and aquitards in the vicinity of the site, provided in the Victorian Department of Environment, Land, Water and Planning (DELWP) Groundwater Resource Report database (refer **Appendix C**), the site is underlain by Newer Volcanics soils, consisting of weathered basalt in the form of clays, sands and gravels. With the Newer Volcanics overlying sands and siltstones. This is consistent with the geological summary provided in the Lotsearch summary (**Appendix B**), with the northeastern corner of the site and the area to the east underlain by Quaternary swamp and lake deposits. The site and the surrounding areas are classified as having a low probability of occurrence of acid sulfate soils (6-70%).

3.0 Site Use – Historical and Current

A detailed report of ‘public domain’ information corresponding to the site and surrounding area was obtained from Lotsearch Pty Ltd (provided in **Appendix B**) which includes planning information, historical information, topological maps, historical aerial images and other maps of interest.

Based on the provided aerial photographs, the site layout has been largely unchanged since at least 1947, with the 1947 aerial photograph detailing the site and surrounds to be pasture lands with no structures present on the site. The only visible change to the site was shown in the 1966 aerial image, with the row of trees in the centre of the site that are present today shown to be present. The 1916 historical map provided in the Lotsearch report, indicates that the lands to the south of the site had operational quarries present in the similar area to the current two quarries (Gent and WA Molan and Sons).

Four registered groundwater bores are located within 1km of the site. The nearest bore is located 436m to the northwest and is used for domestic and stock water supply. This bore, ID 56134, is noted to be 21.3m deep and completed in 1973. The remaining three bores within 1km, ranging from 523m to 954m from the site, are used for domestic and stock purposes. There are no registered groundwater bores on the site. Total dissolved solid (TDS) concentration in the domestic groundwater bore is approximately 759 mg/L, which is within the range for Segment A Groundwater, as defined in the Environment Protection Authority Victoria Environmental Reference Standard (ERS), May 2021. With the applicable environmental values for Segment A groundwater, as per Table 5.3 of the ERS, being the following:

- Water dependent ecosystems and species
- Potable water supply
- Agriculture and Irrigation (Stock Watering and Irrigation)
- Industrial and Commercial Use
- Water-based recreation (primary contact recreation)
- Traditional Owner cultural values
- Buildings and structures
- Geothermal properties

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Based on the Victorian Department of Environmental, Land, Water and Planning records, Segment B groundwater is noted to be the general groundwater conditions across the site



and surrounding area. The upper groundwater aquifer is noted to be less than 5m below ground level beneath the site according to the information provided in the Visualising Victoria's Groundwater database.

No records of potentially contaminating land uses for the site or the immediate surrounding area were noted for activities such as:

- Mining
- Defence
- Landfilling
- Gasworks
- Fuel Storage
- Historical business operations, other than agriculture

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No records of EPA pollution notices, site management orders, groundwater restricted use zones or areas on the EPA priority sites register were noted for the site or within 1km of the site.

An environmental Audit was completed in 1998, on a former VicRoads depot site located approximate 930m southwest of the site (CMPS&F, 1998). The site was used as a VicRoads patrol depot, with storage of petroleum products and chemicals. The Audit noted the presence of localised hydrocarbon and lead impacts in the underlying soils. Groundwater was not encountered during the Audit assessment works to a depth of 15m below ground surface. Considering the distance of the Audit site from the Camperdown BESS site and the localised impacts noted, it is not considered that the former depot site would impact the Camperdown BESS site.

The Wannon Water service area, which covers the southwestern corner of Victoria including Camperdown, was assessed as part of Section 53V Environmental Audit, which audited the appropriateness of the Wannon Water Sewerage System Management Plan (GHD, 2015). The Lotsearch report notes that Wannon Water has an EPA A14 Permit (P000046584) for the supply or use of wastewater. The use or supply of recycled wastewater to the site is not known but it may have occurred with use of recycled water for pasture irrigation.

No planning overlays are noted to apply to the proposed project footprint or the wider study area. A Specific Controls Overlay (SCO2) is located immediately to the south of the site related to the rail line. There are two areas of Aboriginal cultural heritage sensitivity noted on the site, in the southwest and northeast areas. The southwest sensitivity area is noted to be near the proposed BESS footprint but not within the proposed construction and operation area.

The site is also designated to be within a bushfire prone area. The study area has native vegetation with high potential groundwater dependent ecosystems noted, however, these are not within the proposed development footprint. The ecological significance of the site will be addressed separately as part of SLR's native vegetation assessment of the site.

4.0 Areas of Potential Environmental Concern

The site has been used for agriculture since at least the mid-1940s. Based on the presence of Aboriginal Cultural sensitivity areas in the vicinity of the site, prior to being used for western agriculture, the site and surrounding area would likely have been vacant lands used by Traditional Owners for activities such as hunting and habitation. Based on the review of the current and historical site usage as agricultural land, there is potential for the use of pesticides, herbicides, fungicides, and fertilisers, also the potential use of recycled



wastewater for pasture watering. This may have resulted in residual associated concentrations in soil, and potentially groundwater. This is considered a low risk to the proposed site use for an unmanned BESS facility.

Due to the absence of current or historical structures the potential for septic systems and bulk storage of agricultural chemicals is considered to be low. While no former structures or excavations were noted to have been on the site, due to the long-term use of the site, there is potential for imported material or waste materials to have been brought onto site and potentially buried.

Based on the current earthworks layout plan (**Appendix D**), which is to be finalised, the development footprint will require areas of cut and areas of fill to build the BESS facility with an excavation depth up to 0.85m below the current surface. It is estimated the excavation will result in a net 25m³ of cut (**Appendix D**). If the final earthworks modelling shows the development works have excess material (larger cut volume), then depending on soil conditions this material can potentially be left on site and used for general landscaping purposes. Where excavated soils are not able to be reused on site due to excess volume or geotechnical considerations and off-site disposal is to be undertaken, then classification under the EPA Publication 1828.3 (October 2024) *Waste Disposal Categories: Characteristics and Thresholds* will be required. With soil sampling completed in line with EPA Publication 702.2 Soil Sampling for Waste Soils (May 2024). While the potential for the soil to be impacted based on historical site use is considered low, there is the potential for elevated natural compounds to be present within the soils which could exceed the thresholds in the EPA 1828.3 (October 2024). Where the elevated compounds are related to naturally occurring concentrations, then application for waste designation will need to be made with Victoria EPA. It is noted that from time of application Victoria EPA has 42 days to respond, with potential for further information to be requested with the response.

While the site review has indicated that the risk of contamination at the site is low, the proposed development should be carried out under a construction environmental management plan (CEMP). The CEMP should include standard OHS management procedures for handling soils and detail an unexpected finds protocol if site excavation works uncover contaminated soils or buried wastes, which could include hazardous materials such as asbestos. Depending on the depth of foundations required, interaction and management of groundwater may need to be considered as part of the CEMP, given the depth of regional groundwater is noted to be less than 5m at the site.

5.0 Conclusions

Based on the proposed use of the site for an unmanned BESS facility, the risks of contamination to be present to a level that impacts the site during the development and operation of the site are considered low.

However, given the agricultural use of the site, the underlying soils may have been impacted from the application of agricultural chemicals, also the potential use of recycled wastewater for pasture watering. This, along with the potential for naturally occurring elevated compounds, could impact the waste classification of the soils in the event of off-site disposal being required. Based on the current earthworks plan (**Appendix D**), the site requires areas of filling that could utilise excavated materials on the site. Where excavated materials were not suitable for reuse or were excess to needs and not able to be reused on the wider site, then offsite disposal classification would be required. In this instance, soil sampling would be required to be completed by a suitable qualified environmental professional. With works undertaken in accordance with EPA Publication 702.2 and classified based on criteria presented in EPA Publication 1828.3 to enable disposal in accordance with EPA Victoria



requirements. This could be completed prior to excavation or on stockpiled materials after the completion of the required site earthworks.

Prior to commencement of excavation works, a CEMP should be created for the site to specify the worker occupational health and safety (OHS) and environmental controls related to management of excavated materials, the potential for intersection of regional groundwater, and the potential for unexpected finds.

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Appendix A Figures

Preliminary Site Investigation – Contamination Assessment

Camperdown Battery Energy Storage System (BESS)

Camperdown BESS Pty Ltd

SLR Project No.: 620.041535.00001

16 January 2025

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FIGURE 1

-  Study Area
-  Project Footprint
-  Features of Interest
-  Onsite Aboriginal Cultural Sensitivity Area
-  Railway



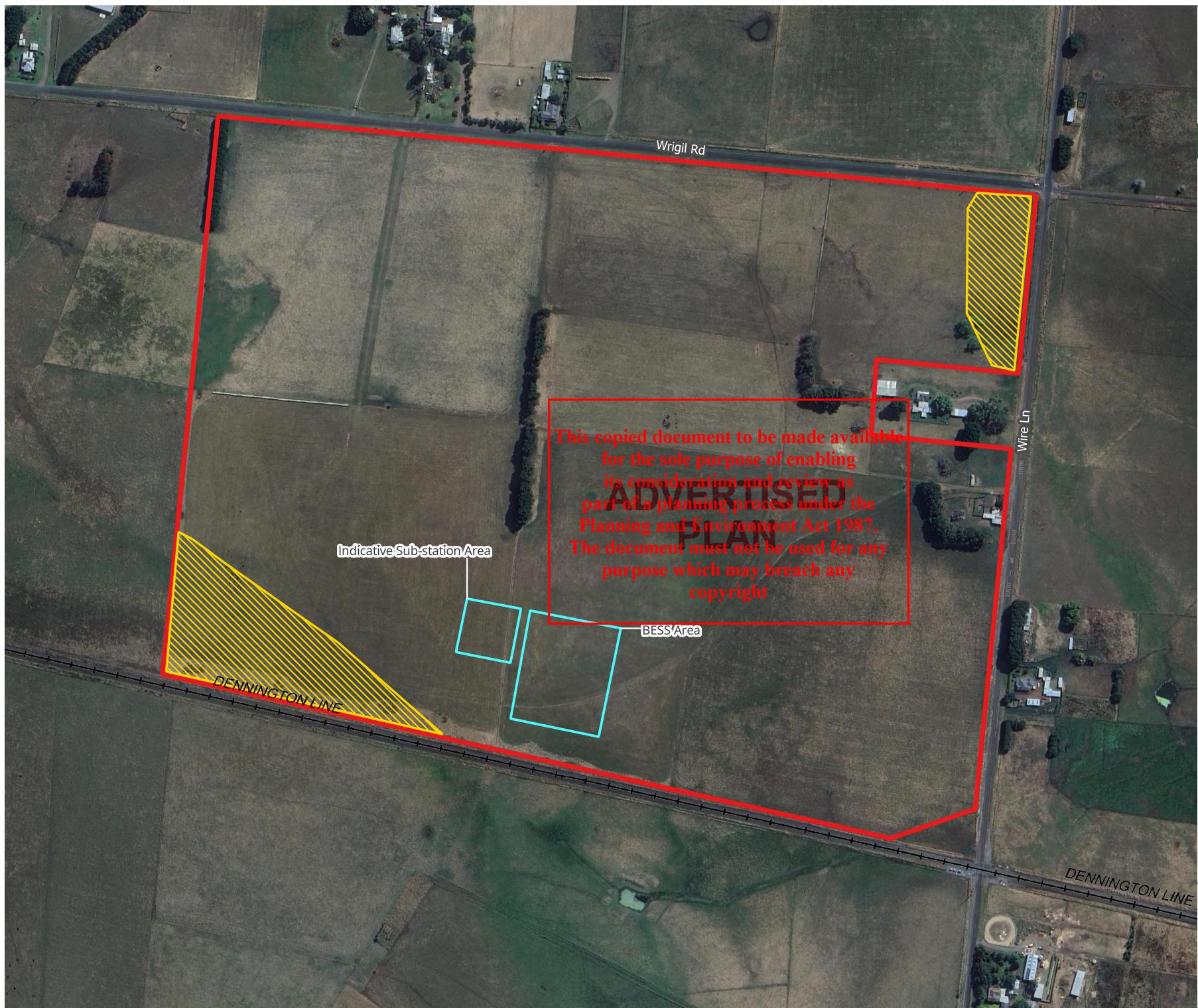
	
	
Project No.:	620.041535.00001
Date:	18/12/2024
Drawn by:	SL
Scale:	1:20,000
Sheet Size:	@ A4
Projection:	GDA 2020 MGA Zone 55

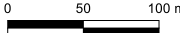
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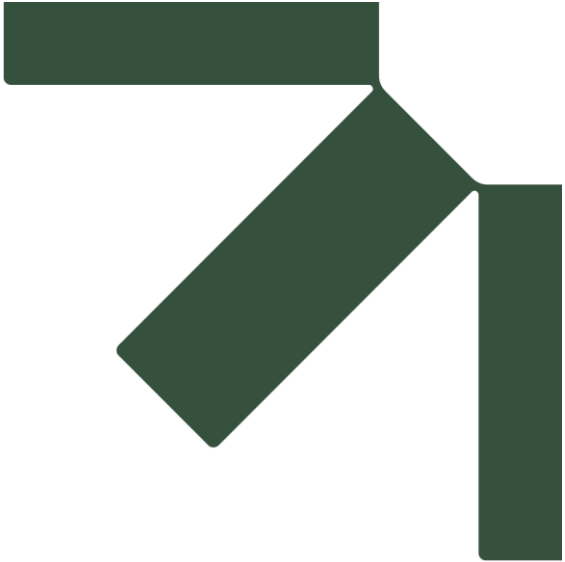
FIGURE 2

-  Study Area
-  Project Footprint
-  Onsite Aboriginal Cultural Sensitivity Area
-  Railway



			
Project No.:		620.041535.00001	
Date:		18/12/2024	
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Sheet Size:		@ A4	
Projection:		GDA 2020 MGA Zone 55	

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Appendix B Lotsearch Report

Preliminary Site Investigation – Contamination Assessment

Camperdown Battery Energy Storage System (BESS)

Camperdown BESS Pty Ltd

SLR Project No.: 620.041535.00001

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LOTSEARCH

LOTSEARCH ENVIRO PROFESSIONAL

Date: 25 Nov 2024 14:14:47

Reference: LS067525 EP

Address: Wire Lane, Camperdown, VIC 3260

Disclaimer:

The purpose of this report is to provide an overview of some of the site history, environmental risk and planning information available, affecting an individual address or geographical area in which the property is located. It is not a substitute for an on-site inspection or review of other available reports and records. It is not intended to be, and should not be taken to be, a rating or assessment of the desirability or market value of the property or its features. You should obtain independent advice before you make any decision based on the information within the report. The detailed terms applicable to use of this report are set out at the end of this report.

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Dataset Listing

Datasets contained within this report, detailing their source and data currency:

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Topographic and Cadastre data	VIC Department of Energy, Environment and Climate Action	16/10/2024	16/10/2024	Monthly	-	-	-	-
Current EPA Priority Sites	Environment Protection Authority Victoria	21/11/2024	21/11/2024	Weekly	1000m	0	0	0
EPA Site Management Orders	Environment Protection Authority Victoria	18/11/2024	18/11/2024	Monthly	1000m	0	0	0
Former EPA Priority Sites & other Remedial Notices	Environment Protection Authority Victoria	23/10/2023	04/08/2023	Quarterly	1000m	0	0	0
EPA PFAS Site Investigations	Environment Protection Authority Victoria	19/11/2024	30/05/2023	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Investigation Sites	Australian Department of Defence	28/10/2024	28/10/2024	Monthly	2000m	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Australian Department of Defence	28/10/2024	28/10/2024	Monthly	2000m	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	28/10/2024	28/10/2024	Monthly	2000m	0	0	0
Defence Controlled Areas	Australian Department of Defence	22/10/2024	22/10/2024	Quarterly	2000m	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Australian Department of Defence	18/11/2024	02/09/2022	Quarterly	2000m	0	0	0
National Unexploded Ordnance (UXO)	Australian Department of Defence	22/10/2024	22/10/2024	Quarterly	2000m	0	0	0
EPA Preliminary Risk Screening Assessments	Environment Protection Authority Victoria	18/11/2024	18/11/2024	Monthly	1000m	0	0	0
EPA Environmental Audit Reports	Environment Protection Authority Victoria	18/11/2024	18/11/2024	Monthly	1000m	1	1	2
EPA Groundwater Zones with Restricted Uses	Environment Protection Authority Victoria	30/10/2024	30/10/2024	Monthly	1000m	0	0	0
EPA Register of Permissions	Environment Protection Authority Victoria	23/10/2024	23/10/2024	Monthly	1000m	0	0	0
Legacy EPA Licensed Activities	Environment Protection Authority Victoria	19/07/2022	22/07/2021	Not required	1000m	0	0	0
Legacy EPA Works Approvals	Environment Protection Authority Victoria	13/12/2022	13/12/2022	Monthly	1000m	0	0	0
National Waste Management Facilities Database	Geoscience Australia	29/04/2024	29/11/2022	Annually	1000m	0	0	0
Statewide Waste and Resource Recovery Infrastructure Plan Facilities	Sustainability Victoria	30/04/2024	31/12/2012	None Planned	1000m	0	0	0
Legacy EPA Prescribed Industrial Waste	Environment Protection Authority Victoria	12/08/2020	12/08/2020	Quarterly	1000m	0	0	0
EPA Victorian Landfill Register	Environment Protection Authority Victoria	21/11/2024	15/11/2024	Quarterly	1000m	0	0	0
Former Gasworks	Various historical sources collated by Lotsearch	15/08/2017	15/08/2017	Not required	1000m	0	0	0
National Liquid Fuel Facilities	Geoscience Australia	16/10/2024	07/09/2020	Annually	1000m	0	0	0
Historical Business Directories (Premise & Intersection Matches)	Hardie Grant; Sands & McDougall, State Library Victoria			Not required	150m	0	0	0
Historical Business Directories (Road & Area Matches)	Hardie Grant; Sands & McDougall, State Library Victoria			Not required	150m	-	0	0
Historical Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant; Sands & McDougall, State Library Victoria			Not required	500m	0	0	0
Historical Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant; Sands & McDougall, State Library Victoria			Not required	500m	-	0	0
Features of Interest	VIC Department of Energy, Environment and Climate Action	20/11/2024	20/11/2024	Quarterly	1000m	0	0	6

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Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Hydrogeology Map of Australia	Geoscience Australia	17/04/2024	19/08/2019	Annually	1000m	1	1	1
Watertable Salinity	VIC Department of Energy, Environment and Climate Action	06/11/2024	13/06/2024	Quarterly	1000m	1	1	1
Depth to Watertable	VIC Department of Energy, Environment and Climate Action	20/09/2024	05/12/2014	Annually	0m	2	-	-
Surface Elevation	Centre for eResearch and Digital Innovation (CeRDI), Federation University	25/06/2024	23/09/2013	Annually	0m	1	-	-
Basement Elevation	VIC Department of Energy, Environment and Climate Action	09/08/2024	23/09/2013	Annually	0m	1	-	-
Groundwater Boreholes WMIS	VIC Department of Energy, Environment and Climate Action	23/04/2024	23/04/2024	Quarterly	2000m	0	0	19
Groundwater Boreholes Earth Resources Database	VIC Department of Jobs, Skills, Industry and Regions	24/01/2024	17/02/2010	Annually	2000m	0	0	5
Groundwater Boreholes Fed Uni	Federation University Australia	21/12/2017	07/01/2014	Annually	2000m	0	0	16
Historical Mining Activity - Shafts	VIC Department of Jobs, Skills, Industry and Regions	10/09/2024	10/09/2024	Annually	1000m	0	0	0
Geological Units 1:50,000	VIC Department of Energy, Environment and Climate Action	18/04/2024	24/06/2014	Annually	1000m	3	3	4
Geological Structures 1:50,000	VIC Department of Energy, Environment and Climate Action	18/04/2024	24/06/2014	Annually	1000m	0	0	0
Dykes and Marker Beds 50k	VIC Department of Energy, Environment and Climate Action	18/04/2024	24/06/2014	Annually	1000m	0	0	0
Shear zones 250k	VIC Department of Energy, Environment and Climate Action	18/04/2024	24/06/2014	Annually	1000m	0	0	0
Atlas of Australian Soils	Australian Bureau of Agricultural and Resource Economics	12/01/2024	17/02/2011	Annually	1000m	1	1	1
Victorian Soil Type Mapping	VIC Department of Jobs, Skills, Industry and Regions	21/08/2024	01/01/2024	Annually	1000m	2	2	3
Atlas of Australian Acid Sulfate Soils	CSIRO	12/01/2024	21/02/2013	Annually	1000m	1	1	1
Coastal Acid Sulfate Soils	VIC Department of Jobs, Skills, Industry and Regions	11/12/2023	11/12/2023	Annually	1000m	0	0	0
Planning Scheme Zones	VIC Department of Energy, Environment and Climate Action	21/11/2024	18/11/2024	Monthly	1000m	1	1	19
Planning Scheme Overlay	VIC Department of Energy, Environment and Climate Action	21/11/2024	20/11/2024	Monthly	1000m	0	1	19
Commonwealth Heritage List	Australian Department of Climate Change, Energy, the Environment and Water	23/10/2024	13/04/2022	Annually	1000m	0	0	0
National Heritage List	Australian Department of Climate Change, Energy, the Environment and Water	23/10/2024	13/04/2022	Annually	1000m	0	0	0
Victorian Heritage Register	VIC Department of Energy, Environment and Climate Action	20/11/2024	20/11/2024	Quarterly	1000m	0	0	1
Cultural Heritage Sensitivity	State Government Victoria - Department of Premier and Cabinet	20/11/2024	20/11/2024	Quarterly	1000m	2	2	3
Bushfire Prone Area	State Government Victoria - Department of Energy, Environment and Climate Action	20/11/2024	10/09/2024	Monthly	1000m	1	1	1
Fire History	State Government Victoria - Department of Energy, Environment and Climate Action	21/11/2024	16/11/2024	Monthly	1000m	0	0	0
Victorian Coastal Inundation Sea Level Rise	VIC Department of Energy, Environment and Climate Action	05/02/2024	18/01/2024	Annually	1000m	0	0	0
Native Vegetation (Modelled 2005 Ecological Vegetation Classes)	VIC Department of Energy, Environment and Climate Action	07/06/2024	07/06/2024	Annually	1000m	3	3	5
Ramsar Wetland Areas in Victoria	VIC Department of Energy, Environment and Climate Action	16/05/2024	11/04/2024	Annually	1000m	0	0	0
Collaborative Australian Protected Areas Database (CAPAD) 2022 - Terrestrial	Australian Department of Climate Change, Energy, The Environment and Water	04/03/2024	30/06/2022	Annually	1000m	0	0	0
Collaborative Australian Protected Areas Database (CAPAD) 2022 - Marine	Australian Department of Climate Change, Energy, The Environment and Water	04/03/2024	30/06/2022	Annually	1000m	0	0	0
Groundwater Dependent Ecosystems Atlas	Bureau of Meteorology	28/05/2024	28/05/2024	Annually	1000m	2	3	5

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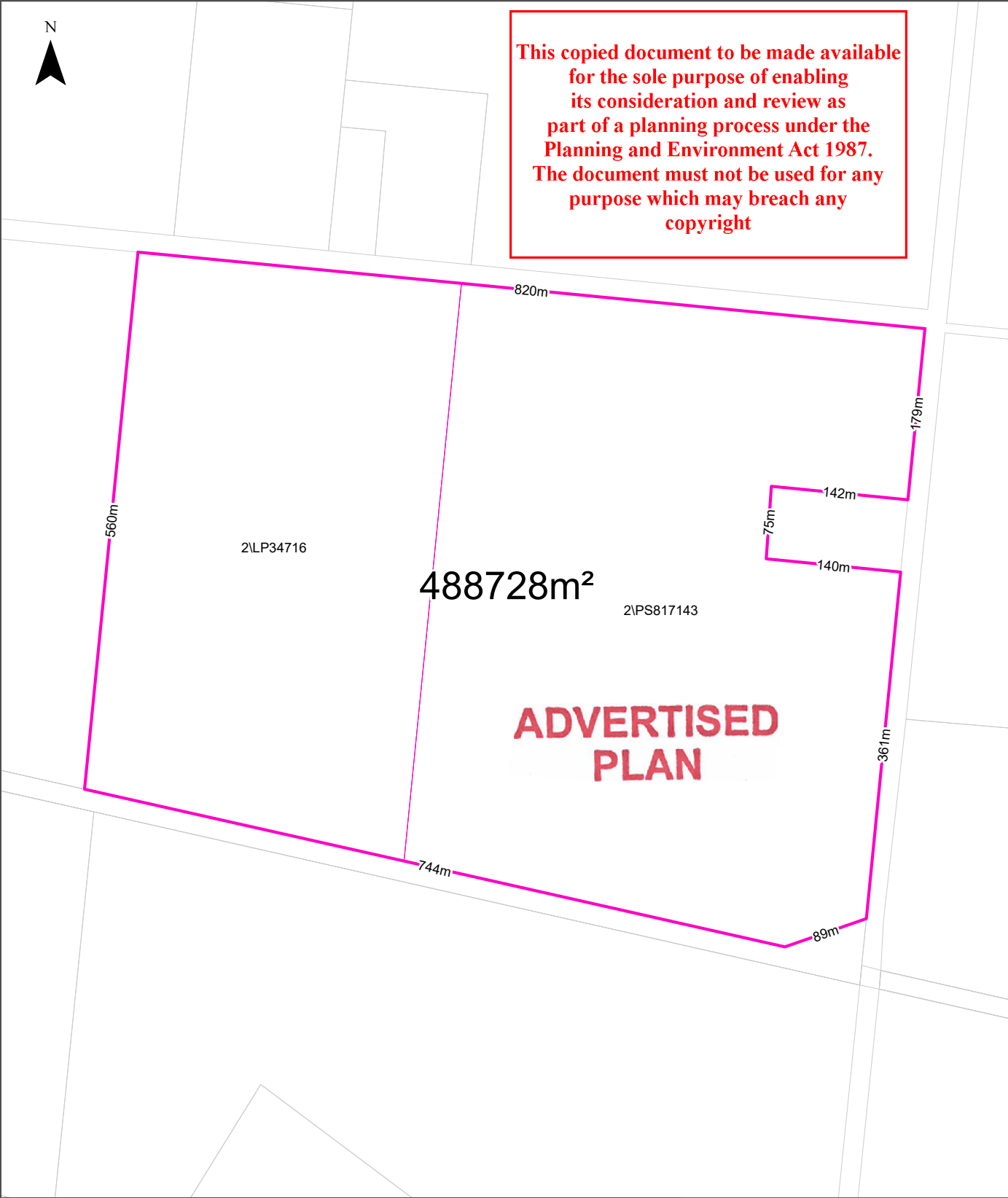
Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features On-site	No. Features within 100m	No. Features within Buffer
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	28/05/2024	28/05/2024	Annually	1000m	4	5	7

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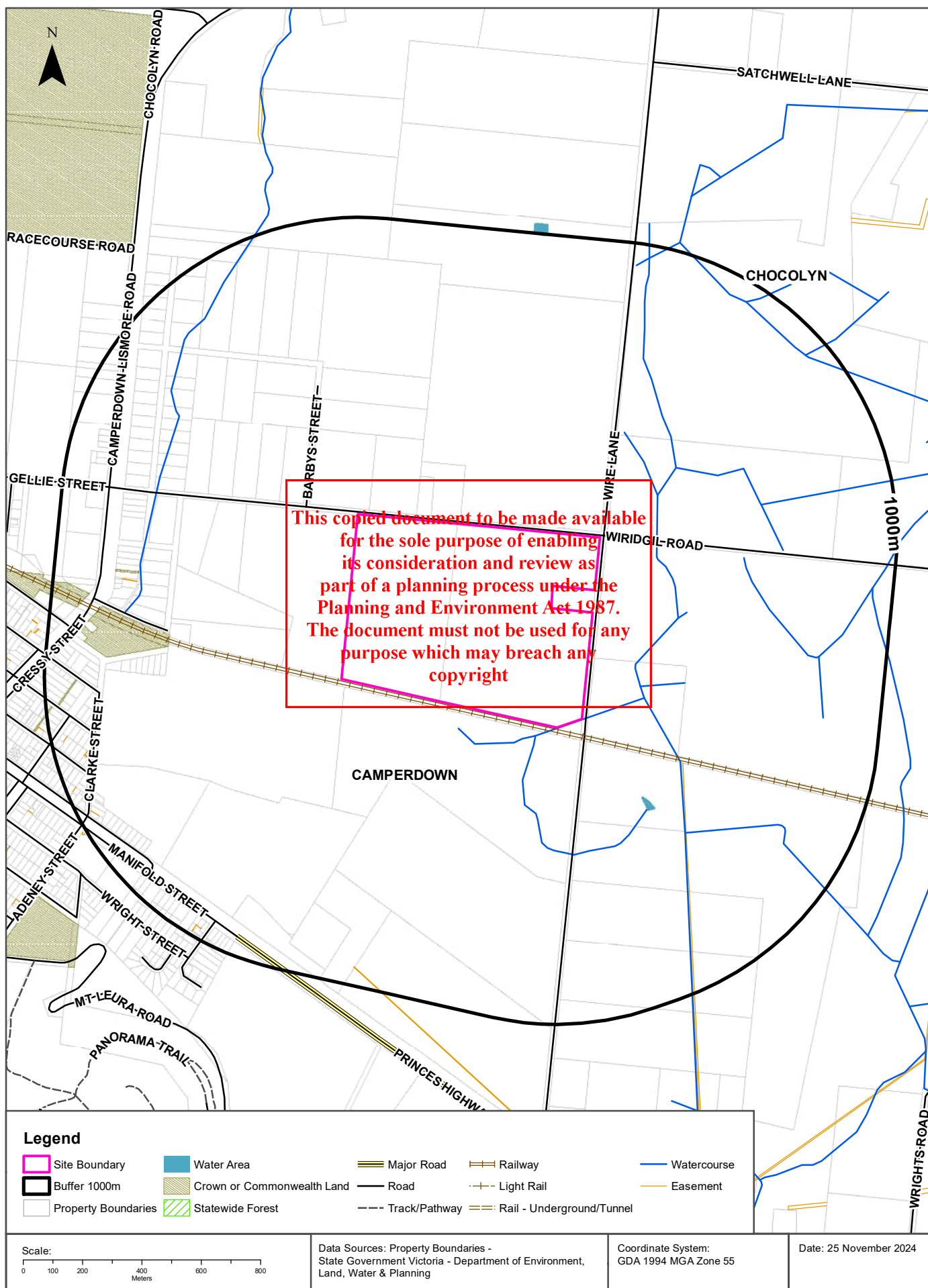
Site Diagram

Wire Lane, Camperdown, VIC 3260



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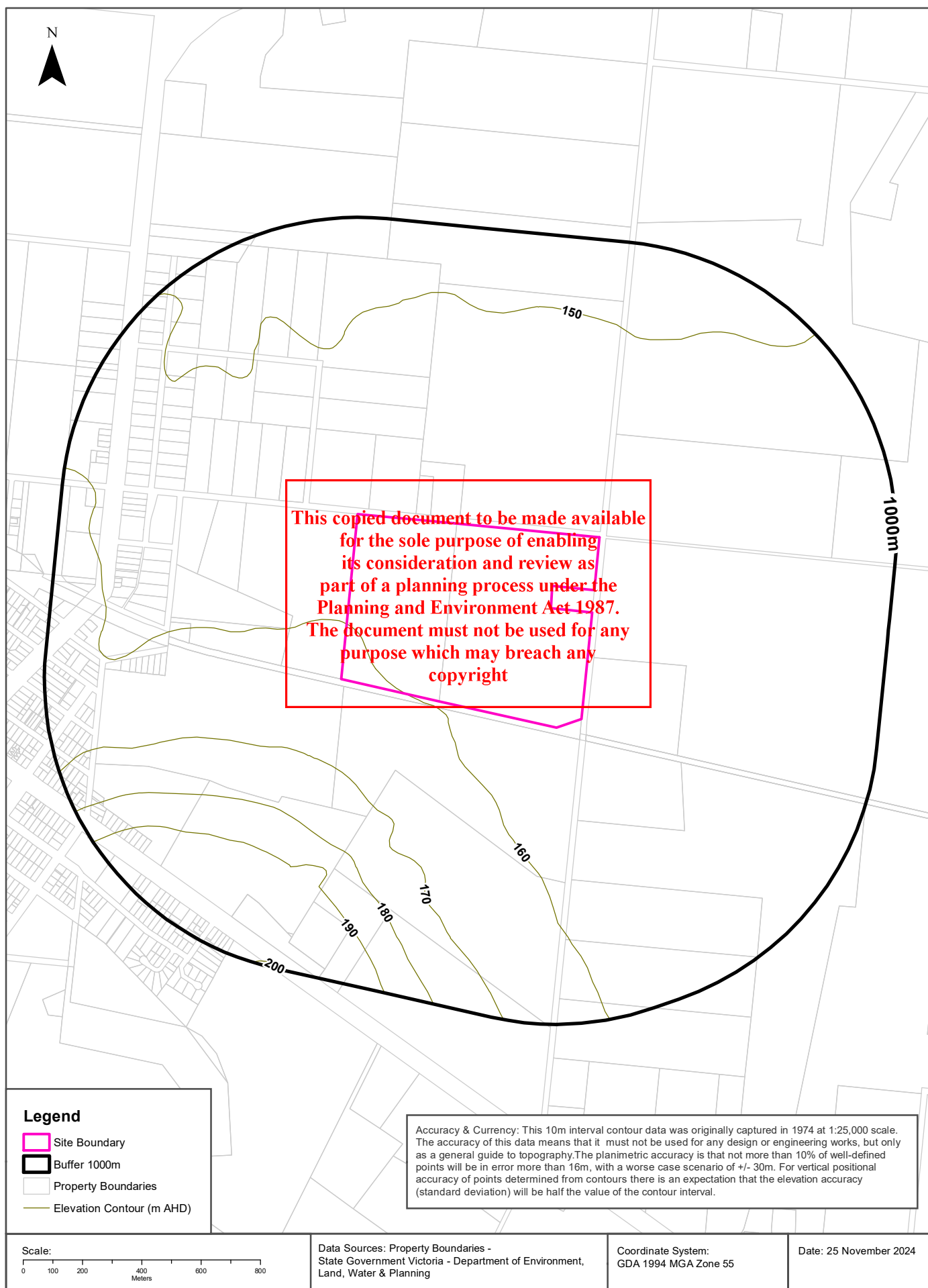
Legend Site Boundary Internal Parcel Boundaries	Total Area: 488728m ² Total Perimeter: 3.11km Disclaimers: Measurements are approximate only and may have been simplified or smaller lengths removed for readability. Parcels that make up a small percentage of the total site area have not been labelled for increased legibility.	Scale: 02550100150200250 Meters Data Sources: Property Boundaries - State Government Victoria - Department of Environment, Land, Water & Planning Coordinate System: GDA 1994 MGA Zone 55 Date: 25 November 2024
---	--	--



Elevation Contours (m AHD)

Wire Lane, Camperdown, VIC 3260

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EPA Priority Sites, Site Management Orders & Pollution Notices

Wire Lane, Camperdown, VIC 3260

Current EPA Priority Sites Register

Sites on the current EPA priority sites register that exist within the dataset buffer:

Notice No	Address	Suburb	Issue	Loc Conf	Dist (m)	Direction
N/A	No records in buffer					

Priority Sites Register Custodian: State Government Victoria - Environment Protection Authority (EPA)

Site Management Orders

Sites within the dataset buffer that have been issued a Site Management Orders:

Site Management Order ID	Issue Date	Address	Status	Loc Conf	Dist (m)	Direction
N/A	No records in buffer					

Site Management Orders Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

Former EPA Priority Sites & Other Pollution Notices

Sites within the dataset buffer that have been issued a Pollution Notice:

Note. Due to pollution notices being revoked and removed from published lists this is not an exhaustive list of all past pollution notices.

Map ID	Notice No	Notice Type	Company	Address	Suburb	Status	Issue	Date Issued	Loc Conf	Dist	Dir
N/A	No records in buffer										

Pollution Notice Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

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PFAS Investigation & Management Programs

Wire Lane, Camperdown, VIC 3260

EPA PFAS Site Investigations

Sites being investigated by the EPA for PFAS contamination within the dataset buffer:

Map ID	Site Name	Address	Location Confidence	Distance	Direction
N/A	No records in buffer				

EPA PFAS Site Investigations Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

Defence PFAS Investigation & Management Program Investigation Sites

Sites being investigated by the Department of Defence for PFAS contamination within the dataset buffer:

Map ID	Base Name	Address	Location Confidence	Distance	Direction
N/A	No records in buffer				

Defence PFAS Investigation & Management Program Data Custodian: Department of Defence, Australian Government

Defence PFAS Investigation & Management Program Management Sites

Sites being managed by the Department of Defence for PFAS contamination within the dataset buffer:

Map ID	Base Name	Address	Location Confidence	Distance	Direction
N/A	No records in buffer				

Defence PFAS Investigation & Management Program Data Custodian: Department of Defence, Australian Government

Airservices Australia National PFAS Management Program

Sites being investigated or managed by Airservices Australia for PFAS contamination within the dataset buffer:

Map ID	Site Name	Impacts	Location Confidence	Distance	Direction
N/A	No records in buffer				

Airservices Australia National PFAS Management Program Data Custodian: Airservices Australia

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Defence Sites and Unexploded Ordnance

Wire Lane, Camperdown, VIC 3260

Defence Controlled Areas (DCA)

Defence Controlled Areas provided by the Department of Defence within the dataset buffer:

Site ID	Location Name	Loc Conf	Dist	Dir
N/A	No records in buffer			

Defence Controlled Areas, Data Custodian: Department of Defence, Australian Government

Defence 3 Year Regional Contamination Investigation Program (RCIP)

Sites which have been assessed as part of the Defence 3 Year Regional Contamination Investigation Program within the dataset buffer:

Property ID	Base Name	Address	Known Contamination	Loc Conf	Dist	Dir
N/A	No records in buffer					

Defence 3 Year Regional Contamination Investigation Program, Data Custodian: Department of Defence, Australian Government

National Unexploded Ordnance (UXO)

Sites which have been assessed by the Department of Defence for the potential presence of unexploded ordnance within the dataset buffer:

Site ID	Location Name	Category	Area Description	Additional Information	Commonwealth	Loc Conf	Dist	Dir
N/A	No records in buffer							

National Unexploded Ordnance (UXO), Data Custodian: Department of Defence, Australian Government

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Legend Site Boundary Buffer 1000m Property Boundaries Groundwater Zones with Restricted Uses (GQRUZ) Audit of Management of Sewerage Systems Area Potential Forest Audit Program Area Preliminary Risk Screen Assessments Environmental Audits		ADVERTISED PLAN	
Scale: 0 100 200 400 600 800 Meters		Data Sources: Property Boundaries - State Government Victoria - Department of Environment, Land, Water & Planning	Coordinate System: GDA 1994 MGA Zone 55
		Date: 25 November 2024	

EPA Records

Wire Lane, Camperdown, VIC 3260

EPA Preliminary Risk Screen Assessments

EPA Preliminary Risk Screen Assessment records that exist within the dataset buffer:

PRSA ID	Site Address	Completion Date	Attachment A	Attachment B	Attachment C	Loc Conf	Distance	Direction
N/A		No records in buffer						

Preliminary Risk Screen Assessments Audit Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

EPA Environmental Audits

EPA environmental audit records that exist within the dataset buffer:

Note. Please click on CARMS No. to activate a hyperlink to online documentation. If link does not work, documentation may still be accessible via the EPA Interaction Portal.

Map ID	Transaction No	CARMS No	Site	Address	Suburb	Date Complete	Audit Category	Loc Conf	Dist	Dir
1	0008004774	73807-1	WANNON WATER	WANNON WATER	WARRNAMBOOL	21/12/2015 12:00:00 AM	53V No audit recommendations	Area Match	0m	On-site
2	0008000410	28350-1	2 WRIGHT ST	2 WRIGHT ST	CAMPERDOWN	25/06/1998 12:00:00 AM	53X Statement	Premise Match	929m	South West

Environmental Audit Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

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EPA Records

Wire Lane, Camperdown, VIC 3260

EPA Groundwater Zones with Restricted Uses (GQRUZ)

EPA Groundwater Zones with Restricted Uses (GQRUZ) records that exist within the dataset buffer:

Map ID	File No	Reference No	Site History	Site Address	Restricted Uses	Status	Loc Conf	Dist	Dir
N/A		No records in buffer							

Environmental GQRUZ Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

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EPA Activities

Wire Lane, Camperdown, VIC 3260

EPA Activites - Register of Permissions

EPA Register of Permissions records that exist within the dataset buffer:

Note - Records with the following activities have been excluded:

- L05 (Operation of events outside of hours or extended operations)
- L06 (Conducting more than six outdoor concerts)

Map ID	Permission ID	Permission Type	Activity	Premise Address	Status	Issue Date	Expiry Date	Doc Link	Loc Conf	Dist (m)	Dir
N/A	No records in buffer										

EPA Register of Permissions Custodian: State Government Victoria - Environment Protection Authority (EPA)
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EPA Activities

Wire Lane, Camperdown, VIC 3260

Legacy EPA Licensed Activities

Activities licensed under the repealed *Environment Protection Act 1970 (Vic.)* within the dataset buffer:

Trans No	Licence No	Licence Type	Organisation	Premise Ref	Premise Address 1	Premise Address 2	Activities	Loc Conf	Dist (m)	Direction
N/A	No records in buffer									

Legacy Activity Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

Legacy EPA Works Approvals

Works approvals licensed under the repealed *Environment Protection Act 1970 (Vic.)* within the dataset buffer:

Transaction No	Status	Approval No	Organisation	Premise Address	Suburb	Scheduled Categories	Loc Conf	Dist (m)	Direction
N/A	No records in buffer								

Legacy Works Approvals Data Custodian: State Government Victoria - Environment Protection Authority (EPA)

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Waste Management Facilities and Landfills

Wire Lane, Camperdown, VIC 3260

National Waste Management Facilities Database

Sites on the National Waste Management Facilities Database within the dataset buffer:

Map ID	Owner	Name	Address	Management Type	Facility Type	Status	Loc Conf	Dist	Dir
N/A	No records in buffer								

Source: Waste Management Facilities Database
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Statewide Waste and Resource Recovery Infrastructure Plan Facilities

Statewide Waste and Resource Recovery Infrastructure Plan Facilities within the dataset buffer:

Map Id	Owner	Site Name	Address	Suburb	Category	Sub Category	Loc Conf	Distance	Direction
N/A	No records in buffer								

SWRRIPF Data Source: State Government Victoria - Department of Sustainability

Legacy EPA Prescribed Industrial Waste

EPA Prescribed Industrial Waste treaters, disposers and permitted transporters under the repealed *Environment Protection Act 1970 (Vic.)* within the dataset buffer:

Map Id	Company Name	Address	Suburb	Treatment /Disposal	Transport	Accredited Agent	EPA List Status	Loc Conf	Dist (m)	Dir
N/A	No records in buffer									

Legacy Prescribed Industrial Waste Data Source: State Government Victoria - Environment Protection Authority (EPA)

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Waste Management Facilities & Landfills

Wire Lane, Camperdown, VIC 3260

EPA Victorian Landfill Register

EPA Victorian Landfill Register sites within the dataset buffer:

Landfill Register No.	Site	Address	Operating Status	Est. Year Of Closure	Waste type	Loc Conf	Dist (m)	Direction
N/A	No records in buffer							

EPA Victorian Landfill Register Data Source: State Government Victoria - Environment Protection Authority (EPA)

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Former Gasworks and Liquid Fuel Facilities

Wire Lane, Camperdown, VIC 3260

Former Gasworks

Former Gasworks identified from various historical sources within the dataset buffer:

Note - As this is a dataset collated from various historical sources, it is not an exhaustive list of all former Gasworks

Map Id	Site Name	Date Opened	Year Closed	Location Confidence	Distance	Direction
N/A	No records in buffer					

Former Gasworks Data Source: Collated from various historical sources

National Liquid Fuel Facilities

National Liquid Fuel Facilities within the dataset buffer:

Map Id	Owner	Name	Address	Suburb	Class	Operational Status	Operator	Revision Date	Loc Conf	Dist (m)	Direction
N/A	No records in buffer										

Source: Waste Management Facilities Database

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Historical Business Directories

Wire Lane, Camperdown, VIC 3260

Business Directory Records 1905-1991 Premise or Road Intersection Matches

Potentially contaminative business activities extracted from Universal Business Directory and Sands & McDougall Directory records, from years 1991, 1980, 1970, 1960, 1950, 1945, 1925 & 1905, mapped to a premise or road intersection within the dataset buffer:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
N/A	No records in buffer						

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Business Directory Records 1905-1991

Road or Area Matches

Potentially contaminative business activities extracted from Universal Business Directory and Sands & McDougall Directory records, from years 1991, 1980, 1970, 1960, 1950, 1945, 1925 & 1905, mapped to a road or an area, within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published:

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
N/A	No records in buffer					

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Historical Business Directories

Wire Lane, Camperdown, VIC 3260

Dry Cleaners, Motor Garages & Service Stations Premise or Road Intersection Matches

Dry Cleaners, Motor Garages & Service Stations from Sands & McDougall's Directories and UBD Business Directories, mapped to a premise or road intersection within the dataset buffer.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Property Boundary or Road Intersection	Direction
N/A	No records in buffer						

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Dry Cleaners, Motor Garages & Service Stations Road or Area Matches

Dry Cleaners, Motor Garages & Service Stations from UBD Business Directories and Sands & McDougall's Directories, mapped to a road or an area within the dataset buffer. Records are mapped to the road when a building number is not supplied, cannot be found, or the road has been renumbered since the directory was published.

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
N/A	No records in buffer					

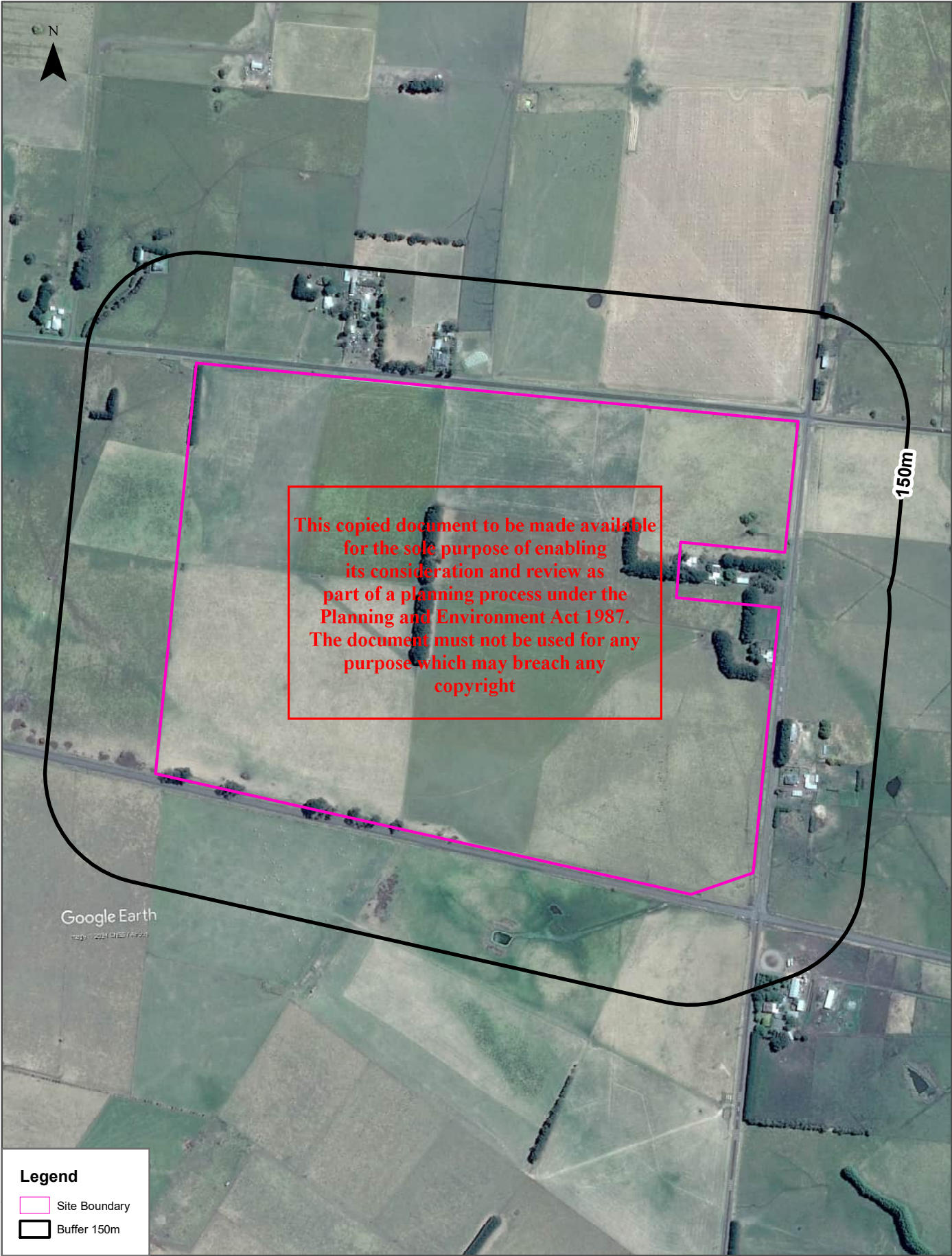
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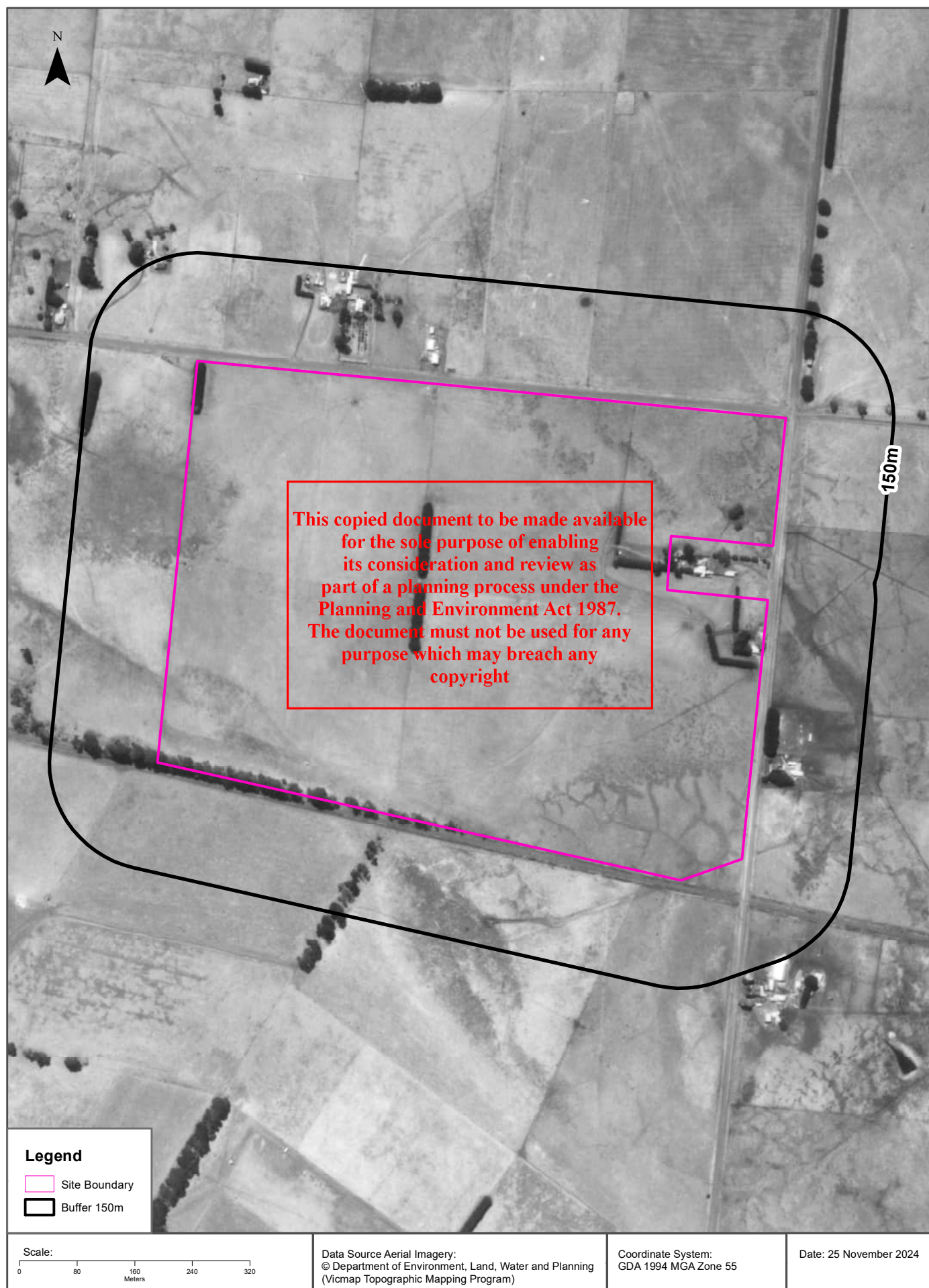


Scale: 0 80 160 240 320 Meters	Data Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS UserCommunity	Coordinate System: GDA 1994 MGA Zone 55	Date: 25 November 2024
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Scale: 0 80 160 240 320 Meters	Data Source Aerial Imagery: © 2024 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.	Coordinate System: GDA 1994 MGA Zone 55	Date: 25 November 2024
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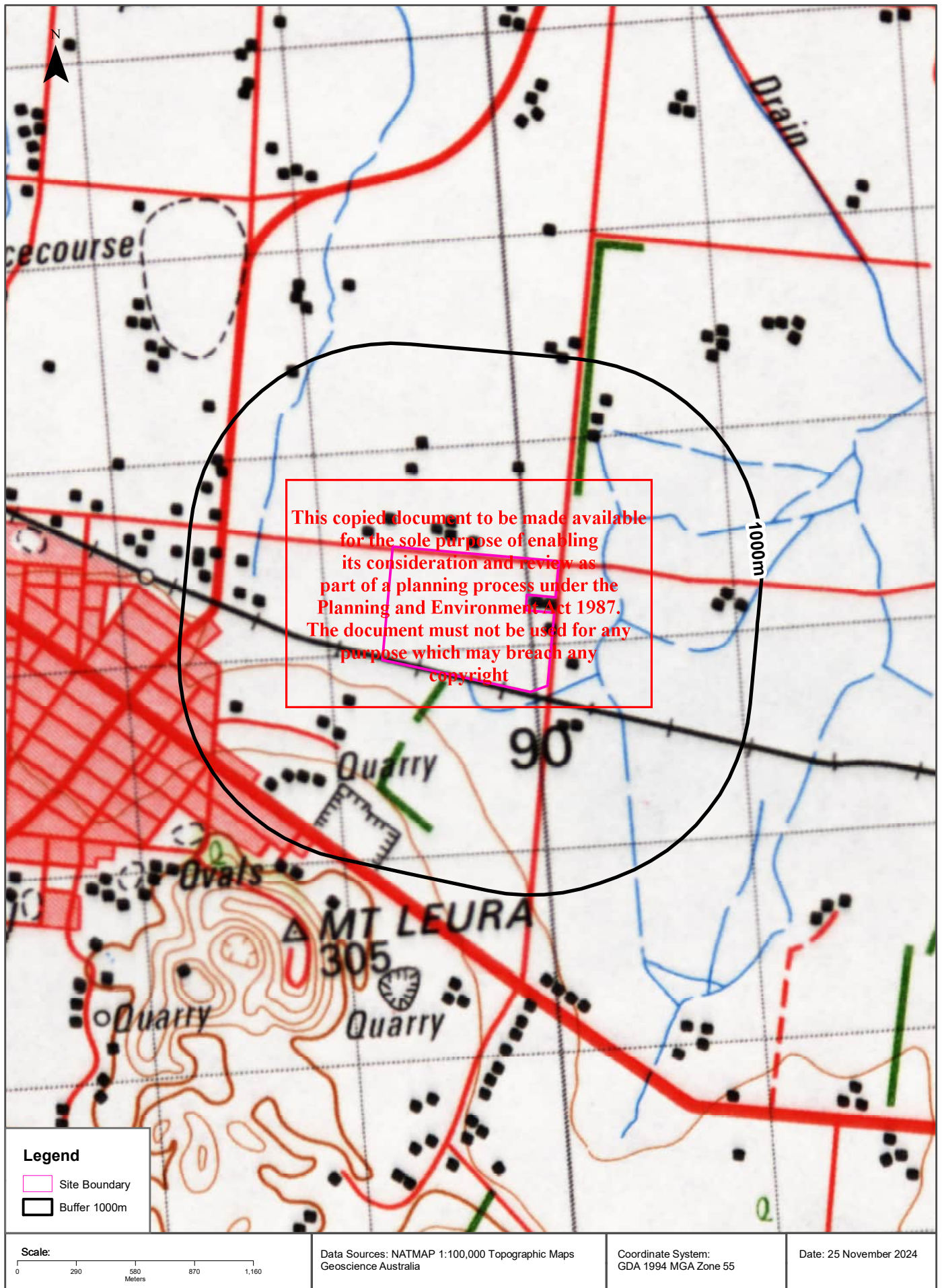


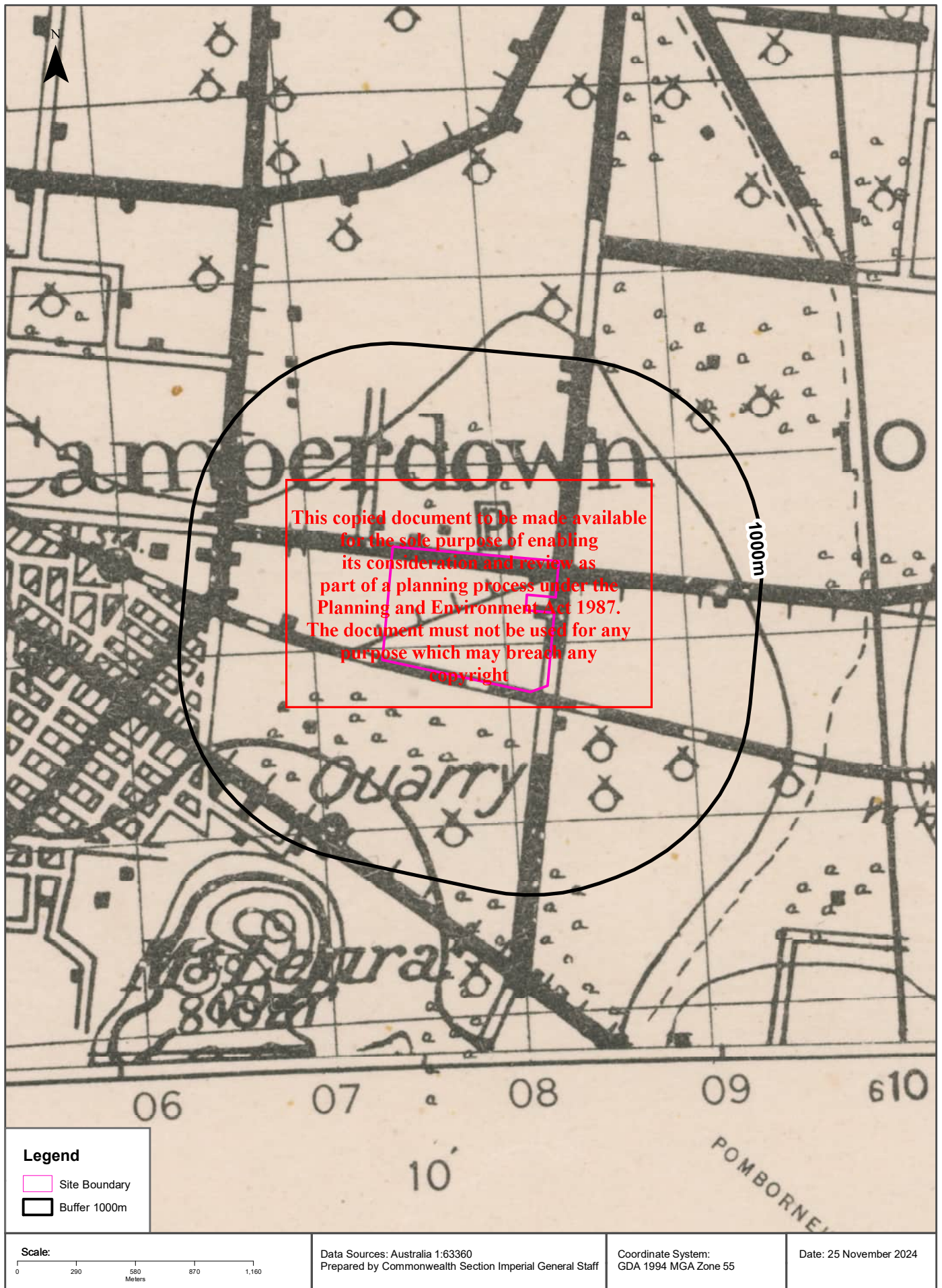












Features of Interest

Wire Lane, Camperdown, VIC 3260

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Features of Interest

Wire Lane, Camperdown, VIC 3260

Features of Interest

Features of Interest within the dataset buffer:

Feature Id	Feature Type	Feature Sub Type	Name	Distance	Direction
67689	excavation site	quarry		603m	South West
1239128	landmark	tower		815m	North East
988039	power facility	power sub station		855m	West
893596	storage facility	stockyard	Camperdown Regional Livestock Exchange	856m	West
1009372	reserve	park	Jaycees Park	941m	South West
969846	recreational resource	playground		977m	South West

Features of Interest Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Hydrogeology & Groundwater

Wire Lane, Camperdown, VIC 3260

Hydrogeology

Description of aquifers within the dataset buffer:

Description	Dist(m)	Dir
Fractured or fissured, extensive highly productive aquifers	0	On-site

Hydrogeology Map of Australia: Commonwealth of Australia (Geoscience Australia)

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Watertable Salinity

Watertable Salinity concentrations within the dataset buffer:

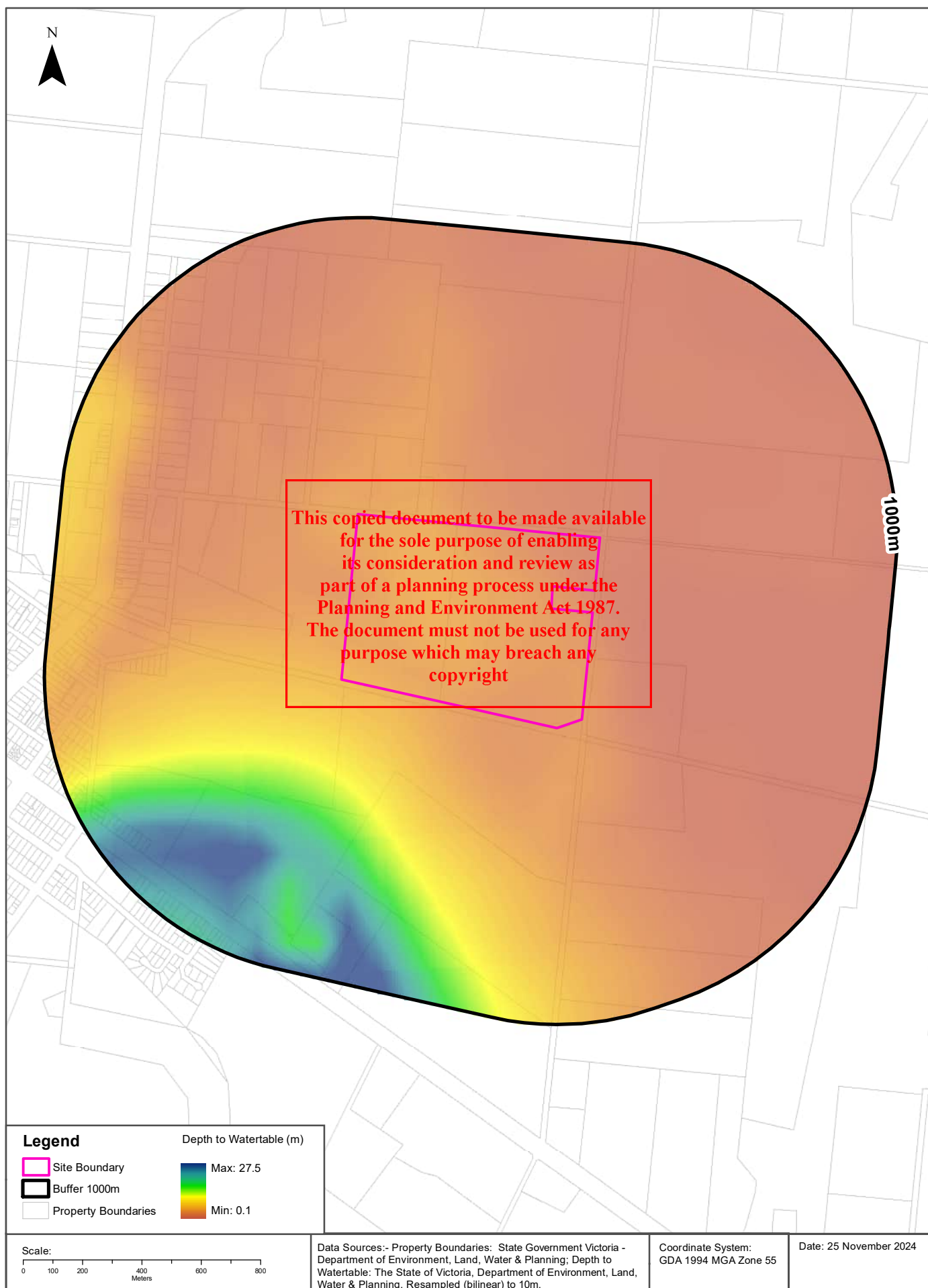
Groundwater Segment	Total Dissolved Solids (mg/L)	Dist(m)	Dir
B	1201 - 3100	0	On-site

Source: Watertable Salinity

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Hydrogeology & Groundwater

Wire Lane, Camperdown, VIC 3260

Depth to Watertable

On-site Depth to Watertable:

Depth to Watertable	Percent Of Site Area
Less than 5 metres	99
5 to 10 metres	1

Surface Elevation

Approximate on-site Surface Elevation:

Surface Elevation
153 AHDm to 163 AHDm

Basement Elevation

Approximate on-site Basement Elevation:

Basement Elevation - Basement Rocks comprise Lower Palaeozoic basement rocks that form the highlands and the crystalline basement; and Mesozoic rocks of the Otway and Gippsland basins both outcropping and subsurface
-289 AHDm to -268 AHDm

Groundwater Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Groundwater Boreholes

Wire Lane, Camperdown, VIC 3260

Boreholes (DELWP WMIS)

Boreholes from the Department of Environment, Land, Water & Planning's Water Measurement Information System, within the dataset buffer:

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Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
56134	Domestic, Stock	0.00m-5.79m CLAY 5.79m-18.90m STONE 18.90m-20.12m SCORIA 20.12m-21.33m CLAY	0.00m-21.33m INNER LINING - CASING = Not Known 5.79m-21.33m INNER LINING - SCREEN = Not Known		5.79m-21.33m	22/01/1973	436m	North West
WRK040268	Dairy, Irrigation, Stock		0.00m-38.10m INNER LINING - CASING = Galvanised Iron 9.14m-10.14m INNER LINING - SCREEN = Galvanised Iron		9.14m-10.14m	31/12/1967	523m	South West
WRK968098	Domestic & Stock	0.00m-1.00m TOP SOIL 1.00m-25.90m BASALT 25.90m-39.00m BASALT & AQ	0.00m-26.90m INNER LINING - CASING = Stainless Steel 26.90m-32.90m INNER LINING - SLOT = Pvc 0.00m-1.00m OUTER LINING - GRAVEL = Bentonite			16/01/2005	835m	East
WRK040269	Urban	0.00m-6.00m RUBBLE AND BOULDERS 6.00m-10.00m BLACK CLAY 10.00m-19.50m SOFT SANDSTONE 19.50m-24.38m BASALT 24.38m-26.50m GREY CLAY 26.50m-48.00m BASALT 48.00m-50.90m GRAVEL 50.90m-0.00m BOTTOMED ON ROCK	0.00m-33.50m INNER LINING - CASING = Steel 33.50m-50.90m INNER LINING - SCREEN = Steel		0.00m-33.50m	28/03/1983	954m	West
WRK980487							1269 m	West
56137	Domestic	12.00m-14.00m ROCK 14.00m-19.00m CLAY AND ROCK	0.00m-13.00m INNER LINING - CASING = Pvc 13.00m-19.00m INNER LINING - SCREEN = Pvc		13.00m-19.00m Basalt	08/05/1978	1320 m	North West
WRK974983							1413 m	West
56139	Domestic	0.00m-1.22m CLAY 1.22m-13.41m BASALT 13.41m-14.62m SCORIA	0.00m-1.22m INNER LINING - CASING = Not Known 1.22m-14.62m INNER LINING - SCREEN = Not Known		1.22m-14.62m Basalt	17/12/1981	1439 m	West
116492	Stock	0.00m-4.00m CLAY 4.00m-17.10m SANDSTONE & AQUIFER	-0.30m-4.90m INNER LINING - CASING = Pvc Class 9 4.90m-17.10m INNER LINING - SCREEN = Pvc Class 9			06/10/1993	1459 m	South
WRK032349	Dairy, Stock					01/01/1800	1489 m	South
WRK062345	Dairy					11/04/2011	1521 m	West
114720	Stock	0.00m-19.00m BASALT 19.00m-20.00m BLUE CLAY	-0.30m-2.50m INNER LINING - CASING = Fglass Ref Plast 2.50m-20.00m INNER LINING - SCREEN = Fglass Ref Plast		2.50m-20.00m Basalt	25/07/1992	1532 m	West
WRK077190	Observation	0.00m-15.00m BASALT	0.30m-2.50m INNER LINING - CASING = Pvc Class 9 2.50m-15.00m INNER LINING - SLOT = Pvc Class 9 0.00m-1.00m OUTER LINING - GRAVEL = Cement		2.50m-15.00m Basalt	10/12/2013	1532 m	South
56158	Domestic, Stock	0.00m-9.00m CLAY 9.00m-15.00m SCORIA	-0.30m-10.00m INNER LINING - CASING = Pvc 10.00m-15.00m INNER LINING - SCREEN = Pvc		10.00m-15.00m	15/02/1990	1542 m	North West
56150	Stock	0.00m-5.00m BLACK CLAY 5.00m-21.50m ROCK (BASALT) 21.50m-23.50m GRAVEL	0.00m-10.00m INNER LINING - CASING = Mild Steel 10.00m-16.00m INNER LINING - SCREEN = Mild Steel		10.00m-16.00m Gravel	01/10/1982	1597 m	North
56157	Domestic, Stock	0.00m-1.00m TOPSOIL AND CLAY 1.00m-6.00m BASALT 6.00m-6.50m GRAVEL 6.50m-11.00m BLACK MUD 11.00m-17.00m ROCK AND GRAVEL LAYERS	0.00m-6.00m INNER LINING - CASING = Pvc 6.00m-17.00m INNER LINING - SCREEN = Pvc		6.00m-17.00m Mudstone	24/08/1988	1641 m	West

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Bore Id	Use Type	Drillers Log	Construction	Latest Water Levels	Geology	Completed Date	Dist (m)	Dir
WRK032714	Irrigation	0.00m-4.00m CLAY 4.00m-8.00m STONE 8.00m-9.00m CLAY 9.00m-15.00m STONE	0.30m-10.00m INNER LINING - CASING = Pvc 10.00m-15.00m INNER LINING - SCREEN = Pvc			23/07/1998	1736 m	North West
WRK052943	Irrigation	0.00m-1.20m soil 1.20m-4.90m basalt 4.90m-12.50m basalt 12.50m-32.00m clay	0.30m-12.00m INNER LINING - CASING = Pvc			02/12/2009	1790 m	North West
WRK090211	Irrigation	0.00m-2.00m CLAY 2.00m-7.40m BASALT 7.40m-23.00m BASALT	0.30m-9.00m INNER LINING - CASING = Not Known 0.00m-6.00m OUTER LINING - GRAVEL = Cement			23/01/2016	1836 m	North West

Boreholes WMIS Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Groundwater Boreholes

Wire Lane, Camperdown, VIC 3260

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Boreholes (Earth Resources Database)

Boreholes from the Earth Resources dataset, within the dataset buffer:

Bore Id	Bore Type	Company	Usage	Method	Status	Drill Date	Depth	Elevation	Accuracy (m)	Dist (m)	Dir
56134		Private Individual/Corporation	Domestic & Stock water supply			22/01/1973	21.35		300	437m	North West
56143		Local Government Authority	Public/town water supply	Percussion (cable)		28/03/1983	50.90		100	955m	West
56137		Private Individual/Corporation	Domestic water supply	Percussion (cable)		08/05/1978	19.00		300	1322m	North West
56139		Private Individual/Corporation	Domestic water supply	Percussion (cable)		17/12/1981	44.00		100	1440m	West
56150		Private Individual/Corporation	Stock/Poultry water supply	Percussion (cable)		01/10/1982	23.50		100	1599m	North

Boreholes Earth Resources Data Source: © The State of Victoria, Department of Economic Development, Jobs, Transport and Resources 2015. Creative Commons Attribution 3.0 Australia

Boreholes (Federation University)

Boreholes from the Federation University Australia dataset, within the dataset buffer:

Bore Id	Authority	Type	Uses	Initial TD	Log	Dist (m)	Dir
56134	Private Landholders Bore	Groundwater	Domestic Stock	759.00	D: 0.000m-5.790m Clay D: 5.790m-18.900m Stone D: 18.900m-20.120m Scoria D: 20.120m-21.330m Clay	436m	North West
S9021467/1		Groundwater	Domestic (DM) Stock (ST)		D: 0.000m-1.000m Top Soil D: 1.000m-25.900m Basalt D: 25.900m-39.000m Basalt & Aq	835m	East
56143	Private Landholders Bore	Groundwater	Urban	718.70	D: 0.000m-6.000m Rubble And Boulders D: 6.000m-10.000m Black Clay D: 10.000m-19.500m Soft Sandstone D: 19.500m-24.380m Basalt D: 24.380m-26.500m Grey Clay D: 26.500m-48.000m Basalt D: 48.000m-50.900m Gravel D: 50.900m-0.000m Bottomed On Rock	954m	West
133163		Groundwater	Domestic		D: 0.000m-1.500m Topsoil & Clay D: 1.500m-11.600m Sandstone D: 11.600m-22.000m Sandstone & Aquifer	1170m	South West
S9030561/1	Private Landholders Bore	Groundwater				1269m	West
56137	Private Landholders Bore	Groundwater	Domestic	893.00	D: 0.000m-12.000m No Details Available D: 12.000m-14.000m Rock D: 14.000m-19.000m Clay And Rock	1320m	North West
S9026347/1		Groundwater				1413m	West
56139	Private Landholders Bore	Groundwater	Domestic	540.00	D: 0.000m-1.220m Clay D: 1.220m-13.410m Basalt D: 13.410m-14.620m Scoria	1439m	West
116492		Groundwater	Stock		D: 0.000m-4.000m Clay D: 4.000m-17.100m Sandstone & Aquifer	1459m	South

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Bore Id	Authority	Type	Uses	Initial TD	Log	Dist (m)	Dir
124742	Private Landholders Bore	Groundwater	Stock Dairy			1489 m	South
114720		Groundwater	Stock		D: 0.000m-19.000m Basalt D: 19.000m-20.000m Blue Clay	1532 m	West
56158	Private Landholders Bore	Groundwater	Domestic Stock		D: 0.000m-9.000m Clay D: 9.000m-15.000m Scoria	1542 m	North West
56150	Private Landholders Bore	Groundwater	Stock	655.00	D: 0.000m-5.000m Black Clay D: 5.000m-21.500m Rock (Basalt) D: 21.500m-23.500m Gravel	1597 m	North
56157	Private Landholders Bore	Groundwater	Domestic Stock	838.50	D: 0.000m-1.000m Topsoil And Clay D: 1.000m-6.000m Basalt D: 6.000m-6.500m Gravel D: 6.500m-11.000m Black Mud D: 11.000m-17.000m Rock And Gravel Layers	1641 m	West
137777		Groundwater	Irrigation		D: 0.000m-4.000m Clay D: 4.000m-8.000m Stone D: 8.000m-9.000m Clay D: 9.000m-15.000m Stone	1736 m	North West
WRK052943		Groundwater	Irrigation		D: 0.000m-1.200m Soil D: 1.200m-4.900m Basalt D: 4.900m-12.500m Basalt D: 12.500m-32.000m Clay	1790 m	North West

Boreholes FedUni Data Source: © Federation University Australia

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Historical Mining Activity - Shafts

Wire Lane, Camperdown, VIC 3260

Historical Mining Activity - Shafts

Mine Shaft Locations were collected by a variety of methods from 1869 in some areas of the state, mainly concentrating in Ballarat and Bendigo. In places a shaft may be recorded multiple times with a different source. In cases where several shaft locations are shown close together (generally with separations less than stated position errors) and they have different sources, it is possible that one shaft has been mapped several times. In cases where several shaft locations are shown close together but they have the same information source, it is possible that each shaft location represents a different shaft on the ground.

Historical Mine Shafts within the dataset buffer:

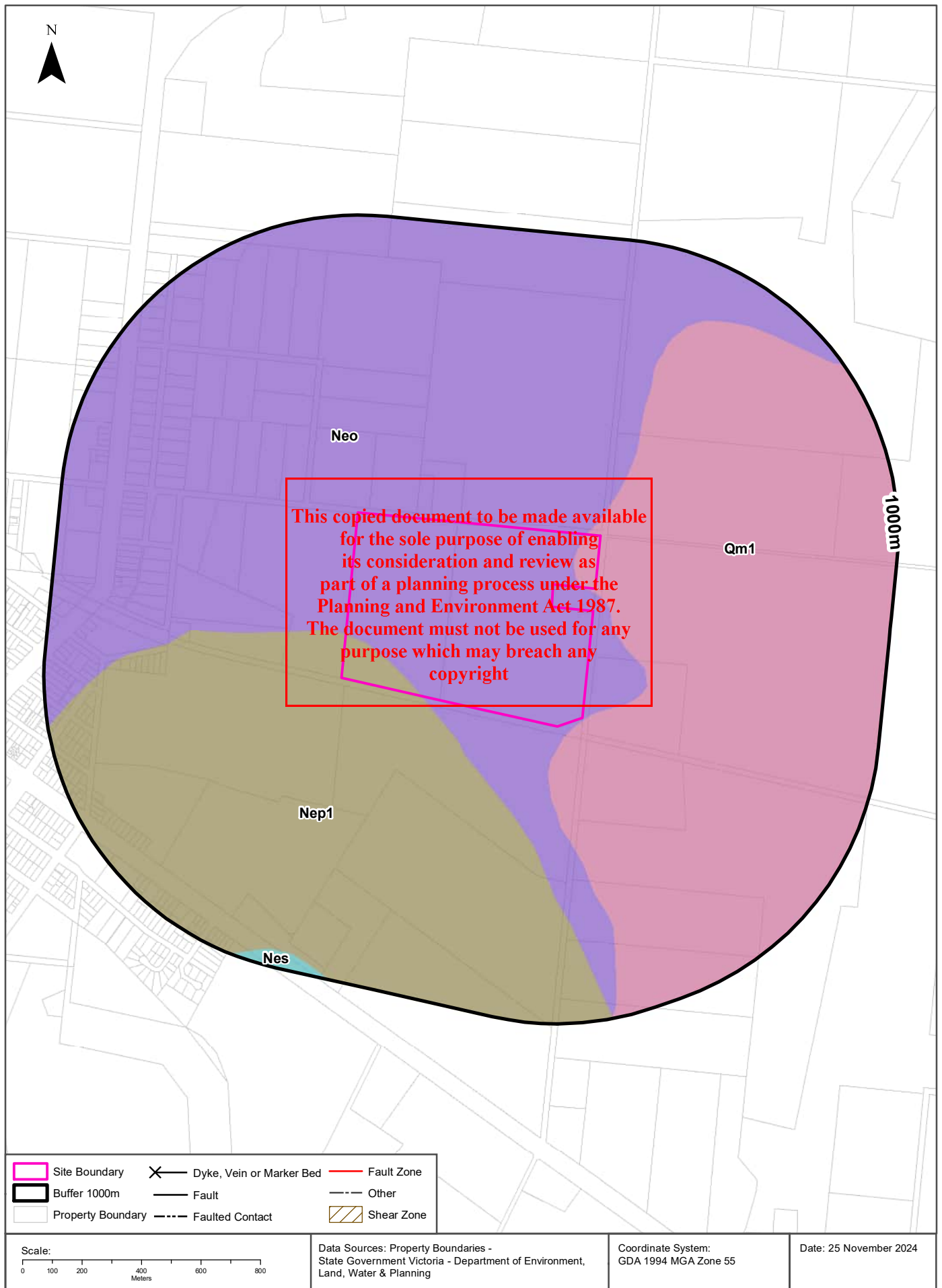
Map Id	Name	Source	Depth (m)	Collar (ft)	Fill/Cap Method	Location Desc	Location Accuracy	Distance	Direction
N/A	No records in buffer								

Historical Mining Activity Data Custodian: State Government Victoria - Dept of Economic Development, Jobs, Transport & Resources

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Geology

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Geological Units 1:50,000

What are the Geological Units within the dataset buffer?

Symbol	Name	Description	Geological Age	Lithology	Distance	Direction
Neo	Newer Volcanic Group - basalt flows (Neo): generic	Olivine tholeiite, quartz tholeiite, basanite, basaltic icelandite, hawaiite, mugearite, minor scoria and ash, fluvial sediments: tholeiitic to alkaline; includes sheet flows and valley flows and intercalated gravel, sand, clay	Miocene to Holocene	alkali basalt (major proportion); tholeiitic basalt (major proportion); alluvium (minor proportion); tuff (minor proportion)	0m	On-site
Nep1	Newer Volcanic Group - tuff rings (Nep1): generic	Tuff rings: pyroclastic base surge and fall deposits consisting of ash, lapilli, scoria, volcanic bombs and calcareous lithic fragments; well-bedded, well sorted, moderately consolidated	Miocene to Holocene	carbonate rock (significant); pyroclastic sediment (all)	0m	On-site
Qm1	swamp and lake deposits (Qm1): generic	Grey to black carbonaceous mud, silt, clay, minor peat: generally unconsolidated; rare dolomite	Pleistocene to Holocene	mud (major proportion); silt material (significant); clay lithology (significant); peat (minor proportion)	0m	On-site
Nes	Newer Volcanic Group - scoria deposits (Nes): generic	Hawaiite, basanite, nephelinite, mugearite, trachybasalt, trachyandesite; scoria, ash, lapilli, agglutinated lava spatter, volcanic bombs, minor lava flows and calcareous lithic fragments: massive to moderately bedded, poorly consolidated	Miocene to Holocene	lava flow rock type (minor proportion); pyroclastic sediment (all)	939m	South West

Geology Data Custodian: State Government Victoria - Dept of Economic Development, Jobs, Transport & Resources
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Geology

Wire Lane, Camperdown, VIC 3260

Geological Structures 1:50,000

What are the Geological Faults or Faulted Contacts within the dataset buffer?

Map Id	Type	Name	Contact	Positional Accuracy	Distance	Direction
N/A	No records in buffer					

What are the Dykes, Marker Beds and Veins within the dataset buffer?

Map Id	Type	Name	Description	Positional Accuracy	Distance	Direction
N/A	No records in buffer					

Geological Structures 1:250,000

What are the Shear Zones within the dataset buffer?

Map Id	Type	Name	Description	Positional Accuracy	Distance	Direction
N/A	No records in buffer					

Geology Data Custodian: State Government Victoria - Dept of Economic Development, Jobs, Transport & Resources
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Soils

Wire Lane, Camperdown, VIC 3260

Atlas of Australian Soils

Soil mapping units and Australian Soil Classification orders within the dataset buffer:

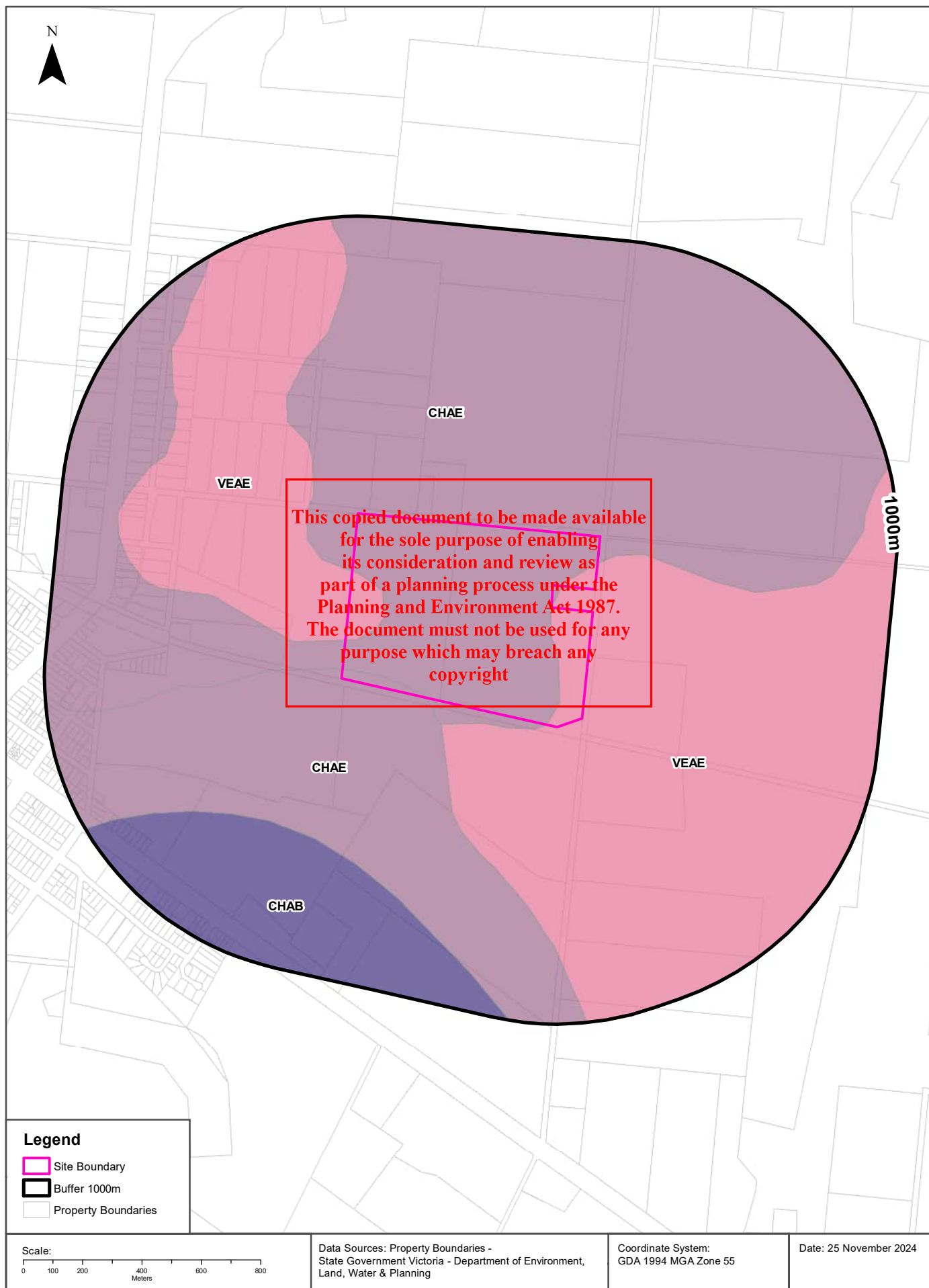
Map Unit Code	Soil Order	Map Unit Description	Distance	Direction
GG1	Dermosol	Plains with swamps, lakes, and their lunettes; volcanic cones and stony rises: friable earths (Gn3.43, Gn3.42, Gn3. 11) on lunettes, in the vicinity of some volcanic cones, between stony rises, and on some undulating portions of the plain; friable loamy soils (Um6.12 and Um6.33) on and near stony rises: friable red soils (Dr4.1, Dr4.2), friable dark soils (Dd4.13, Dd3.11), and structured red clays (Uf6.31) on and near some volcanic cones; hard alkaline yellow mottled soils (Dy3.43) with hard neutral dark soils (Dd2.32) on the plains; dark cracking clays (Ug5.15 and Ug5.16) along some creek valleys Note.--Even the "hard" soils of the plain areas included here have darker (more friable?) surface horizons than do their close relatives in adjacent units, e.g. than (Dy3.43) in unit Va2.	0m	On-site

Atlas of Australian Soils Data Source: CSIRO

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Soils

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Victorian Soil Type Mapping

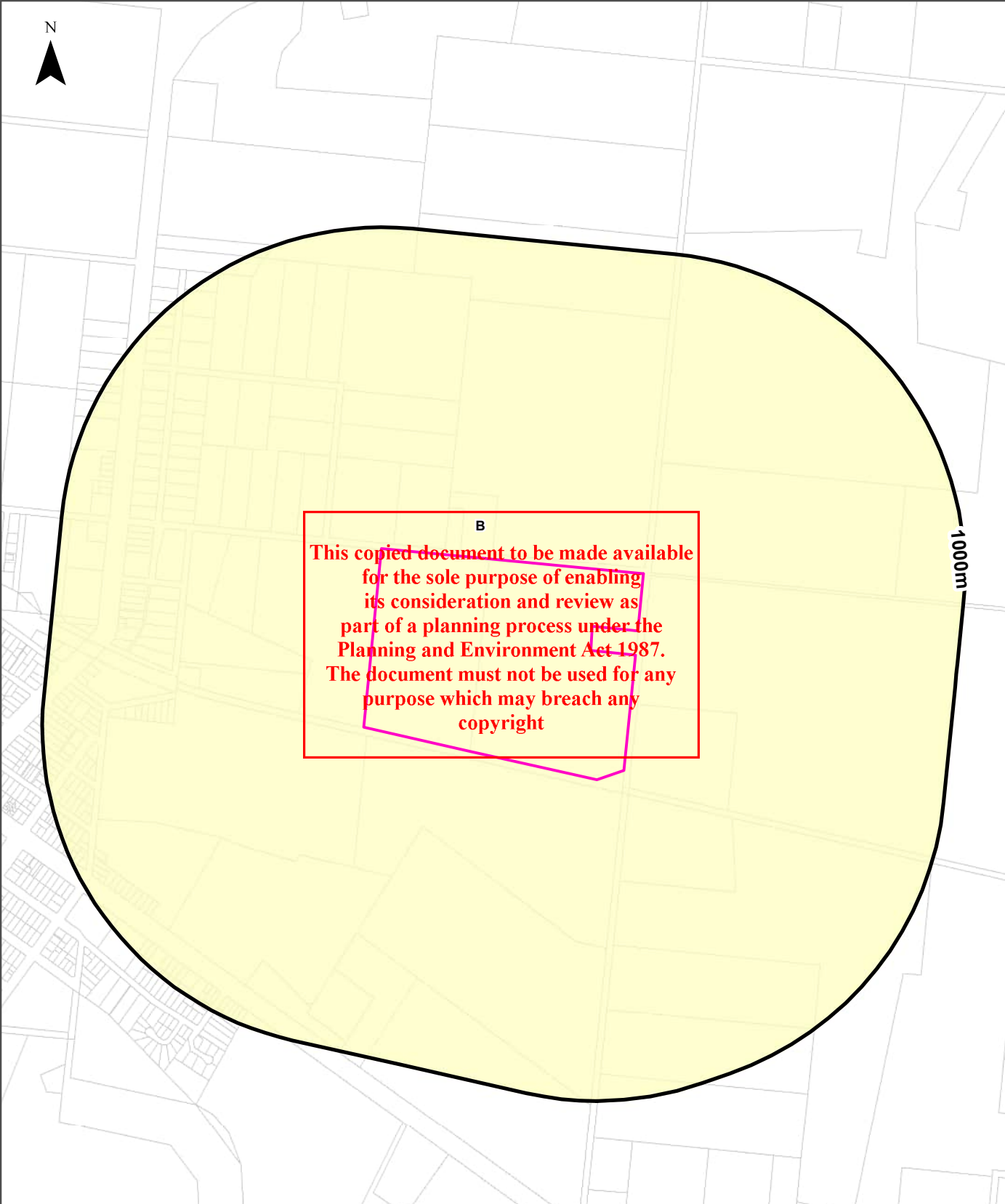
Victorian Soil Types within the dataset buffer:

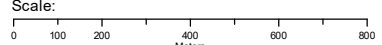
Symbol	Description	Distance	Direction
VEAE	Vertosols Black	0m	On-site
CHAE	Chromosols Black	0m	On-site
CHAB	Chromosols Brown	532m	South West

Victorian Soil Type Mapping Data Source: Department of Economic Development, Jobs, Transport and Resources
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Legend		Probability of occurrence of Acid Sulfate Soils	
 Site Boundary	 A. High (>70%)	 C. Extremely Low (1-5%)	
 Buffer 1000m	 B. Low (6-70%)	 D. No Chance (0%)	
 Property Boundary			
Scale: 		Data Sources: Property Boundaries & Topographic Data: State of Victoria - Department of Environment and Primary Industries	Coordinate System: GDA 1994 MGA Zone 55
		Date: 25 November 2024	

Acid Sulfate Soils

Wire Lane, Camperdown, VIC 3260

Atlas of Australian Acid Sulfate Soils

Atlas of Australian Acid Sulfate Soil categories within the dataset buffer:

Class	Description	Distance	Direction
B	Low Probability of occurrence. 6-70% chance of occurrence.	0m	On-site

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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Acid Sulfate Soils

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Coastal Acid Sulfate Soils

Coastal Acid Sulfate Soil types within the dataset buffer:

Coastal Acid Sulfate Soil Types	Distance (m)	Direction
No records in buffer		

Coastal Acid Sulfate Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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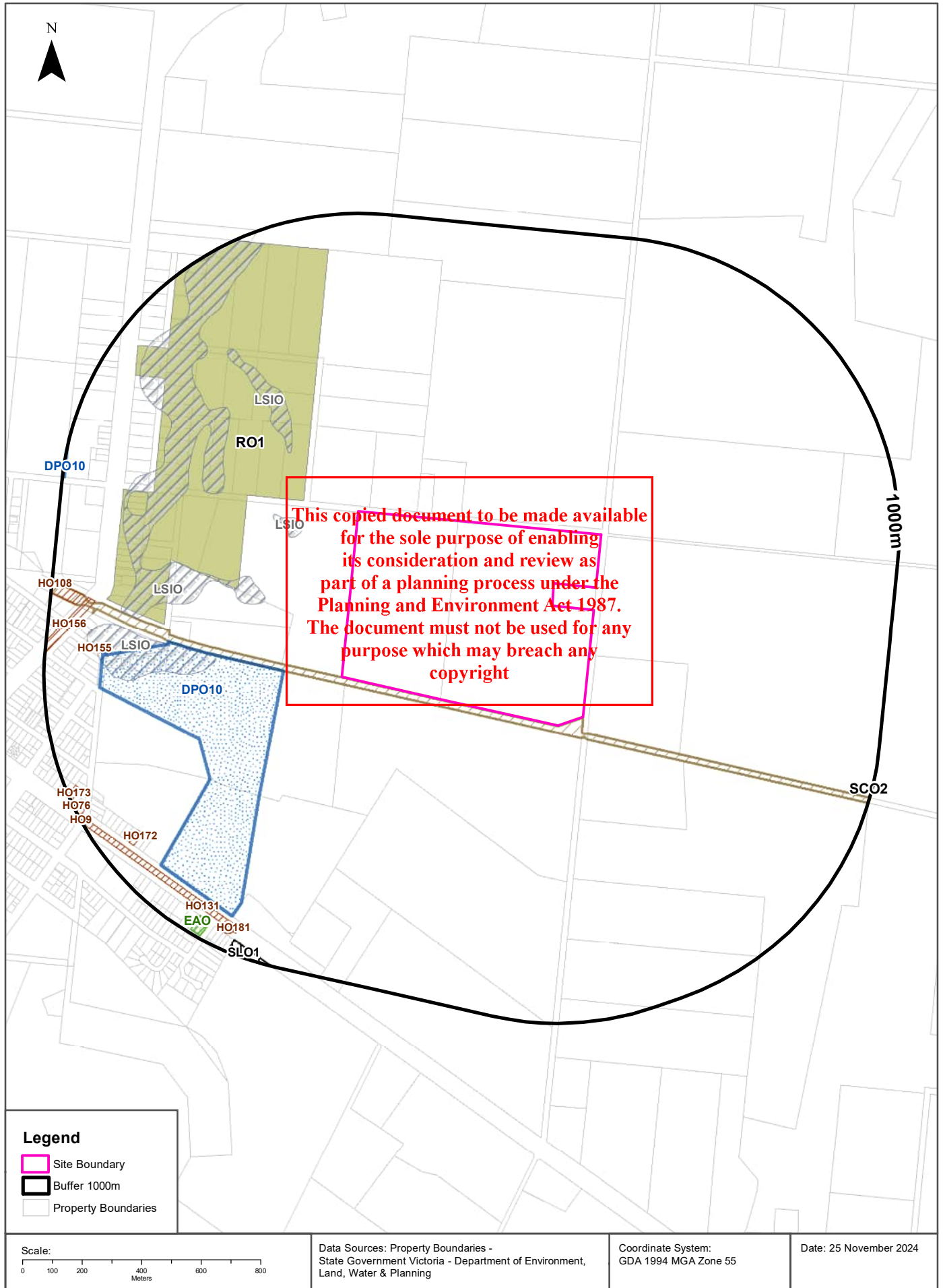
Planning Zones

Planning zones within the dataset buffer:

Zone Code	Description	Distance	Direction
FZ1	FARMING ZONE - SCHEDULE 1	0m	On-site
RLZ	RURAL LIVING ZONE	180m	West
LDRZ1	LOW DENSITY RESIDENTIAL ZONE - SCHEDULE 1	197m	South West
TRZ1	TRANSPORT ZONE 1 - STATE TRANSPORT INFRASTRUCTURE	197m	West
LDRZ1	LOW DENSITY RESIDENTIAL ZONE - SCHEDULE 1	377m	West
GRZ1	GENERAL RESIDENTIAL ZONE - SCHEDULE 1	522m	West
PUZ6	PUBLIC USE ZONE - LOCAL GOVERNMENT	592m	West
TRZ2	TRANSPORT ZONE 2 - PRINCIPAL ROAD NETWORK	791m	West
GRZ1	GENERAL RESIDENTIAL ZONE - SCHEDULE 1	835m	West
LDRZ1	LOW DENSITY RESIDENTIAL ZONE - SCHEDULE 1	853m	North West
PUZ1	PUBLIC USE ZONE - SERVICE AND UTILITY	855m	West
IN1Z	INDUSTRIAL 1 ZONE	856m	West
PUZ7	PUBLIC USE ZONE - OTHER PUBLIC USE	875m	West
TRZ1	TRANSPORT ZONE 1 - STATE TRANSPORT INFRASTRUCTURE	887m	West
GRZ1	GENERAL RESIDENTIAL ZONE - SCHEDULE 1	913m	West
GRZ1	GENERAL RESIDENTIAL ZONE - SCHEDULE 1	926m	South West
PPRZ	PUBLIC PARK AND RECREATION ZONE	941m	South West
FZ1	FARMING ZONE - SCHEDULE 1	952m	South West
PUZ6	PUBLIC USE ZONE - LOCAL GOVERNMENT	953m	West

Planning Zone Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Planning Overlays

Planning overlays within the dataset buffer:

Zone Code	Description	Distance	Direction
SCO2	SPECIFIC CONTROLS OVERLAY - PS MAP REF SCO2	0m	South West
LSIO	LAND SUBJECT TO INUNDATION OVERLAY	184m	North West
RO1	RESTRUCTURE OVERLAY - SCHEDULE 1	188m	North West
DPO10	DEVELOPMENT PLAN OVERLAY - SCHEDULE 10	197m	South West
LSIO	LAND SUBJECT TO INUNDATION OVERLAY	284m	North West
LSIO	LAND SUBJECT TO INUNDATION OVERLAY	303m	North West
LSIO	LAND SUBJECT TO INUNDATION OVERLAY	426m	West
HO155	HERITAGE OVERLAY (HO155)	816m	West
HO156	HERITAGE OVERLAY (HO156)	849m	West
HO172	HERITAGE OVERLAY (HO172)	850m	South West
HO131	HERITAGE OVERLAY (HO131)	885m	South West
HO108	HERITAGE OVERLAY (HO108)	887m	West
HO181	HERITAGE OVERLAY (HO181)	903m	South West
EAO	ENVIRONMENTAL AUDIT OVERLAY	930m	South West
SLO1	SIGNIFICANT LANDSCAPE OVERLAY - SCHEDULE 1	952m	South West
HO173	HERITAGE OVERLAY (HO173)	954m	South West
HO76	HERITAGE OVERLAY (HO76)	972m	South West
HO9	HERITAGE OVERLAY (HO9)	986m	South West
DPO10	DEVELOPMENT PLAN OVERLAY - SCHEDULE 10	994m	West

Planning Overlay Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Heritage

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Commonwealth Heritage List

What are the Commonwealth Heritage List Items located within the dataset buffer?

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
N/A	No records in buffer							

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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National Heritage List

What are the National Heritage List Items located within the dataset buffer?

Note. Please click on Place Id to activate a hyperlink to online website.

Place Id	Name	Address	Place File No	Class	Status	Register Date	Distance	Direction
N/A	No records in buffer							

Heritage Data Source: Australian Government Department of the Environment and Energy - Heritage Branch
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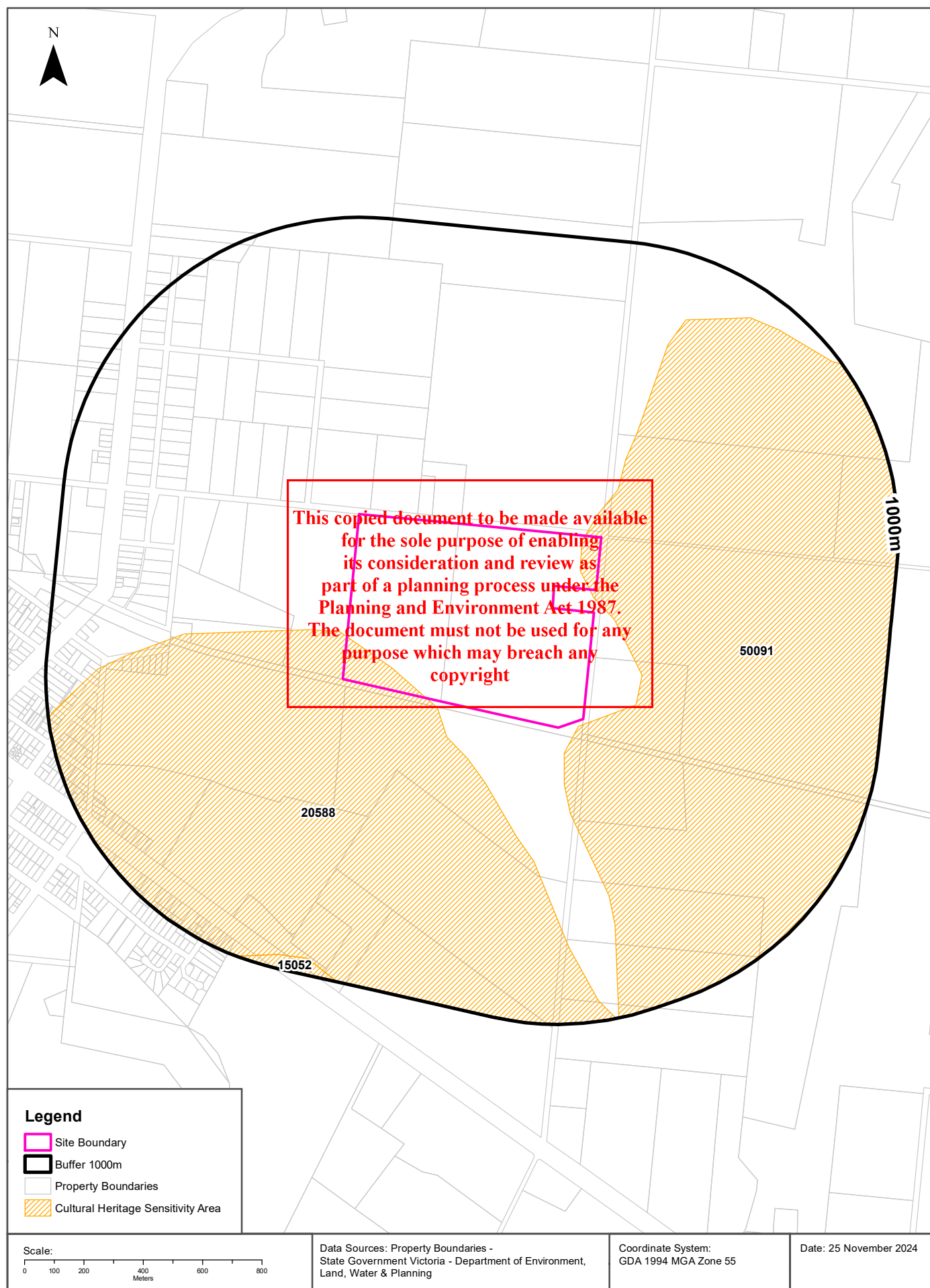
Victorian Heritage Register

What are the Victorian Heritage Register items located within the dataset buffer?:

VHR Number	Description	Distance	Direction
H0647	FINLAY AVENUE OF ELMS, MANIFOLD CLOCK TOWER AND PU	986m	South West

Victorian Heritage Register Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Heritage

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Cultural Heritage Sensitivity

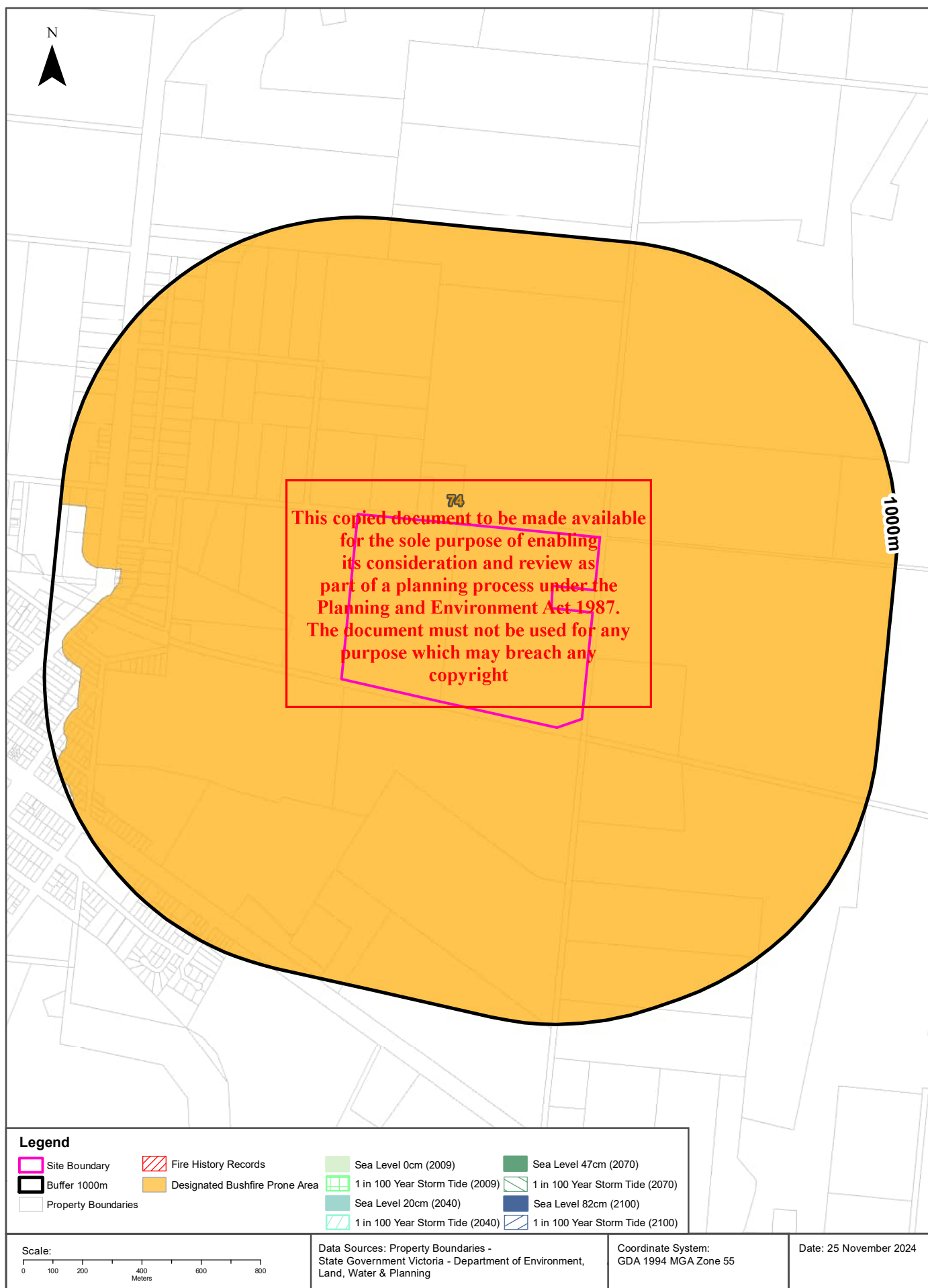
Areas of Cultural Heritage Sensitivity as specified in Division 3 of Part 2 in the Victorian Aboriginal Heritage Regulations 2018, within the dataset buffer:

Map Id	Distance	Direction
20588	0m	On-site
50091	0m	On-site
15052	944m	South West

Cultural Heritage Sensitivity Data Custodian: State Government Victoria - Department of Premier and Cabinet
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Natural Hazards

Wire Lane, Camperdown, VIC 3260

Bushfire Prone Areas

What are the designated bushfire prone areas within the dataset buffer?

Map ID	Feature	Plan No	LGA	Gazetted Date	Distance	Direction
74	Designated Bushfire Prone Area	LEGL./13-163	CORANGAMITE	08/08/2013	0m	On-site

Bushfire Prone Area Data Custodian: State Government Victoria - Dept of Transport, Planning & Local Infrastructure
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Fire History

What are the fire history records of fires primarily on public land, within the dataset buffer?

Map Id	Fire Type	Fire Key	Season	Fire No	Fire Name	Treatment	Fire Cover	Start Date	Dist (m)	Direction
N/A	No records in buffer									

Fire History Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Natural Hazards

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Victorian Coastal Inundation Sea Level Rise

What coastal inundation sea level rise features exist within the dataset buffer?

Description	Distance	Direction
No records in buffer		

Victorian Coastal Inundation Sea Level Rise Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning

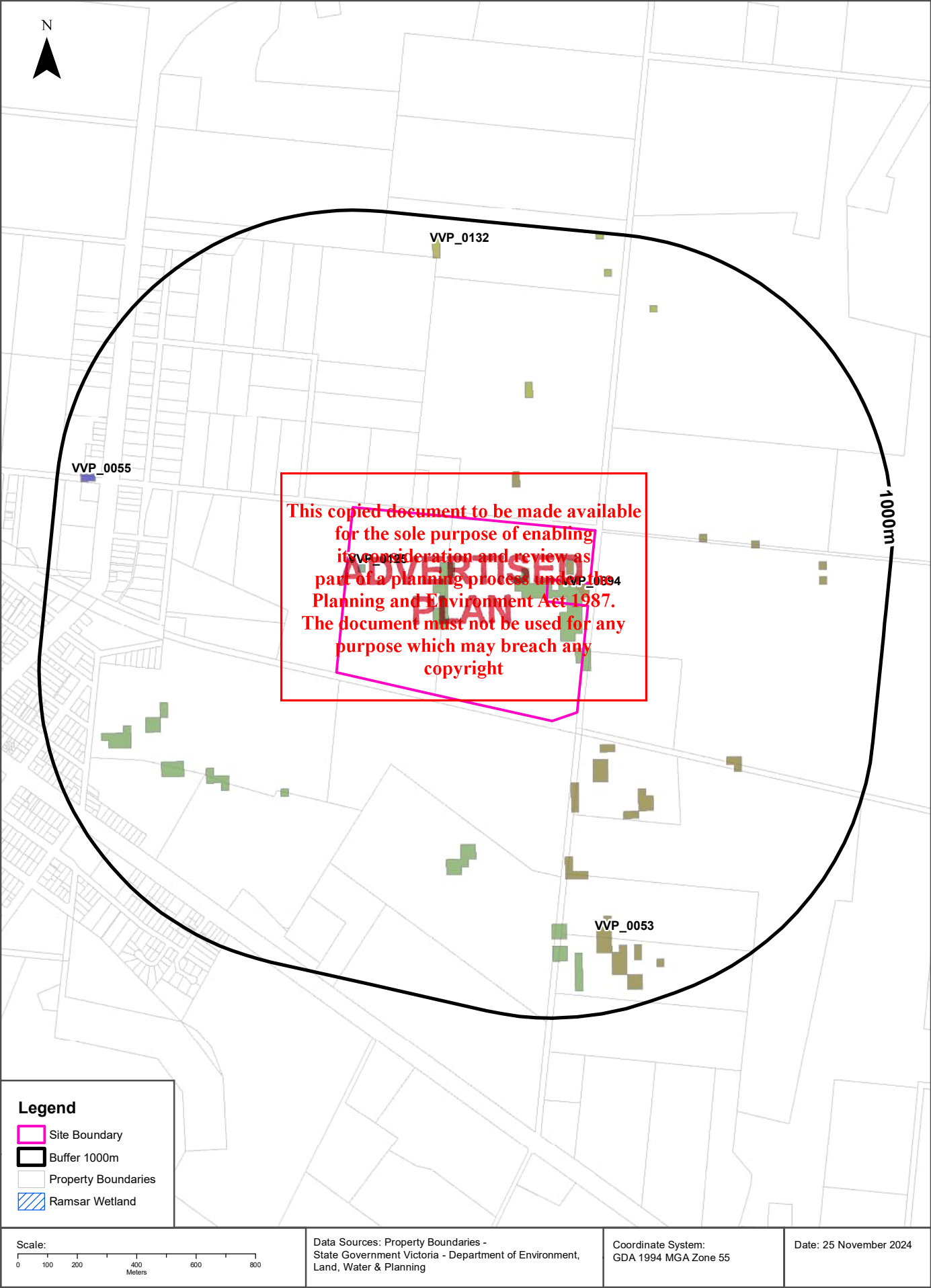
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Ecological Constraints - Native Vegetation 2005 & Ramsar Wetlands

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Ecological Constraints

Wire Lane, Camperdown, VIC 3260

Native Vegetation (Modelled 2005 Ecological Vegetation Classes)

What native vegetation exists within the dataset buffer?

Veg Code	EVC Name	EVCCode	Group	Subgroup	Bioregion	Conservation Status	Geographic Occurance	Dist	Dir
VVP_0894	Scoria Cone Woodland	0894	Lower Slopes or Hills Woodlands	Grassy	Victorian Volcanic Plain	Endangered	Common	0m	On-site
VVP_0125	Plains Grassy Wetland	0125	Wetlands	Freshwater	Victorian Volcanic Plain	Endangered	Common	0m	On-site
VVP_0053	Swamp Scrub	0053	Riparian Scrubs or Swampy Scrubs and Woodlands		Victorian Volcanic Plain	Endangered	Common	0m	On-site
VVP_0132	Plains Grassland	0132	Plains Grasslands and Chenopod Shrublands	Clay soils	Victorian Volcanic Plain	Endangered	Common	426m	North
VVP_0055	Plains Grassy Woodland	0055	Plains Woodlands or Forests	Freely-draining	Victorian Volcanic Plain	Endangered	Common	870m	West

Native Vegetation Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Ramsar Wetlands

What Ramsar wetland areas exist within the dataset buffer?

Map ID	Site Name	Lake Name	Distance	Direction
N/A	No records in buffer			

Ramsar Wetland Area Data Custodian: State Government Victoria - Dept of Environment, Land, Water & Planning
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Ecological Constraints

Wire Lane, Camperdown, VIC 3260

Collaborative Australian Protected Areas Database - Terrestrial

Protected areas in terrestrial environments identified by the CAPAD within the dataset buffer:

Map ID	Area Name	Area Details	Management Category	Authority	Jurisdiction	Dist	Dir
N/A	No records in buffer						

Collaborative Australian Protected Areas Database - Marine

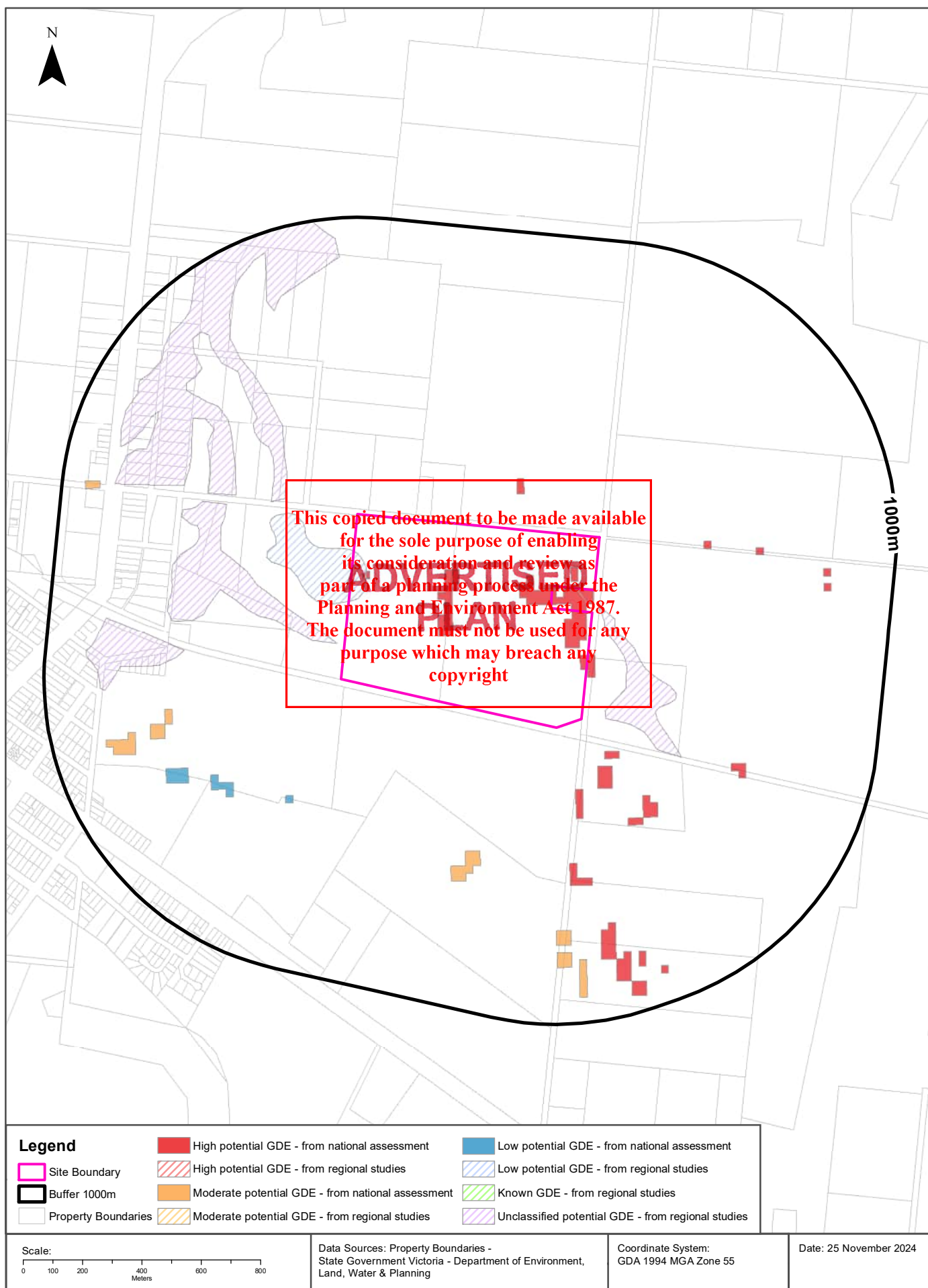
Protected areas in marine environments identified by the CAPAD within the dataset buffer:

Map ID	Area Name	Area Details	Management Category	Authority	Jurisdiction	Dist	Dir
N/A	No records in buffer						

Source: Collaborative Australian Protected Areas Database (CAPAD) 2022
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Ecological Constraints

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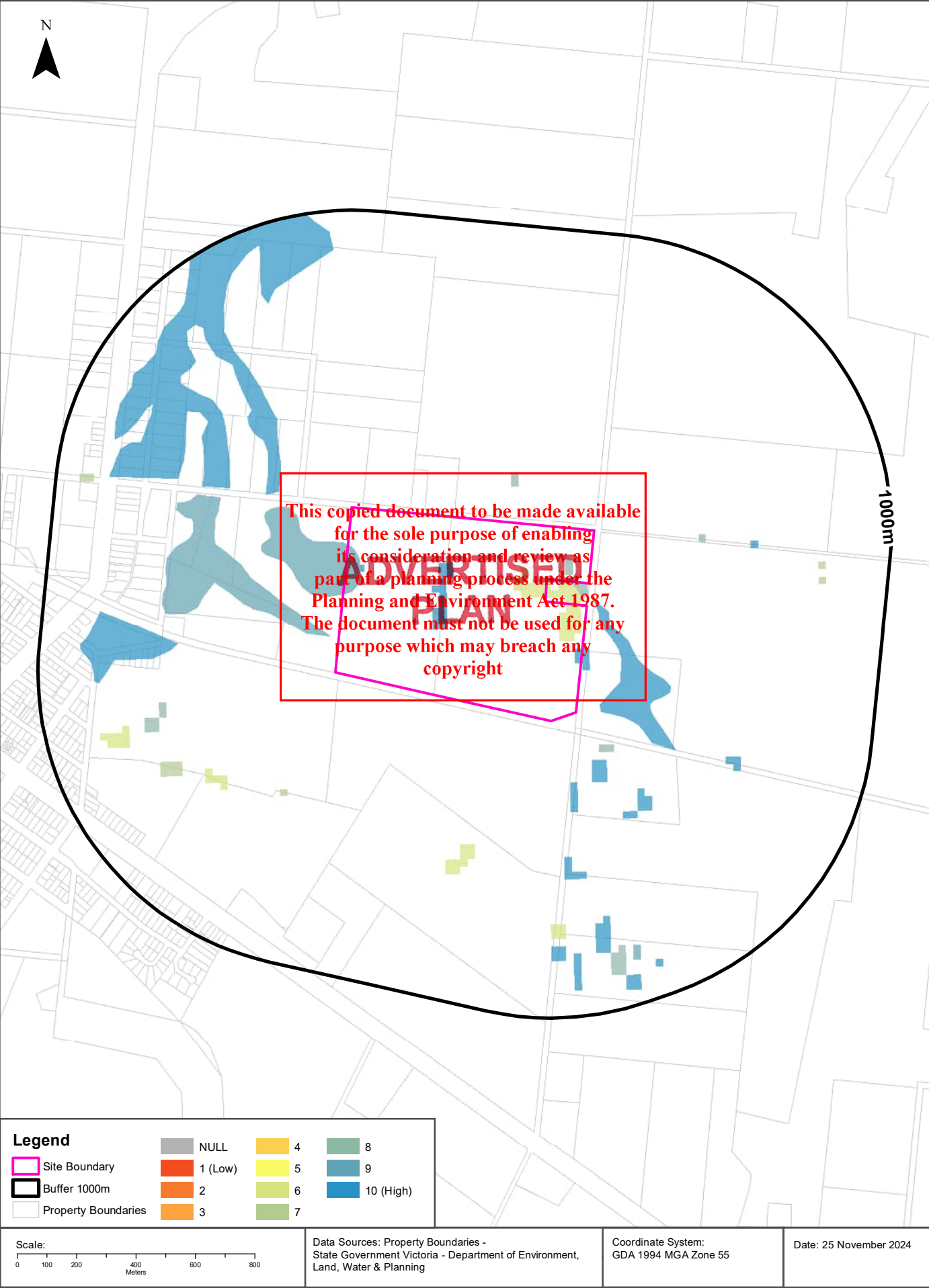
Groundwater Dependent Ecosystems Atlas

Type	Name	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial		High potential GDE - from national assessment	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Vegetation	Fractured rock	0m	On-site
Aquatic		Low potential GDE - from regional studies	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Wetland		0m	On-site
Aquatic		Unclassified potential GDE - from regional studies	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Wetland		26m	West
Terrestrial		Low potential GDE - from national assessment	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Vegetation	Fractured rock	422m	South West
Terrestrial		Moderate potential GDE - from national assessment	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Vegetation	Fractured rock	459m	South

Groundwater Dependent Ecosystems Atlas Data Source: The Bureau of Meteorology
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Ecological Constraints

Wire Lane, Camperdown, VIC 3260

Inflow Dependent Ecosystems Likelihood

Type	Name	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance	Direction
Terrestrial		6	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Vegetation	Fractured rock	0m	On-site
Aquatic		9	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Wetland		0m	On-site
Terrestrial		10	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Vegetation	Fractured rock	0m	On-site
Terrestrial		8	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Vegetation	Fractured rock	0m	On-site
Aquatic		10	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Wetland		29m	South East
Terrestrial		7	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Vegetation	Fractured rock	422m	South West
Terrestrial		9	Plains mainly on basalt lavas with many volcanic forms and lakes, partly on weak sedimentary rocks.	Vegetation	Fractured rock	800m	South East

Inflow Dependent Ecosystems Likelihood Data Source: The Bureau of Meteorology
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LC Code	Location Confidence
Premise Match	Georeferenced to the site location / premise or part of site
Area Match	Georeferenced to an approximate or general area
Road Match	Georeferenced to a road or rail corridor
Road Intersection	Georeferenced to a road intersection
Buffered Point	A point feature buffered to x metres
Adjacent Match	Land adjacent to a georeferenced feature
Network of Features	Georeferenced to a network of features
Suburb Match	Georeferenced to a suburb boundary
As Supplied	Spatial data supplied by provider

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Appendix C DELWP Groundwater Resource Report

Preliminary Site Investigation – Contamination Assessment

Camperdown Battery Energy Storage System (BESS)

Camperdown BESS Pty Ltd

SLR Project No.: 620.041535.00001

16 January 2025

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Groundwater Resource Report

Groundwater catchment: Hopkins - Corangamite

VICGRID94 Easting: 2339439 Northing: 2361651

Depth to water table: < 5m

Water table salinity (mg/L): 1001 - 3500

Groundwater layers (Aquifers and Aquitards)	Depth below surface (m)	Groundwater salinity (mg/L)
UTB Upper Tertiary / Quaternary Basalt basalt (fractured rock)	0 - 10	1001 - 3500
UTAM Upper Tertiary Aquifer (marine) sand	10 - 78	501 - 1000
UMTD Lower Mid-Tertiary Aquitard clay, silt, siltstone (fractured rock), marl (fractured rock), minor sand	78 - 317	Unknown
LMTD Lower Mid-Tertiary Aquitard clay, silt, siltstone (fractured rock), marl (fractured rock), minor sand	317 - 445	Unknown
BSE Mesozoic and Palaeozoic Bedrock (basement) sedimentary (fractured rock): Sandstone, siltstone, mudstone, shale. Igneous (fractured rock): includes volcanics, granites, granodiorites.	445 - 645	3501 - 13000

Groundwater management unit (GMU)	Depth below surface (m)	PCV (ML/yr)
COLONGULAC GMA	0-60	4,695

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For further information about this report contact:
Department of Environment, Land, Water & Planning
Email: ground.water@delwp.vic.gov.au

For further information on groundwater licensing in this area contact:
Southern Rural Water Corporation
Phone: 1300 139 510
Email: srw@srw.com.au
Website: www.srw.com.au

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Printed: 19 December 2024

Date Updated: 11 January 2019



Environment,
Land, Water
and Planning

Introduction

Groundwater is part of the water cycle. When rain or snow falls on land, some of it evaporates, some flows to streams and rivers, and some seeps into the soil. Some of the water in the soil is used by plants but some continues to move down through the soil and rock until all the pores and cracks are full of water. This is known as the water table and this water is called groundwater.

Groundwater is a finite resource that, like surface water, is allocated under the Water Act (1989). A Bore Construction Licence is required to drill for groundwater including for domestic and stock purposes. Taking and using groundwater for commercial or irrigation purposes requires an additional licence.

Purpose of this report

This report has been prepared to provide potential groundwater users with basic information about groundwater beneath their property. This includes the different geological layers, the depths of the layers and the salinity of groundwater in the layers. Information on the groundwater management units (GMU) and any associated caps on the volume that can be licensed (the PCV) are also provided.

Definitions and context

Term	Description
Groundwater Catchment	An identified area of the State within which groundwater resources are connected.
Easting / Northing	The VICGRID 94 coordinates of the spot that was selected on the interactive map.
Groundwater Salinity	Indicates the possible concentration of salts within the groundwater. The salt content indicates the possible uses of the water (see the Beneficial Use Table below). Fertilisers and other contaminants can also enter groundwater and affect its use. It is up to you to make sure that the groundwater you use is suitable for your purpose.
Aquifer	An aquifer is a layer of soil or rock which stores usable volumes of groundwater. Aquifers are generally limestones, gravels and sands, as well as some fractured rocks where the cracks in the rock are open and connected (some basalts, sandstones and limestones). How much water can be pumped from an aquifer depends on how much water is stored in pores and cracks, how well connected the pores and cracks are, and how thick the layer is. It is more likely that volumes of water for irrigation and urban water supply will come from gravels, sands, limestones and basalts that are at least 30 metres thick. Low volumes of water for domestic and stock use are likely from any aquifer greater than 10 metres thick. The advice about this aquifer only as the amount of water available for the sole purpose of enabling construction and testing of a bore.
Aquitard	An aquitard is a layer of rock or soil that does not allow water to move through it easily, limiting its capacity to supply water. Aquitards are generally silts, clays and fractured rocks (where there are few cracks in the rock or the cracks are poorly connected).
Groundwater Management Unit (GMU)	A collective term for groundwater management areas (GMAs) and water supply protection areas (WSPAs). GMAs and WSPAs are defined areas and depths below the surface where rules for groundwater use may apply. WSPAs often have caps on groundwater use and plans describing how the resource is managed. GMAs usually have caps on groundwater use and may have local plans and rules. All other areas are managed directly through the Water Act (1989). Always check with your local Rural Water Corporation to be sure that the information on the GMU is correct for your specific location.
Permissible Consumptive Volume (PCV)	A cap that is set under the Water Act (1989) declaring the total volume of groundwater that may be taken from the area. Once the PCV is reached, no additional extraction can be licensed for use within the area unless traded from another groundwater licence holder.
Depth to Water Table	This is an indication of the depth at which groundwater might first be encountered when drilling a bore. The depth can vary from year to year, and from place to place and may vary significantly from that indicated in this report.

Beneficial Use Table

Salinity range (mg/L TDS)	Beneficial use as described by State Environment Protection Policy (Groundwaters of Victoria) s160							
	Potable water - preferred	Potable water - acceptable	Potable mineral water	Irrigation	Stock water	Industry	Ecosystem protection	Buildings and structures
<500	✓	✓	✓	✓	✓	✓	✓	✓
501-1000		✓	✓	✓	✓	✓	✓	✓
1001-3500			✓	✓	✓	✓	✓	✓
3501-13000					✓	✓	✓	✓
13001+						✓	✓	✓

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Appendix D Earthworks Layout Plan

Preliminary Site Investigation – Contamination Assessment

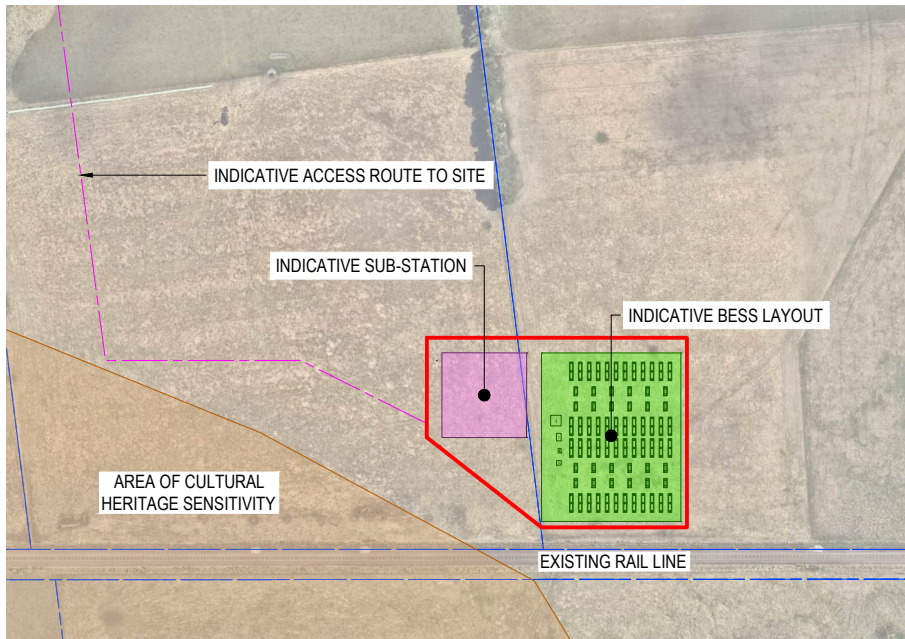
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Camperdown BESS Pty Ltd

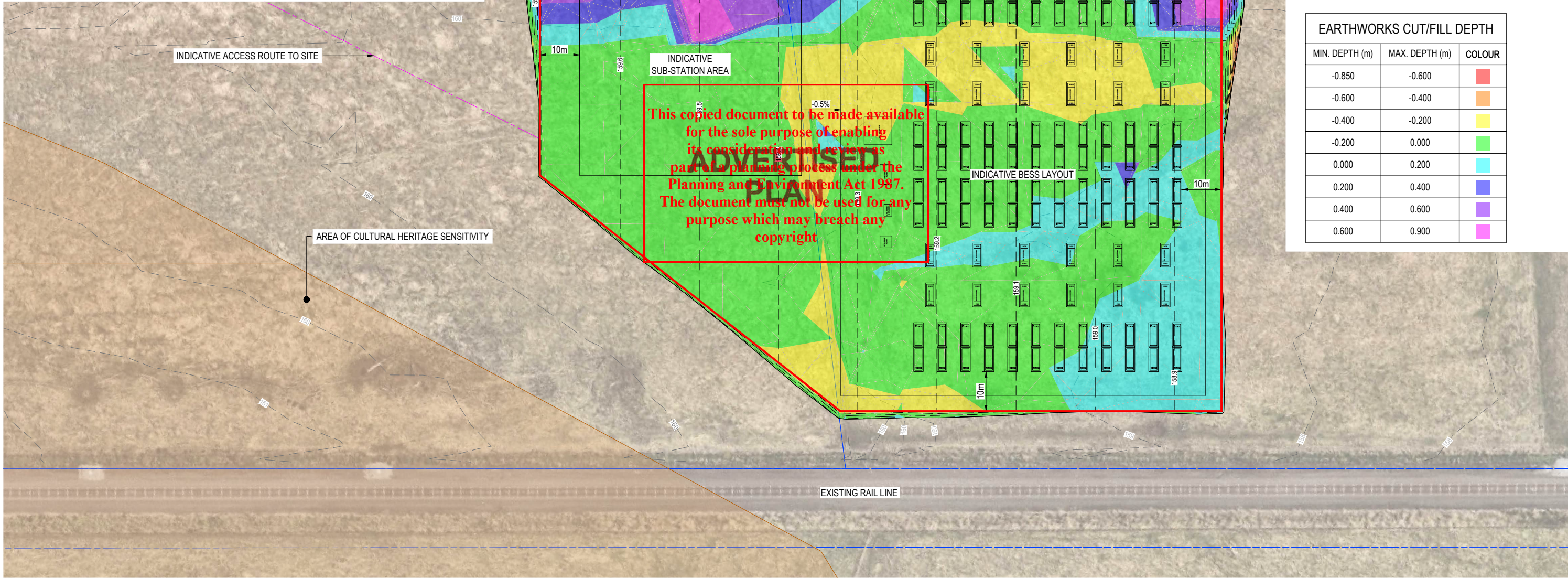
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LOCALITY PLAN
SCALE 1: 2500



EARTHWORKS LAYOUT PLAN
SCALE 1: 500

- NOTES:**
- EXISTING CONTOURS INTERVAL 0.5m, MGA 2020 COORDINATES.
 - SIDE BATTER SLOPES ARE 1V:6H
 - SITE SURVEY AND LIDAR COMBINED FOR EXISTING GROUND CONTOURS. AT DETAIL DESIGN A FULL SURVEY OF THE SITE EXTENTS SHOULD BE UNDERTAKEN TO CONFIRM EXISTING GROUND LEVELS.

- LEGEND:**
- CADASTRAL BOUNDARY
 - - - 134.0 - - - EXISTING GROUND CONTOURS
 - == 135.0 == PROPOSED GROUND CONTOURS
 - INDICATIVE INFRASTRUCTURE LIMITS (1.9ha)
 - - - INDICATIVE ACCESS ROUTE TO SITE
 - AREAS OF CULTURAL HERITAGE SENSITIVITY

CUT/FILL SUMMARY		
ITEM	QUANTITY	UNIT
CUT	-1795	m ³
FILL	1770	m ³
TOTAL	-25	m ³

*SIGN CONVENTION: NEGATIVE CUT, POSITIVE FILL.

EARTHWORKS CUT/FILL DEPTH		
MIN. DEPTH (m)	MAX. DEPTH (m)	COLOUR
-0.850	-0.600	Red
-0.600	-0.400	Orange
-0.400	-0.200	Yellow
-0.200	0.000	Light Green
0.000	0.200	Light Blue
0.200	0.400	Blue
0.400	0.600	Purple
0.600	0.900	Pink

REVISIONS			
A	09/12/2024	FOR REVIEW	RMC
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			APPROVED



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CLIENT: CAMPERDOWN BESS PTY LTD

PROJECT: CAMPERDOWN BATTERY ENERGY STORAGE SYSTEM (BESS) PHASE 1
LOTS 2/LP34716, 2/PS817143 WIRE LN, CAMPERDOWN

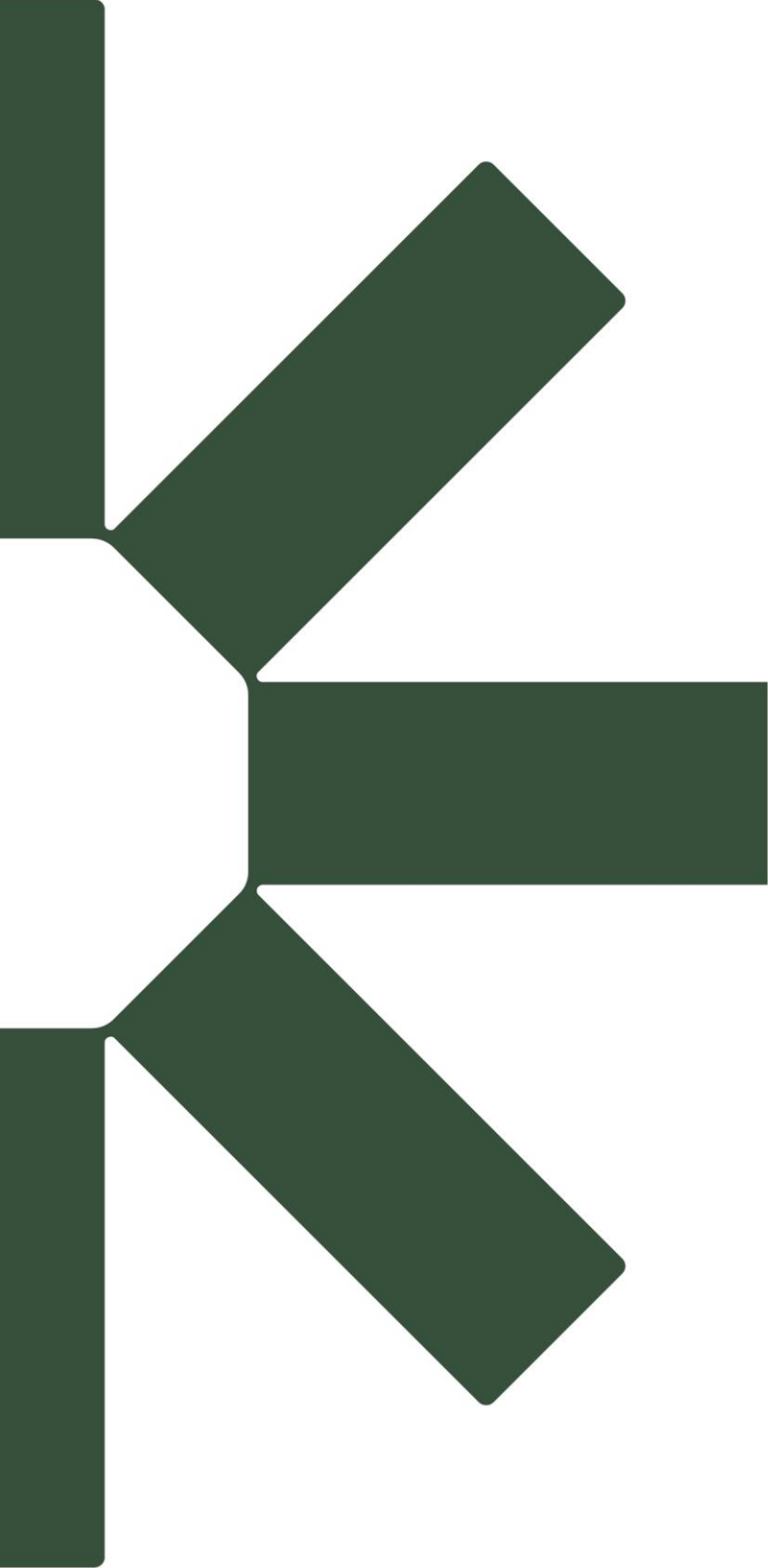
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DATUM: GDA 2020 Z54

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