

Preliminary Site Investigation and Limited Soil Assessment

Budawang SSP, Milton

808020243



Prepared for
NSW Department of Education

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Abbreviations and Units

BTEXN	Benzene, Toluene, Ethyl-benzene, Xylenes and Naphthalene
CHC	Chlorinated Hydrocarbons
MAH	Monocyclic Aromatic Hydrocarbons
OCP	Organochlorine Pesticides
OPP	Organophosphate Pesticides
PAHs	Polycyclic Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
SVOC	Semi-Volatile Organic Compounds
TDS	Total Dissolved Solids
TOC	Total Organic Carbon
TPH	Total Petroleum Hydrocarbons
TRH	Total Recoverable Hydrocarbons
VOC	Volatile Organic Compounds
VHC	Volatile Halogenated Compounds

Technical Terms

AASS	Actual Acid Sulfate Soil
ABC	Ambient Background Concentration
ACL	Added Concentration Limit
ACM	Asbestos Containing Material
AGL	Above Ground Level
AHD	Australian Height Datum
AMG	Australian Map Grid
ANZECC	Australian and New Zealand Environment and Conservation Council
AST	Aboveground Storage Tank
BDL	Below Detection Limit
BGL	Below Ground Level
COC	Chain of Custody
CoPC	Contaminants of Potential Concern
DECC	Former Department of Environment and Climate Change NSW
DECCW	Former Department of Environment, Climate Change and Water
DNAPL	Dense Non-Aqueous Phase Liquid
DO	Dissolved Oxygen
DSI	Detailed Site Investigation
EC	Electrical Conductivity
EILs	Environmental Investigation Levels
EPA	Environment Protection Authority
EPL	Environment Protection Licence
GCMS	Gas Chromatograph - Mass Spectrometer
GME	Groundwater Monitoring Event
HILs	Health based Investigation Levels

LNAPL	Light Non-Aqueous Phase Liquid
LOR	Limit of Reporting
N/A	Not Applicable
NAPL	Non-Aqueous Phase Liquid
NEPM	National Environment Protection Measure
OEH	Office of Environment and Heritage
PID	Photo-ionisation Detector
PQL	Practical Quantitation Limit
PSH	Phase Separated Hydrocarbon
PSI	Preliminary Site Investigation
QA	Quality Assurance
QC	Quality Control
RL	Reduced Level
RPD	Relative Percentage Difference
UCL	Upper confidence Limit
UST	Underground Storage Tank

Units

Ha	Hectares
mBGS	Metres Below Ground Surface
mg/kg	Milligram per Kilogram (approximately equivalent to ppm)
mg/L	Milligram per Litre
mTOC	Metres below Top of Casing
ppb	Part per Billion
ppm	Parts per Million
µg/kg	Microgram per Kilogram (approximately equivalent to ppb)
µg/L	Microgram per Litre
µS/cm	Micro Siemens per Centimetre

1 Introduction

Cardno (NSW/ACT) Pty Ltd (“Cardno”) was engaged by the NSW Department of Education (“the Client”) to complete a Preliminary Site Investigation (PSI) and Limited Soil Assessment at the Shoalhaven Anglican School, located at 17 Croobyar Road, Milton, New South Wales (NSW) (“the Site”), formally identified as Lot 200 in Deposited Plan 1192140.

The Site location and Site layout are shown in **Figures 1 and 2** in **Appendix A**, respectively. Notable site features are shown on **Figure 3** in **Appendix A**.

The PSI and Limited Soil Assessment was prepared in accordance with the scope of works presented in an email proposal that was provided to the client on the 15th of May 2020.

1.1 Purpose and Objectives

The purpose of this PSI and Limited Soil Assessment was to provide the Client with preliminary advice on the contamination status of the Site and the consequent implications for its intended use (see **Section 1.2**). The PSI reviews available desktop information and considers the current and historical activities undertaken at the Site, providing a preliminary environmental assessment of the potential for contaminated environmental media to be present on the Site.

The objectives of the PSI and Limited Soil Assessment were to assess whether contamination has the potential to exist on the site and determine whether further investigation is needed.

1.2 Proposed Development

The proposed redevelopment will involve construction of a new school in the northern eastern portion of the Site that will be known as the “Budawang School for Specific Purposes (SSP)”. The proposed SSP will broadly comprise construction of:

- > Ten (10) “homebases” (7 of which will be built in the initial stage);
- > A hydrotherapy pool and wellbeing hub for joint use of Budawang SSP students and the local community;
- > Internal roads and utility installation; and
- > Landscaping.

An Approved Masterplan was provided by the Client showing the indicative layout of the proposed redevelopment, which is provided in **Appendix B**. The expected SSP construction footprint, and the existing buildings to be demolished have been overlaid on **Figure 3** in **Appendix A**.

A bulk earthworks drawing and excavation extents were not available at the time of preparing this report.

1.3 Scope of Works

Cardno carried out the following scope of work to meet the objectives of the PSI and Limited Soil Assessment:

- > Defined the Site, features and surrounds:
 - Listed the property title description and zoning
 - Defined site boundaries based on land title information
 - Defined site features including services, main buildings and other infrastructure
 - Defined topography, surface water flows and drainage
 - Identified nearby sensitive receivers
 - Reviewed regional and local geology and hydrogeology, including details on registered bores.
- > Assessed site conditions and the surrounding environment from the following sources:
 - A detailed Site inspection to confirm site topography and landforms, site features including visible evidence of fuel storage, cutting or filling of the site, subsidence, placement of filling and wastes
 - A limited inspection of the surrounding area (within approximately 200m of the Site) for potential sources of contamination

- > Completion of searches and review of historical information from the following sources:
 - Land titles
 - Section 10.7 Planning Certificate
 - Aerial photographs
 - NSW EPA maintained registers
 - Available historical environmental reports prepared for the site (provided by the Client)
- > Collection of shallow soil samples from three (3) hand excavations, SS1, SS2 and SS3, that were situated within the portion of the Site in which construction activities associated with the SSP redevelopment are expected. One soil sample was collected from each hand excavation with material collected from approximately 0.1 to 0.2 metres below ground level (m bgl) at each location.
- > Logging of the soil profile at each sampling point including an assessment of visual and olfactory indications of contamination such as sheen, staining, discoloration and odour.
- > Submission of three (3) primary soil samples to Eurofins Environmental Testing Pty Ltd, a National Associated Testing Authority (NATA) accredited laboratory, for analysis of the following contaminants:
 - Total Petroleum Hydrocarbons (TPH);
 - Benzene, Toluene, Ethylbenzene and Xylene (BTEX);
 - Heavy Metals;
 - Polycyclic Aromatic Hydrocarbons (PAHs);
 - Organochlorine Pesticides (OCP);
 - Organophosphorus Pesticides (OPP); and
 - Polychlorinated Biphenyl (PCB).
- > Assessment of the requirements (if any) for further investigations
- > Preparation of this report detailing the findings of the PSI and Limited Soil Sampling, and recommendations for further works.

1.4 Assessment Timeframe

The key milestones during this assessment are summarised in **Table 1-1**.

Table 1-1 Site Investigation Timeline

Date	Activity / Milestone
14 May 2020	Cardno engaged by the Client.
14 May 2020	Commencement of site history information gathering.
15 May 2020	Site Inspection.
22 May 2020	Draft report issued.
TBC	Final report issued.

2 Site Description and Setting

2.1 Site Definition

The Site is located at 17 Croobyar Road, Milton, NSW, shown on **Figure 1** in **Appendix A**. The Site identification details are summarised below in **Table 2-1**.

Table 2-1 Site Identification

Item	Details
Site Address	17 Croobyar Road, Milton, NSW 2538
Approximate Site Area (ha)	7.75 ha
Title Details	Lot 200 in Deposited Plan 1192140
Local Government Area	Shoalhaven City Council
Parish and County	Ulladulla, St Vincent
Current Site Owners	NSW Government Education
Current Site Use	Shoalhaven Anglican School

2.2 Site Description

An inspection of the Site was undertaken by a Senior Environmental Scientist from Cardno on the 15th of May 2020. Relevant observations made during the site inspection are provided below in **Table 2-2** and photographs taken during the inspection are contained in **Appendix C**.

Table 2-2 Site Inspection

Item	Observations
Weather condition	Overcast and cool, temperatures of approximately 19°C.
Site slope and drainage features	<p>The Site broadly slopes from east to west toward an unnamed tributary of Pettys Creek, which is located immediately west of the site. Stormwater pits were observed across the Site, particularly around internal roads and buildings.</p> <p>A swale drain was observed within the north eastern portion of the Site at the location of the proposed SSP. The swale drains from east to west and discharges to the unnamed creek located west of the Site.</p> <p>Site contours are shown on Figure 2 of Appendix A.</p>
Nearby surface water bodies	A dam is located along the western boundary of the site and is within the unnamed creek that is a tributary of Pettys Creek, shown on Figure 2 of Appendix A . The dam is inferred to receive stormwater and surface run-off from the Site. Pettys Creek is situated approximately 700m south west of the Site.
Site surface coverings	<p>Surface coverings observed during the inspection were variable and consisted of:</p> <ul style="list-style-type: none"> ▪ Asphalt pavement on the basketball court in the north west of the Site, within some playground areas and on internal roads. ▪ Two portions of internal road, located along the south eastern boundary and surrounding the basketball court and gymnasium, were covered with loose gravel observed to contain aggregate and crushed

Item	Observations
	<p>demolition rubble including concrete and brick (asbestos was not observed) (see Photograph 13 and 18 in Appendix C).</p> <ul style="list-style-type: none"> ▪ Buildings were either constructed on brick piers or concrete slabs. Footpaths and playground spaces were observed to have a concrete surface covering. ▪ The remainder of the Site is predominantly covered with vegetation dominated by grass cover and a scattering of mature trees. This includes a sports oval in the south west and an agricultural / horticultural plot in the south east.
Surface soils	<p>Surface soils were generally not visible due to grass cover, building footprints and pavement, however, shallow soils observed during sampling were described as sandy silt, brown, with trace clay (see Photograph 25, 26 and 27 in Appendix C).</p>
Site cut and fill	<p>The topography of the broader area is dominated by a slight to moderate slope to the west. As such some buildings and structures that were not constructed on piers appear to contain localised filling.</p> <p>Bulk filling was evident in the lower-lying western portions of the Site, particularly during construction of the sports field. The proposed SSP redevelopment earthworks will be limited to the north eastern portion of the Site where there was no evidence of filling or current / historical contaminant sources.</p>
Buildings	<p>The Site contains numerous existing buildings associated with the Shoalhaven Anglican School. The location of existing buildings is shown on Figure 2 of Appendix A and the Masterplan in Appendix B.</p> <p>Buildings varied in age and construction materials including brick, weatherboard and metal sheeting. Other structures observed during the inspection included greenhouses, gazebos, play equipment, and sporting equipment.</p>
Potential asbestos in building materials	<p>Asbestos containing materials were not observed on the visible ground surfaces nor in any buildings or structures, however, the inspection undertaken was general and did not constitute a hazardous materials (HAZMAT) assessment.</p>
Manufacturing, industrial or chemical processes and infrastructure	<p>There is no evidence of manufacturing, industrial or chemical processes or infrastructure.</p>
Fuel storage tanks (USTs/ASTs)	<p>There is no evidence of fuel storage tanks (underground or above ground) at the Site.</p>
Dangerous goods	<p>Dangerous goods such as fuels, oils and paints were not observed during the inspection, however, buildings were not accessible. Two sheds containing rooftop ventilation 'whirlybirds' were observed that are inferred to contain groundskeeping equipment and associated typical fuels and chemicals. Oil staining and discoloration were not observed on concrete slabs or ground surfaces surrounding any buildings or sheds. The location of each shed is shown on Figure 3 in Appendix A.</p>
Solid waste deposition	<p>Solid waste deposition was limited to the following:</p> <ul style="list-style-type: none"> ▪ A stockpile in the south eastern portion of the site with an approximate volume of 5m³. The contents of the stockpile were not visually assessed due to the presence of long grass cover (see Photograph 7 in Appendix C). ▪ A pile of demolition rubble with a volume <5m³ that included brick, concrete and PVC was observed immediately north of the soil stockpile noted above (see Photograph 8 in Appendix C). <p>The location of each stockpile is shown on Figure 3 in Appendix A.</p>

Item	Observations
Liquid waste disposal features	Liquid waste disposal features were not observed during the inspection. It is presumed that septic waste generated at the Site is directed to the public sewer network.
Evidence of previous site contamination investigations	Evidence of previous site contamination investigations were not noted during the inspection.
Evidence of land contamination (staining or odours)	None observed on visible ground surfaces at the time of the inspection.
Evidence of groundwater contamination	None observed.
Groundwater use	There was no evidence of groundwater use at the Site during the Site Inspection.
Vegetation	Vegetation at the site appeared healthy and not under plant-stress.
Site fencing	The Site is bound by fencing in all directions with a metal post fence along the northern boundary (including security gate), Colourbond fence along the eastern boundary, a wire fence along the southern and western boundaries.

2.3 Surrounding Land Uses

The land uses surrounding the Site are summarised below in **Table 2-3**. The site and surrounding uses are also illustrated in the Site Plan in **Figure 2** in **Appendix A**.

Table 2-3 Surrounding Land Use

Direction	Land Use or Activity
North	Croobyar Road is located immediately north of the Site with low density residential dwellings located further north.
West	A residential property is located immediately west along with an unnamed tributary of Pettys Creek. Further west is an area of commercial / industrial premises including McConnell Steel & Fabrication, Home Timber & Hardware Milton and Boral Concrete to the northwest.
East	The land bordering the eastern boundary of the Site is typically utilised for rural residential purposes, however, one commercial premises was noted that appears to be a compound or yard used for storage of heavy plant and equipment and construction waste, including stockpiled materials.
South	The property to the immediate south of the Site is utilised for low intensity agricultural livestock grazing.

2.4 Topography and Drainage

The Site surface elevation ranges from approximately 40 mAHD in the southwest to 56mAHD in the southeast, with the northern portion of the site ranging from 46mAHD in the west and 52mAHD in the east. The Site has a slight to moderate slope to the west toward the nearest surface water feature, a tributary of Pettys Creek.

Surface water from the site is inferred to collect in stormwater infrastructure or infiltrate into soils in unpaved areas, which ultimately discharges / migrates to the unnamed creek to the west.

2.5 Flood Potential

A Flood Advice report was prepared by Cardno (2020) to assess the current flood potential of the Site and in consideration of the proposed SSP redevelopment. The report concluded:

- > The site elevation is relatively high (minimum level of approximately 47.5 mAHD) when compared to the flood levels (maximum approximately 47.0 mAHD). The proposed development is therefore expected to remain largely unaffected by flooding.

- > If any significant cut/fill is proposed along the western edge of the proposed development then a flood impact assessment may be required.
- > Overland flows which are currently conveyed in the existing east/west depression will need to be accommodated in the proposed civil and stormwater design.
- > Given the relatively small catchment (10 ha) and general site topography, it is not expected that any significant issues related to flood evacuation would be experienced, even in larger events such as the Probable Maximum Flood (PMF). Evacuation would be available to the Princes Highway from the north eastern corner of the Site if necessary.

2.6 Regional Geology and Soils

2.6.1 Regional Geology

The *Ulladulla 1:250,000 Geological Map* (NSW Department of Industry, Resources & Energy) indicates that the Site and surrounds are situated atop Palaeozoic aged monzonite of the Milton Monzonite unit. The hydrogeological features of the Site are described by the Hydrogeology Map of Australia (Geoscience Australia) as being fractured or fissured, extensive aquifers of low to moderate productivity.

2.6.2 Soil Landscape

The *Atlas of Australian Soils*, managed by the CSIRO, indicates the presence of the dermosol soil landscape, which is characterised by hilly terrain with some steep slopes and small graded valleys: moderately steep rounded hills of brown and red friable earths in association with less rounded hill slopes of hard acidic yellow mottled soils, hard acidic red soils, and yellow leached earths, and also other hill slopes of loamy soils

2.6.3 Acid Sulfate Soils

The *Atlas of Australian Acid Sulfate Soils*, managed by the CSIRO, describes the Site as being in Class B Area which is considered to have low probability of occurrence.

2.6.4 Salinity

The National Land and Water Resources Audit, *Dryland Salinity National Assessment* indicates that the occurrence of salinity is considered unlikely to be present at the Site.

During the site walkover there was no indication of saline soils at the.

2.7 Hydrogeology

2.7.1 Groundwater Database

The Water NSW *Real Time Water Data Portal* was accessed on the 20th of March 2020 and indicated that no registered groundwater bores were situated within a 500m radius of the Site. The nearest registered bore to the Site, GW031037, is located approximately 1 kilometre east and is listed as having a domestic and stock purpose. Bore GW031037 was drilled to 60.40 m bgl in 1966 and does not specify the groundwater depth, yield or water quality.

2.8 Potentially Sensitive Receptors

Identified potentially sensitive receptors at and surrounding the Site include:

- > The unnamed creek and dam located west of the Site;
- > Downstream waterbodies including Pettys Creek, which is located approximately 700m south west
- > Mature trees within and surrounding the Site
- > Current and future Site users including students, teachers and groundskeepers

2.9 Previous Environmental Reports

Cardno has reviewed the following previous environmental reports that were provided by the Client.

Sports Ground at Croobyar Road Geotechnical Assessment, Southern Geotechnics (2006)

The geotechnical report provided to Cardno was limited to the body of the report and did not include the referenced enclosures such as borehole logs and drawings (site location plan, site grid and levels, and

borehole location plan). In the absence of the enclosures it is unable for Cardno to confirm the location of each borehole, however, the report indicates that boreholes were not situated within the portion of the Site proposed for the SSP redevelopment (ie the north eastern portion).

The geotechnical assessment was undertaken to provide recommendations on options to remediate and regrade the irregular surface of the sporting field. Given that disturbance and redevelopment of the sporting field is not proposed during the SSP works, the information and observations provided in the geotechnical report is not considered applicable. A copy of the report as provided by the Client is attached in **Appendix D**.

The report made the following relevant points:

- > Boreholes were drilled to a maximum depth of 5.5m bgl using a 150mm solid auger.
- > Up to 3 metres of fill was observed at the sporting field described as silty and slightly sandy clay, low to medium plasticity, dark grey, brown to yellow grey brown, some red brown, firm to hard. Some topsoil fill and organic layers which were inferred to represent old stockpiles were encountered.
- > The report does not make mention of anthropogenic materials or potential contamination

2.10 EPA Records Search

2.10.1 Contaminated Land Record of Notices

The *Contaminated Land Record of Notices* is maintained by the Office of Environment and Heritage (OEH) in accordance with Part 5 of the *Contaminated Land Management (CLM) Act 1997* and contains regulatory notices issued by the Environment Protection Authority (EPA) in relation to contaminated sites. The Record of Notices was searched in May 2020 for notices and did not identify any sites within 500m of the Site.

2.10.2 PoEO Public Register

The *PoEO Public Register* under Section 308 of the *Protection of the Environment Operations (PoEO) Act 1997* contains Environment Protection Licences (EPLs), applications and notices issued by the EPA. The Public Register was searched during May 2020 within the suburb of Milton to identify any issues of relevance to the Site. The PoEO public register search identified the following:

- > Current licensed activities under the PoEO Act 1997 were not recorded within a 500m radius of the Site.
- > Three former licensed activities under the PoEO Act 1997, now revoked or surrendered, were identified within the Site as described below:
 - Licence No. 4653, Luhrmann Environment Management Pty Ltd, surrendered license for application of herbicides for weed control in waterways throughout NSW
 - Licence No. 4838, Robert Orchard, surrendered license for application of herbicides for weed control in waterways throughout NSW
 - Licence No. 6630, Sydney Weed and Pest Management Pty Ltd, surrendered license for application of herbicides for weed control in waterways throughout NSW

2.10.3 List of NSW Contaminated Sites Notified to the EPA

Listed properties are contaminated to an extent that warranted reporting to the NSW EPA; however, the contamination may or may not be significant enough to warrant regulation by the EPA. The EPA needs to review and, if necessary, obtain more information before it can determine the requirement regulation.

A search of the List of NSW Contaminated Sites Notified to the EPA was undertaken during May 2020 which did not identify contaminated sites within a 500m radius of the Site. The nearest listed site is a Caltex petrol station located approximately 800m south east at 331 Princes Highway, Milton. Due to the significant distance from the Site, the service station is not expected to be a potential contaminant source at the Site, noting that the service station is not regulated under the CLM Act.

2.11 Planning Information

The Site is zoned RU1 Primary Production under the *Shoalhaven Local Environment Plan 2014*. The LEP states the following objectives for RU1:

- > To encourage sustainable primary industry production by maintaining and enhancing the natural resource base.
- > To encourage diversity in primary industry enterprises and systems appropriate for the area.

- > To minimise the fragmentation and alienation of resource lands.
- > To minimise conflict between land uses within this zone and land uses within adjoining zones.
- > To conserve and maintain productive prime crop and pasture land.
- > To conserve and maintain the economic potential of the land within this zone for extractive industries.

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3 Site History

3.1 Historical Information Sources

The historical information sources listed in **Table 3-1** were obtained and reviewed during the PSI.

Table 3-1 Historical and Background Information Sources

Information	Source	Details
Shoalhaven Council Records	Section 10.7 (2) & (5) Certificate	Searched the lot/DP of the Site
Historical Aerial Photographs	NSW Land and Property Information (LPI)	Obtained scanned high-resolution aerials for nine years between 1959 and 2020
Heritage	NSW Office of Environment and Heritage Shoalhaven LEP 2014 Commonwealth / National Heritage List State Heritage Register	Searched the suburb of Milton
Historical UBD Directories	Universal Business Directory (UBD) and Hardie Grant Media Pty Ltd	Searched 500m buffer around the Site
Current and Historical Land Titles	NSW Land Registry Services	Searched the lot/DP of the Site

3.2 Section 10.7 (2) & (5) Certificate

The Section 10.7 (2) & (5) Planning Certificate is provided pursuant of the Environmental Planning and Assessment Act (EP&A Act) 1979. A copy of the certificate is presented in **Appendix E** and identifies the following constraints and risks:

- > The land does not include or comprise critical habitat under Shoalhaven Local Environmental Plan 2014.
- > The land is not in a conservation area (however described) under Shoalhaven Local Environmental Plan 2014.
- > An item of environmental heritage (however described) under Shoalhaven Local Environmental Plan 2014 is not situated on the land
- > The land does not include any residential premises (within the meaning of Division 1A of Part 8 of the Home Building Act 1989) that are listed on the loose-filled asbestos insulation register that is required to be maintained under that Division.
- > The Council has not been informed by the Environment Protection Authority that the land is significantly contaminated land within the meaning of the Contaminated Land Management Act 1997.
- > The Council has not been informed by the Environment Protection Authority that the land is subject to a management order within the meaning of the Contaminated Land Management Act 1997.
- > The Council has not been informed by the Environment Protection Authority that the land is subject of an approved voluntary management proposal within the meaning of the Contaminated Land Management Act 1997.
- > The Council has not been informed by the Environment Protection Authority that the land is subject of an ongoing maintenance order within the meaning of the Contaminated Land Management Act 1997.
- > The land is not the subject of a site audit statement within the meaning of the Contaminated Land Act 1997 that has been provided to the Council

3.3 Historical Aerial Photograph Review

Nine (9) historical aerial photographs taken in the years 1959, 1967, 1975, 1987, 1991, 2003, 2009, 2015 and 2020 were reviewed to identify historical land uses that may present potential contaminant sources. The aerial photograph summary is provided below in **Table 3-2** below while the photographs are included in **Appendix F**.

Table 3-2 Aerial Photograph Review

Year	Onsite	Offsite
1959 (B&W)	Buildings and/or structures are not visible and the dominant land use appears to be agricultural livestock grazing. Significant vegetation is limited to a number of mature trees in the middle of the Site. The unnamed creek is visible in the western portion of the Site and two drainage lines appear to transect the Site from east to west, one in the northern portion and one in the southern portion.	The land use to the north appears to be a mixture of rural residential, low-density residential and commercial land uses. A row of low-density residential and commercial premises are located along the eastern boundary of the Site fronting the Princes Highway. The land use to the south and west of the Site is limited to agricultural
1967 (B&W)	The Site appears generally unchanged since 1959 with no buildings or structures visible and no obvious change in land use.	The surrounding area appears generally unchanged with the exception of an area of filling approximately 100m west of the Site.
1975 (B&W)	The Site appears generally unchanged since 1967 with no buildings or structures visible and no obvious change in land use. The two drainage channels within the site appear saturated with each potentially receiving runoff from the neighboring properties to the east.	The surrounding area appears generally unchanged. Filling to the west of the site identified in 1967 appears to have ceased with the area now sparsely vegetated.
1987 (B&W)	The Site appears generally unchanged since 1975 with no buildings or structures visible and no obvious change in land use.	The surrounding area appears generally unchanged. Filling to the west of the site identified in 1967 now appears to contain a helipad.
1991 (Colour)	The Site appears generally unchanged since 1987 with the exception of a small building that appears to be under construction in the north eastern corner of the site. The location and footprint of the building appear consistent with the building that was observed during the Site inspection.	The surrounding area appears generally unchanged with the exception of an increase in the density of urban development.
2003 (Colour)	Significant redevelopment of the Site has occurred since 1991 with the construction of the Shoalhaven Anglican School evident. The buildings and structures visible appear consistent with those observed during the Site inspection. A sporting field is visible in the western portion of the Site and a dam has been constructed along the western boundary. An earthen embankment is visible along the western side of the sports field indicating that the area has been subjected to extensive filling during construction.	The surrounding area appears generally unchanged with the exception of an increase in the density of urban development. The portion of land immediately west of the northern portion of the site now contains a number of buildings, however, the land use is unclear.
2009 (Colour)	The Site appears generally unchanged since 2003 with the exception of a number of newly constructed buildings and structures. Large stands of mature trees are now visible along the southern and western boundaries.	The surrounding area appears generally unchanged with the exception a commercial shed being constructed approximately 70m west of the Site, which is an extension of the existing commercial / industrial precinct.
2015 (Colour)	The Site appears generally unchanged since 2009.	The surrounding area appears generally unchanged.
2020 (colour)	The Site appears generally unchanged since 2015.	The surrounding area appears generally unchanged with the exception of continued commercial development approximately 70m west of the Site.

3.4 Historical Certificates of Title Review

Historical and current land titles were obtained for Lot 200 in Deposited Plan 1192140 to assess for historical and current land uses that may present a potential contaminant risk. Copies of current and historical land titles are provided in their entirety in **Appendix F** and a summary of landuses is provided below in **Table 3-3**:

Table 3-3 Land Title Review

Term Held	Registered Proprietor(s) & Occupations where available
1896 to 1937	John Porter (Farmer)
1937 to 1950	Gordon Hargraves Porter (Shire Clerk)
Allotment 1 as shown on Cadastral Record in Appendix F	
1950 to 1991	Henry Porter (Farmer)
1991 to 1997	The Milton Ulladulla Christian Parent Controlled School Association Limited
1997 to 2011	Sydney Anglican Schools Limited
2011 to 2018	Sydney Anglican Schools Corporation (now Anglican Schools Corporation)
Allotment 2 as shown on Cadastral Record in Appendix F	
1950 to 1999	Henry Porter (Farmer)
1999 to 2011	Sydney Anglican Schools Limited
2011 to 2018	Sydney Anglican Schools Corporation (now Anglican Schools Corporation)
Allotment 3 as shown on Cadastral Record in Appendix F	
1950 to 1991	Henry Porter (Farmer)
1991 to 1993	Robert John Veitch (Surveyor); Annette Gai Veitch (Teacher); Ronald Edmund Reiman (Bricklayer); Heather Jeanette Reiman (Teacher)
1993 to 2001	Robert John Veitch (Surveyor); Annette Gai Veitch (Teacher)
2001 to 2011	Sydney Anglican Schools Limited
2011 to 2018	Sydney Anglican Schools Corporation (now Anglican Schools Corporation)
Entirety of Site	
2018 to date	Minister for Education

3.5 Heritage

Various heritage registers were searched during May 2020 to assess for potential historical land uses at or near the Site that could act as potential contaminant sources. A copy of the heritage search is provided in **Appendix F** and the results are summarised in **Table 3-4**.

Table 3-4 Heritage Search

Source	Item Name	Distance from Site	Potential Contaminant Source
Shoalhaven LEP 204	Various situated within 500m of the Site, however, are not considered a potential contaminant source	<500	None identified
Commonwealth Heritage List	No heritage items listed		
National Heritage List	No heritage items listed		
State Heritage Register	No heritage items listed		

3.6 Historical Business Directory Records Search

Universal Business Directory (UBD) records from years 1991, 1982, 1970, 1961 & 1950, were searched to identify historical land uses at or surrounding the Site that could present potential contaminant sources. A copy of the UBD search is provided in **Appendix F** and a summary of identified business that could present a potential contaminant risk are provided below in **Table 3-5**.

Table 3-5 UBD Record Search

Business Activity	Premise	Year	Distance from Site	Potential Source	Contaminant
Bus Operator	Lyrebird Coaches, 215 Princes Highway Milton NSW	1982-1991	Immediately east of the Site	Bulk fuel storage Vehicle servicing	
Motor Oil and Spirit Grease	Woods R Pty Ltd, 204 Princes Highway Milton	1982-1991	112m east of the Site	Bulk fuel storage Vehicle servicing	

3.7 Safe Work NSW Records

Safe Work NSW records were not reviewed during this investigation as a review of the aerial imagery and land titles revealed the Site has not for been historically used for commercial or industrial purposes.

3.8 Summary of Relevant Historical Activities

Historical land uses and potential activities occurring at the Site are summarised in **Table 3-6**.

Table 3-6 Land Use History and Activities

Year	Information Source	Interpretation
Prior to 1959 to 1991	Historical aerial photographs	The historical land use of the Site appears to have been limited to low intensity agricultural grazing until 1991.
1991 to 2020	Historical aerial photographs Historical land titles	The Site appears to have been utilised for educational purposes from 1991 until current day.

4 Assessment Criteria

Soil assessment criteria have been adopted from *National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended 2013* and their application are summarised below.

4.1 NEPM 2013, Health investigation levels – Residential A

Health investigations level (HIL) A have been adopted to assess risk to site users under the current and proposed land use.

- > HIL A considers current and future site users includes children's day care centres, preschools and primary schools.

4.2 NEPM 2013, Ecological Investigation Levels and Ecological Screening levels – Urban residential and public open space

Ecological Investigation Levels (EIL) and Ecological Screening Levels (ESL) for urban residential and public open space have been adopted as ecological screening criteria.

- > The extensive history of human occupation and land disturbance on the site and neighbouring properties make the presence of sensitive ecological receptors reliant on-site soils low.
- > The application of the urban residential and public open space EIL and ESL are considered appropriate to capture risk to unidentified ecological receptors.
- > The following Ambient Background Concentrations (ABC) have been adopted for metals from Schedule B5b of the NEPM (2013) based on levels for and old (>2 years) suburb with low traffic.

Table 4-1 Ambient background concentrations for metals in soil

Arsenic	Chromium (III)	Copper	Lead	Nickel	Zinc
5 mg/kg	8 mg/kg	20 mg/kg	100 mg/kg	5 mg/kg	75 mg/kg

5 Results

5.1 Field Observations

The following observations were noted during the PSI and Limited Soil Assessment:

- > Indicators of contamination, such as odour, sheen and staining, were not observed on visible ground surfaces or in any excavated materials.
- > Asbestos containing materials were not observed on visible ground surfaces or in any excavated material. Due to the absence of asbestos indicators, such as demolition rubble, collected soil samples were not submitted for asbestos testing.
- > Hand excavations, SS1, SS2 and SS3, were situated in the north eastern portion of the Site at the location of the proposed SSP redevelopment. The soil profile observed in each hand excavation presented an inferred natural geological profile described as sandy silt, brown, with trace clay. This is supported by the historical aerial photographs that did not identify evidence of filling or significant disturbance at these locations.

5.2 Analytical Results

Tabulated analytical summary tables are provided in **Appendix G** and the laboratory reports in their entirety are provided in **Appendix H**. In summary, the results showed that:

- > Exceedances of the human health criteria were not reported in shallow soil samples SS1, SS2 and SS3;
- > Copper was reported at concentrations above the ecological criteria of 80mg/kg, which is a combination of the ambient background concentration (ABC) and added contaminant limit (ACL). Sample SS1 contained 82mg/kg and SS2 contained 100g/kg.

6 Preliminary Conceptual Site Model

Generally, a conceptual site model (CSM) provides an assessment of the fate and transport of COPCs relative to site specific, subsurface conditions with regard to their potential risk to human health and the environment. The CSM considers site specific factors including:

- > Source(s) of contamination
- > Identification of COPC associated with past (and present) source(s)
- > Vertical and lateral distribution of COPC including presence of LNAPL and/or DNAPL
- > Site specific lithologic information including soil type(s), depth to groundwater, effective porosity, and groundwater flow velocity
- > Actual or potential receptors considering both current and future land use both for the site and adjacent properties, and any sensitive ecological receptors.

Based on the information sourced in this Preliminary Site Investigation, a CSM has been developed and is outlined in **Table 6-1**, below. Additional details are included in the sections that follow as necessary.

Table 6-1 Preliminary Conceptual Site Model

CSM Element	Description
Site History/Contaminant Sources	<p>The historical Site land use was limited to low intensity agricultural grazing until 1991 when evidence of construction of the Shoalhaven Anglican School is visible.</p> <p>During construction of the school fill appears to have been imported to the lower-lying western portions of the Site including the current sports field. The locations of the Site that are proposed for earthworks and redevelopment of the SSP are mostly limited to the north eastern corner as shown on Figure 3 in Appendix A. There was no evidence of filling or current / historical contaminant sources identified during the Site inspection or document review at the location of the proposed SSP redevelopment.</p>
Site Current and Future Use	<p>The general land use will remain unchanged following the proposed development works, with the Site remaining an educational facility. The specific design features of the redevelopment are shown on the Master Plan in Appendix B.</p>
Site Geology	<p>Shallow soils were observed during sampling from three hand excavations that were situated within the proposed construction footprint of the SSP redevelopment.</p> <p>The soil profile observed in each hand excavation presented an inferred natural geological profile of sandy silt, brown, with trace clay. Photographs of the geology encountered are provided in Appendix C.</p>
Site Hydrogeology	<p>Cardno did not observe or assess groundwater during preparation of this PSI. The results of the vicinity groundwater bore search did not identify bores within a 500m that provided useful information regarding the local shallow aquifer.</p>
COPCs – Soil	<p>Contaminant sources were not identified at or surrounding the Site. As such elevated COPCs are not anticipated within the proposed SSP construction footprint.</p>
COPCs – Groundwater	
COPCs – Soil Vapour	
Potential Human Receptors (On site)	<p>Whilst contaminant sources were not identified during the PSI and Limited Soil Assessment, in the event of unexpected finds, the potential human receptors on Site include:</p> <ul style="list-style-type: none"> > Current and future occupants including students, teachers and groundskeepers > Future construction and maintenance workers undertaking earthworks, trenching and utility installation

CSM Element	Description
Potential Human Receptors (Off site)	It is plausible that offsite human receptors may interact with wind-borne dust during construction, however, due to the absence of obvious or significant contaminant sources a completed exposure pathway is not anticipated.
Potential Environmental Receptors	Whilst contaminant sources were not identified during the PSI and Limited Soil Assessment, in the event of unexpected finds, the potential environmental receptors include: <ul style="list-style-type: none"> > Groundwater beneath the Site; > Receiving water bodies including the unnamed creek west of the Site; > Downstream water bodies including Pettys Creek; > Aquatic flora and fauna within water bodies.

6.2 Discussion

Based on the information gathered during delivery of this PSI and Limited Soil Assessment, Cardno considers the potential risks to human health and the environment to be low. Historical land uses at the Site appear to have been limited to low-intensity agricultural grazing and educational purposes.

The desktop review and observations noted during the inspection indicate that a limited number of commercial premises have historically; and currently, adjoin the Site to the east. These properties may contain potential contaminant sources associated with storage of petroleum products and construction waste, however, the likelihood of contaminants migrating onto the Site is considered low.

Bulk filling within the Site appears limited to the lower-lying western portions including the sports field. According to the Master Plan (see **Appendix B**), the proposed SSP redevelopment is confined to north eastern portion where filling and potential contaminant sources were not identified.

A small soil stockpile (approx. 5m³) was observed in the south eastern portion of the Site and was covered with grass, and immediately north was a small stockpile (<5m³) of demolition rubble. The stockpiles are unlikely to require disturbance or removal during the proposed SSP redevelopment, so an assessment of the contents of each stockpile is not required.

Three shallow sampling points were excavated within the footprint of the proposed SSP redevelopment to assess for the presence of fill and/or surficial contamination. Indicators of contamination, such as odour, sheen and staining, were not observed on visible ground surfaces or in any excavated materials.

The soil profile observed in each hand excavation presented an inferred natural geological profile described as sandy silt, brown, with trace clay.

Soil samples submitted for laboratory analysis did not contain contaminants above the adopted human health screening criteria, however, copper concentrations marginally exceeded the ecological assessment criteria in samples SS1 and SS2. The marginal exceedances are considered representative of background concentrations and do not present an unacceptable risk to potential ecological receptors.

6.3 Data Gaps and Uncertainties

The following data gaps and uncertainties apply to the findings of this PSI and Limited Soil Assessment:

- > Soil beneath building footprints and paved areas (concrete and asphalt) were unable to be observed or sampled during the assessment.
- > Buildings and structures (including sheds) were locked and inaccessible at the time of the inspection. As such potential contaminant sources and storage of dangerous goods (if any) were unable to be assessed.

7 Conclusions and Recommendations

7.1 Conclusions

Cardno has completed a Preliminary Site Investigation and Limited Soil Assessment for Lot 200 in DP 1192140, located at 17 Croobyar Road. The purpose of this assessment was to provide preliminary advice on the contamination status of the Site and the consequent implications for the suitability of the proposed footprint of the SSP redevelopment, as shown on the **Figure 3** in **Appendix A**.

Historical land uses at the Site appear to have been limited to low-intensity agricultural grazing and educational purposes, and potential migration of contaminants from off-site sources to the SSP redevelopment area are considered unlikely.

Whilst soil sampling was limited and not in accordance with the sampling densities specified in Section 6.2.1 Schedule B2 of the NEPM (NEPC 2013), the desktop review, site walkover and analytical results indicate that contamination and/or contaminated materials are unlikely to be present within the footprint of the proposed SSP development (as shown in **Figure 3** in **Appendix A**) at concentrations above the adopted screening criteria.

7.2 Recommendations

The following has been recommended in consideration of the findings of the PSI and Limited Site Assessment:

- > During earthworks an unexpected finds protocol must be prepared and implemented if potentially contaminated materials are identified, to allow for their appropriate management. Any assessment and remediation of potentially contaminated materials must be undertaken by an appropriately qualified and experienced environmental professional.
- > Due to the absence of identified contaminant sources, the inferred natural geology within the SSP redevelopment footprint and low contaminant contaminations in shallow soil, further assessment and remediation is not warranted unless suspected contaminated materials are discovered during earthworks
- > Buildings and structures proposed for demolition must first be subjected to hazardous materials (HAZMAT) assessment.
- > If building containing hazardous materials are demolished, a clearance certificate is required for surface soils prior to construction commencing
- > Any waste generated during the redevelopment, including demolition materials and excavated soil, must be assessed for potential offsite reuse / disposal opportunities in accordance with the NSW EPA *Waste Classification* Guidelines (2014) and current resource recovery exemptions / orders.

8 References

- CSIRO. (2011) Atlas of Australian Acid Sulphate Soils.
- Department of Agriculture (2001) Australian Dryland Salinity Assessment Spatial Data (1:250 000).
- Department of Infrastructure Planning and Natural Resources (DIPNR) (2002) Salinity Potential in Western Sydney 2002. NSW Office of Environment and Heritage 2003.
- Guideline on the Investigation Levels for Soil and Groundwater' of the *National Environment Protection (Assessment of Site Contamination) Measure (NEPM) 1999* (NEPC, 1999) as varied May 2013 (the 'NEPM 2013'); Standards Australia (2005)
- Australian Standard 4482.1-2005: Guide to the Investigation and Sampling of Sites with Potentially Contaminated Soil.*
- NSW EPA (2015) *Guidelines on the Duty to Report Contamination under the Contaminated Land Management Act 1997*. NSW Environment Protection Authority, Sydney. September 2015.
- NSW EPA (2017) *Contaminated Land Management: Guidelines for the NSW Site Auditor Scheme (3rd edition)*. NSW Environment Protection Authority, Sydney. October 2017.
- NSW EPA (2020) Consultants reporting on contaminated land, Contaminated land guidelines, NSW Environment Protection Authority, Sydney, April 2020
- Office of Environment and Heritage (OEH) (2017) Acid sulfate soils. NSW Government, November 2017
- Southern Geotechnics. (2006) Sports Ground at Croobyar Road Geotechnical Assessment, Southern Geotechnics. November 2006

9 Limitations

This assessment has been undertaken in general accordance with the current “industry standards” for a PSI for the purpose and objectives and scope identified in this report. These standards are set out in:

- > National Environment Protection (Assessment of Site Contamination) Measure (NEPM) 1999 (NEPC, 1999) as varied May 2013 (the ‘NEPM 2013’).
- > AS4482.1- 2005: Guide to the sampling and investigation of potentially contaminated soil Part 1: Non-volatile and semi-volatile compounds. Standards Australia (2005).

The agreed scope of this assessment has been limited for the current purposes of the Client. The assessment may not identify contamination occurring in all areas of the site, or occurring after sampling was conducted. Subsurface conditions may vary considerably away from the sample locations where information has been obtained.

This Document has been provided by Cardno subject to the following limitations:

- > This Document has been prepared for the particular purpose outlined in Cardno’s proposal and no responsibility is accepted for the use of this Document, in whole or in part, in other contexts or for any other purpose.
- > The scope and the period of Cardno’s services are as described in Cardno’s proposal, and are subject to restrictions and limitations. Cardno did not perform a complete assessment of all possible conditions or circumstances that may exist at the site referenced in the Document. If a service is not expressly indicated, do not assume it has been provided. If a matter is not addressed, do not assume that any determination has been made by Cardno in regards to it.
- > Conditions may exist which were undetectable given the limited nature of the enquiry Cardno was retained to undertake with respect to the site. Variations in conditions may occur between investigatory locations, and there may be special conditions pertaining to the site which have not been revealed by the investigation and which have not therefore been taken into account in the Document. Accordingly, additional studies and actions may be required.
- > In addition, it is recognised that the passage of time affects the information and assessment provided in this Document. Cardno’s opinions are based upon information that existed at the time of the production of the Document. It is understood that the services provided allowed Cardno to form no more than an opinion of the actual conditions of the site at the time this Document was prepared and cannot be used to assess the effect of any subsequent changes in the quality of the site, or its surroundings, or any laws or regulations.
- > Any assessments made in this Document are based on the conditions indicated from published sources and the investigation described. No warranty is included, either express or implied, that the actual conditions will conform exactly to the assessments contained in this Document.
- > Where data supplied by the client or other external sources, including previous site investigation data, have been used, it has been assumed that the information is correct unless otherwise stated. No responsibility is accepted by Cardno for incomplete or inaccurate data supplied by others.
- > Cardno may have retained sub consultants affiliated with Cardno to provide services for the benefit of Cardno. To the maximum extent allowed by law, the Client acknowledges and agrees it will not have any direct legal recourse to, and waives any claim, demand, or cause of action against, Cardno’s affiliated companies, and their employees, officers and directors.

This assessment report is not any of the following:

- > A Site Audit Report or Site Audit Statement as defined under the *Contaminated Land Management Act, 1997*.
- > A Detailed ESA or Environmental Site Investigation sufficient for an Environmental Auditor to be able to conclude a Site Audit Report and Site Audit Statement.

- > A geotechnical report and the bore logs or test pit logs may not be sufficient as the basis for geotechnical advice.
- > A detailed hydrogeological assessment in conformance with NSW DEC (2007) Contaminated Sites: Guidelines for the Assessment and Management of Groundwater Contamination.
- > An assessment of groundwater contaminants potentially arising from other sites or sources nearby.

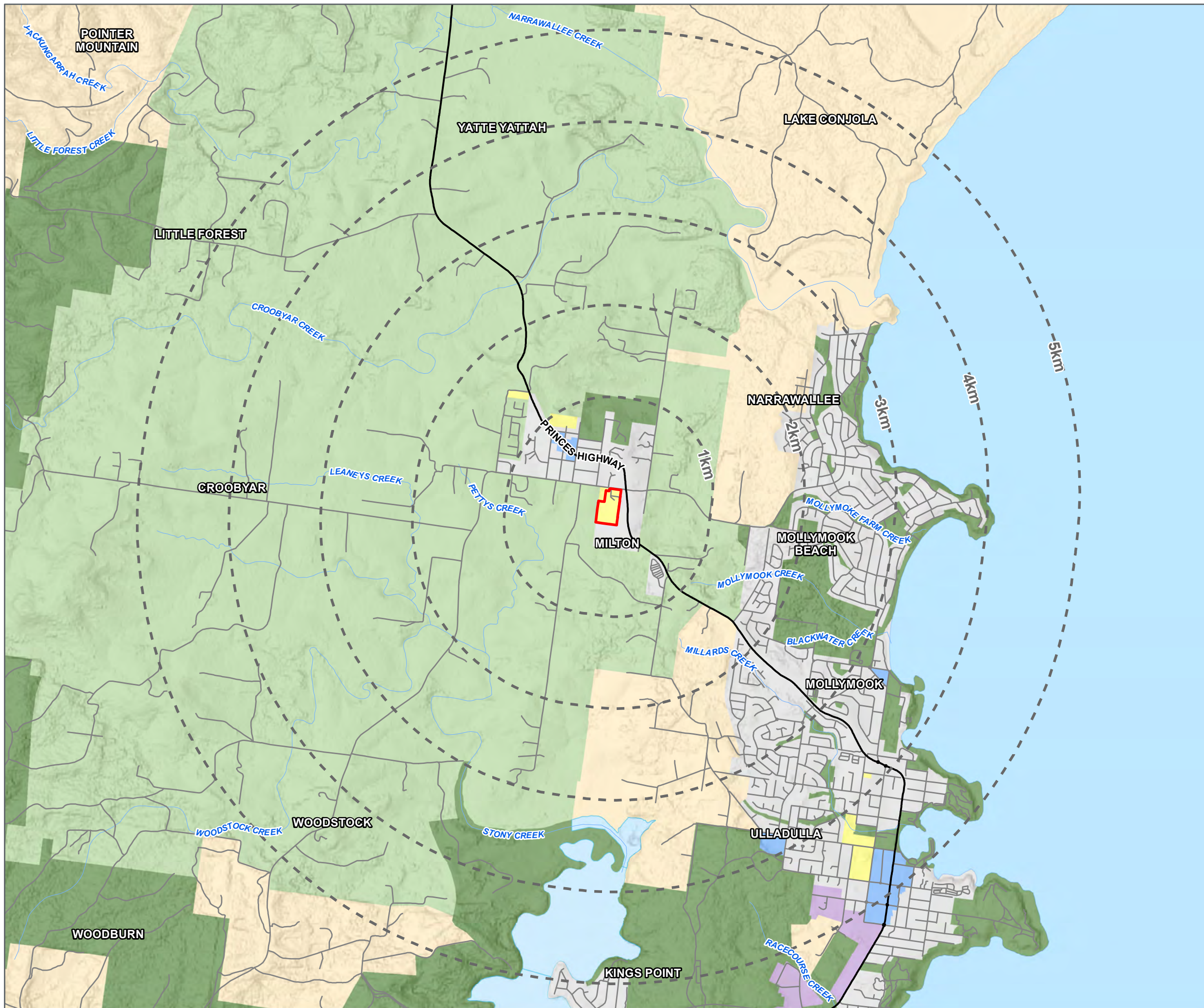
A total assessment of the site to determine suitability of the entire parcel of land at the site for one or more beneficial uses of land.

DRAFT

APPENDIX

A

FIGURES



Locality

179 CROOBYAR ROAD, MILTON

Legend

- Site Boundary
 - Distance Buffer
 - Major Road (NSW SS)
 - Local Road (NSW SS)
 - Major Watercourse (LPI)
- Land Use (ABS, 2016)**
- Other
 - Commercial
 - Education
 - Hospital/Medical
 - Industrial
 - Parkland
 - Primary Production
 - Residential
 - Water

FIGURE 1

1:40,000 Scale at A3

Kilometers



Map Produced by Cardno NSW/ACT Pty Ltd (NW&E)
 Date: 2020-05-19 | Project: 808020243
 Coordinate System: GDA 1994 MGA Zone 56
 Map: 808020243-GS-002-Locality.mxd 01
 Aerial imagery supplied by Nearmap (January, 2020)



Site Plan

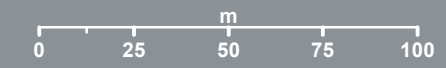
179 CROOBYAR ROAD, MILTON

Legend

- Site Boundary (7.75 ha)
- Watercourse (NSW SS)
- 1m Contour (DFSI, 2011)
- Cadastre (NSW SS, 2019)
- Approximate SSP Construction Footprint

FIGURE 2

1:2,000 Scale at A3



Map Produced by Cardno NSW/ACT Pty Ltd (NW&E)
 Date: 2020-05-22 | Project: 808020243
 Coordinate System: GDA 1994 MGA Zone 56
 Map: 808020243-GS-001-SitePlan.mxd 02
 Aerial imagery supplied by Nearmap (January, 2020)



Site Features

179 CROOBYAR ROAD, MILTON

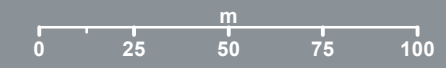
Legend

- Site Boundary
- + Surface Soil Sample
- Watercourse (NSW SS)
- Cadastre (NSW SS, 2019)
- Point of Interest**
- Rubble Stockpile
- Shed
- Soil Stockpile
- Existing Building
- Building to be Demolished
- Approximate SSP Construction Footprint

**Budawang Concept Design
(School Infrastructure NSW,
2020)**

FIGURE 2

1:2,000 Scale at A3

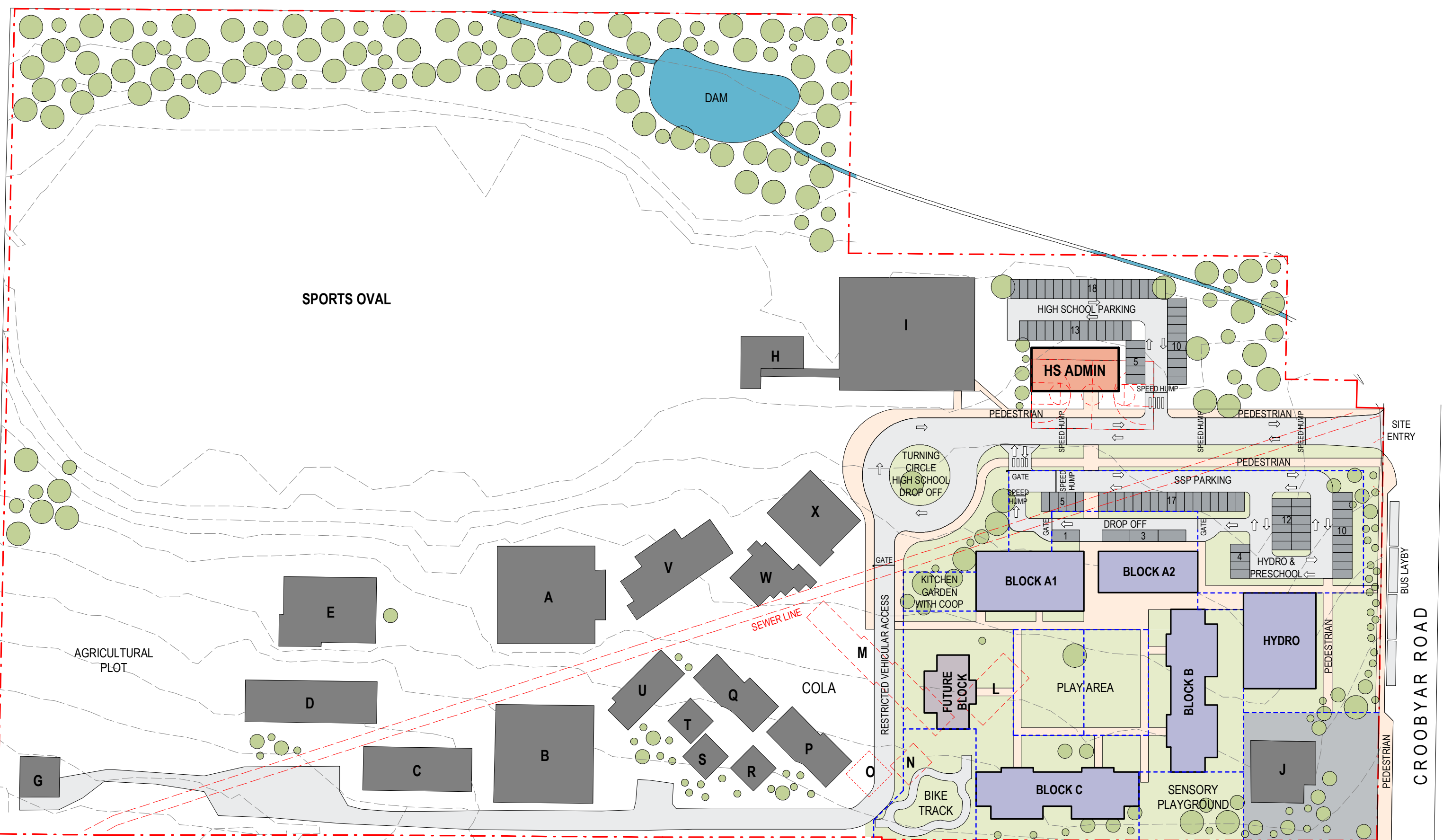


Map Produced by Cardno NSW/ACT Pty Ltd (NW&E)
 Date: 2020-05-22 | Project: 808020243
 Coordinate System: GDA 1994 MGA Zone 56
 Map: 808020243-GS-003-SiteFeatures.mxd 01
 Aerial imagery supplied by Nearmap (January, 2020)

APPENDIX

B

DEVELOPMENT MASTERPLAN



APPENDIX

C

PHOTOGRAPHS



Photograph 1: the location of the SSP redevelopment facing south east



Photograph 2: the location of the SSP redevelopment facing north east



Photograph 3: an asphalt road along the eastern boundary, looking south



Photograph 4: a gazebo observed within the existing Shoalhaven Anglican School play area



Photograph 5: an existing building within the Shoalhaven Anglican School



Photograph 6: a gravel parking area along the eastern site boundary, looking west



Photograph 7: a grassed stockpile in the south eastern portion of the Site along the eastern boundary



Photograph 8: a pile of demolition rubble observed in the south eastern portion of the site along the eastern boundary



Photograph 9: a garden located in the south eastern portion of the site within the 'agricultural plot'



Photograph 10: a shed located in the south eastern portion of the site



Photograph 11: the condition of a concrete slab surrounding the shed located in the south eastern portion of the site



Photograph 12: the condition of a concrete slab surrounding the shed located in the south eastern portion of the site



Photograph 13: gravel containing crushed demolition waste observed in the south eastern portion of the site



Photograph 14: a greenhouse and cultivation area in the southern portion of the site within the 'agricultural plot'



Photograph 15: a greenhouse and cultivation area in the southern portion of the site within the 'agricultural plot'



Photograph 16: vines observed north of the 'agricultural plot' in the southern portion of the site



Photograph 17: the western exterior of the gymnasium located along the western site boundary



Photograph 18: gravel containing crushed demolition waste observed surrounding the gymnasium along the western site boundary



Photograph 19: the existing preschool located in the north eastern corner of the site.



Photograph 20: a wastewater inspection point located in the vicinity of the existing preschool



Photograph 21: a garden bed and discarded items within the preschool yard



Photograph 22: a shed located within the yard of the existing preschool



Photograph 23: existing play equipment within the proposed SSP redevelopment footprint



Photograph 24: a building within the proposed SSP redevelopment footprint that is proposed for demolition



Photograph 25: the soil profile observed during excavation of SS1



Photograph 26: the soil profile observed during excavation of SS2



Photograph 27: the soil profile observed during excavation of SS3

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APPENDIX

D

GEOTECHNICAL REPORT

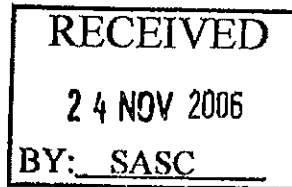
Southern Geotechnics

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2006154 : amw
 16 November, 2006

Shoalhaven Anglican School
 PO Box 32
 Milton, NSW 2538
 Attn: Mr. Peter Taplin



Dear Sir,

**RE: SPORTS GROUND AT CROOBYAR ROAD
 GEOTECHNICAL ASSESSMENT**

1.0 Introduction

As requested, Southern Geotechnics has carried out a geotechnical assessment of the sports ground, in order to provide recommendations on options to remediate and regrade the irregular surface of the sports field.

Following a preliminary site visit and preparation of a fee proposal, a 15m square grid was marked out and levels taken by Mr. Joe Eaton of the school staff, to assist in locating the investigation sites.

Boreholes were drilled to a maximum depth of 5.5m using a 150mm auger mounted on a mini-excavator, and Dynamic Cone Penetrometer (DCP) tests were carried out to assess the strength and consistency of the fill and natural ground.

The grid layout and level readings are shown on the attached Drawing No. 2006154 -2, and the locations of the DCP tests and boreholes are shown on Drawing No.2006154 - 3.

2.0 Site Conditions

The site is located on the southern side of Croobyar Rd, Milton, in the general area circled on Drawing No.2006154 - 1.

Topographically the site is located in undulating terrain, on the western flanks of a rounded ridge feature.

The sports field was constructed about 3 years ago by excavation of up to about 3m into the side of the gently sloping ridge, and the placement of fill up to about 6m, to form a gently sloping terrace which has been grassed, and used for sports.

The terrace is about 150m long, has been formed with an overall fall of about 0.8m across its 100m width, from where the ground slopes down to a creek on the western side of the site.

We understand that shortly after the field was put into use, a few depressions developed which ponded water following rainfall, and some of these were topped up with up to about 300mm of sand, and regressed.

A subsoil drain has been constructed along the toe of the excavated bank, on the eastern side of the field.

2006154:11/16/2006

The regional geological map of Ulladulla, produced by the NSW Geological Survey, shows the site to be underlain by the Milton Monzonite Formation, however some slopewash or alluvial soils were expected adjacent to the creek at the western side of the site.

The soil layers encountered in the boreholes were:

Layer Depth	Description
0.2m	Topsoil fill, dark grey brown to dark grey black, dry to moist
0m – 3m	Fill, silty and slightly sandy clay, low to medium plasticity, dark grey brown to yellow grey brown, some red brown, firm to hard. Some topsoil fill and organic layers which were inferred to represent old stockpiles were encountered within the fill, with these being soft to stiff in consistency, and readily identified by penetrometer testing close to the ground surface.
0m – 2m	Alluvium / slopewash silty clay beneath the fill at the western side of the ground, typically wet and soft to stiff in consistency
1m?	Residual soil – silty clay medium plasticity, dark grey brown & red brown, firm to very stiff; and sandy clay, low plasticity, light yellow brown & yellow grey brown, very stiff to hard
Weathered rock	Slightly clayey gravel to sandy gravel where seepage is or has been present.

The DCP testing frequently indicated that beneath a crust of very stiff topsoil fill, the relative density dropped to very loose to loose for the zone between 0.3m and about 1m deep, before increasing again in relative density. It is inferred that the low resistance is a function of the presence of organic material, and infiltration of rainfall into less dense clayey soil, as only a small amount of moisture was observed upon withdrawing the penetrometer rods.

Tables and graphs of the test results are attached to this report, and the loose zones encountered in many of the test positions over the filled portion of the terrace can be seen on the graphs. The DCP tests were carried out prior to augering at each of the positions shown on the attached site plan, and these were obtained by pacing distances from points on the grid marked out by Mr. Eaton.

Some seepage was encountered in borehole BH6, near the eastern side of the field, and it appears that the subsoil drain does not intercept all the subsurface moisture in this area.

3.0 Site Assessment

We understand that the construction procedure included the use of a scraper to transport soil from the western excavation area to the fill area in the eastern portion of the site, where it, and other stockpiled soil was spread using a dozer.

We understand that ground staff at the school do not recall seeing compaction equipment or a water cart used during the construction period.

Following the completion of earthworks, ground staff were able to water the new grass by flooding the area with water, and a relatively consistent sheet flow across the field indicated that the originally formed surface had a regular gradient.

The field has been formed with an average slope of about 1% down towards the west, however the low points and high points that have apparently developed since construction have

2006154:11/16/2006

significantly impacted on the drainage of the field, and delayed its usage following periods of rainfall.

The irregularities in the surface of the sports field are readily distinguished by eye, and the levels on the marked grid confirm the variation in gradient across the field.

Assuming a constant grade between the eastern and western sides of each grid line, the levels provided confirm that many locations along the central part of the field are up to about 100mm below an even grade line, and that drainage across the field is being further limited by a high strip of ground in the western third of the field.

The major low points which have been ponding water do not coincide with the grid intersections, and given that some of these have already been topped up by up to about 300mm of sandy soil, it is apparent that major settlement has already taken place in parts of the field.

We estimate that between about 75mm to 200mm of long term settlement will occur beneath the western edge of the field, arising from consolidation of the fill and the natural soil. This settlement which is based on the increased depth of fill at this side of the field should tend to increase the effective slope across the field, and improve drainage in the long term. However, the surface observations, and the borehole and DCP tests indicate that the strip of fill along the alignment of boreholes BH13 to BH17 is consistently more dense than that in the other filled areas.

For a compacted fill placed on a base of natural very stiff to hard clay, we would expect a long term settlement of the order 1% to 2% of the fill depth, equating to 15mm to 30mm for say 1.5m of fill.

The apparent settlements of up to 300mm are in excess of this estimate, and the large variation in behaviour can only be attributed to the presence of pockets / zones of organic material, and inconsistent placement and compaction procedures.

The saturation by infiltration of rainfall of fill placed in a dry condition can result in large settlements, and the reported pattern of increasing settlement following ponding in localised depressions tends to support this inferred mechanism.

4.0 Remediation

The boreholes exposed zones of organic fill in many areas, some of which have not yet settled following localised saturation; and areas where silty clay fill appears to have insufficient compaction for it perform as a fill engineered sufficiently for a sports ground.

The presence of the natural firm to stiff clay beneath the deeper, western edge of the fill will result in ongoing settlement, however this will tend to increase the gradient across the field and promote drainage, albeit with potential for some irregularities.

The presence of the strip of more dense fill in the western third of the field is accentuating the effects of the ponding in the central portion, and we recommend that the uppermost 1m of fill is removed and reworked to provide a consistent base for the sports field.

The organic topsoil fill should not be replaced as compacted fill, and given the reduced amount of fill, the gradient of the sports field can be increased to say 2% to reflect the smaller volume, and also to promote surface drainage of the re-grassed surface.

We recommend the following general procedure be adopted to reduce the potential for similarly large differential settlements in the surface of the sports field.

2006154:11/16/2006

1. Strip the topsoil fill from the ground from say 20m to the west of the toe of the excavated batter, and stockpile it for reuse.
2. Excavate the natural soil to the proposed 2% gradient, and any fill to a maximum of 1m below the 2% gradient line. Separate the organic material for landscaping purposes, and stockpile the silty, sand and gravelly clay fill for reuse as engineered fill
3. Shape the subgrade to a regular profile by removing any ridges of natural hard soil, and sub-excavating any soft areas under geotechnical direction.
4. Replace the moisture conditioned silty clay fill in 200mm maximum thickness layers, compacted to not less than 95% Standard Maximum Dry Density and within 3% of Standard Optimum Moisture Content. Density testing should be carried out to confirm that the adopted procedures are producing a suitably dense fill within the recommended range of moisture contents.
5. Grade the surface of the natural soil and filled terrace to the new gradient of say 2% down to the west
6. Re-spread the topsoil, lightly compact, and establish a grass cover

The above earthworks procedures may be carried out in strips in a north-south direction to minimise the distance that materials are moved, however the reworking of a large area will promote the best mixing of materials, and provide the most consistent engineered fill from the variety of materials on site.

Yours faithfully,
Southern Geotechnics Pty Ltd



per: Lex Welham
MIEAust, CPEng(Reg)

Encl.: Explanation Sheets 1 & 2
Engineering Logs of Boreholes BH1 – BH17
Results of Field DCP Testing
Drawing No. 2006154 - 1 Site Location Plan
Drawing No. 2006154 - 2 Site Grid and Levels
Drawing No. 2006154 - 2 Borehole Location Plan

LIMITATIONS ON USE AND LIABILITY

The ground is a product of continuing natural and man-made processes and therefore exhibits a variety of characteristics and properties which vary from place to place and can change with time. Geotechnical engineering involves gathering and assimilating limited data about these characteristics and properties, in order to assess or predict the behaviour of the ground on a particular site under certain conditions. This document may report such observations and data obtained by geological references and reports or surface observation, excavation, probing, sampling, testing or other means of investigation. If so, they are directly relevant only to the ground at the place where, and at the time when, the investigation was carried out. Any interpretation or recommendation given in this report shall be understood to be based on judgement and experience and not on greater knowledge of the facts than the reported investigations would imply. Inferences about the nature and continuity of strata away from boreholes and pits may be made in this report, but cannot be guaranteed.

The interpretation and recommendations are therefore opinions provided for our Client's sole use in accordance with a specified brief. As such they do not necessarily address all aspects of ground behaviour on the subject site. It is recommended that a geotechnical engineer familiar with the site be retained during the construction phase of development to assess if the ground conditions exposed are such that the recommendations in the preliminary report are still valid, and whether the contractor is complying with the recommendations. The responsibility of Southern Geotechnics is solely to its Client. It is not intended that this report be relied upon by any third party, or for any other form of development. No liability to any third party will be accepted. This report is the subject of copyright and shall not be reproduced either wholly, or in part without permission of Southern Geotechnics.

DESCRIPTION AND CLASSIFICATION METHODS

Soil and rock descriptions are generally in accordance with the recommendations of Australian Standard AS 1726-1993, and cover the following properties:

SOIL	ROCK
Colour	Colour
Plasticity	Grain Size
Grain Size	Structure
Minor Components	Minor Components
Moisture	Weathering
Consistency	Strength
Origin and Structure	Discontinuities
Other Relevant Information	

Field tests have been used extensively to assess soil consistency, rock strength, and grain size. Unless specifically stated otherwise, these assessments have been transferred directly to the record sheets and not modified to coincide with laboratory test results. Field descriptions may therefore be used as an independent estimate of material properties which can be correlated with other data.

Individual assessment of colour has been made at field moisture condition, or as received. No reference has been made to standard colour charts, unless specifically stated.

SOIL CLASSIFICATION SYMBOLS

The appropriate group symbol may be given as shown on Sheet 2. This is based on the Unified Soil Classification procedure. (refer to AS1726-1993)

COMPOSITE SOIL TYPE

As most natural soils are a mixture of basic soil types, the primary soil is described and modified by secondary constituents as follows:

- components are approximately equal in proportions - by dual classification eg. CLAY - SAND
- secondary component(s) greater than about 12% - by an adjective eg. clayey SAND
- secondary components between about 5 to 12% - the term "with some" is used. The presence of the secondary component is easily detected by feel or eye, but soil properties would be little different to the general properties of the primary component.
- secondary component just detectable - the term "trace" is used. Soil properties little or no different to the general properties of the primary component.

SOIL MOISTURE CONDITION

DRY (D)	Looks and feels dry, absence of moisture, dusty
MOIST(M)	No free water collects on hands when remoulding
WET (W)	Free water collects on hands when remoulding

Moisture content (w) may be compared to the Plastic Limit (W_p), or Liquid Limit (W_L); eg $w > W_p$ means moisture content has been assessed as being greater than the plastic limit. The presence of any free water is noted on the engineering logs.

APPENDIX

E

SECTION 10.7 PLANNING CERTIFICATE

PLANNING CERTIFICATE UNDER SECTION 10.7
ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979
Certificate No: 2020/01456

Applicant: Mitch Blencowe
16 Burelli Street
Wollongong NSW 2500

Receipt No.: Ext: 106776
Date: 15/05/2020
Fee: \$133
Urgency Fee: \$0.00

Applicant reference: 80820243 PSI

The land to which this Certificate relates is:

Lot 200 DP 1192140, 17 Croobyar Rd, MILTON
Parish of ULLADULLA, County of ST. VINCENT

The above information is as recorded by Council.

DISCLAIMER AND CAUTION:

1. The information on zones, controls etc given below relates to the land for which the certificate was sought. If enquirers wish to know what zones, other controls, etc apply or are proposed on nearby land then they should make enquiries in person at Council's offices.
2. The information contained in this certificate is accurate as at the date of this certificate.
3. In providing this certificate Council has in good faith relied upon information provided to it or sourced from third parties. Where Council has obtained the information from third parties, either exclusively or in conjunction with information held by Council, the Certificate details the source of that third party information. Council cautions persons against relying upon information in the Certificate sourced from third parties as to its accuracy, applicability to specific lands and its currency without verification from the specified third party and, where appropriate, professional advice and the adoption of prudent land acquisition measures and appropriate professional advice. To the full extent permitted by law Council disclaims liability with respect to any information in this Certificate sourced from third parties.

The information contained in this certificate is prepared in accordance with the Environmental Planning and Assessment Act 1979 (as amended) and the Environmental Planning Assessment Regulation 2000 (as amended).

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This is a Planning Certificate issued by Shoalhaven City Council under Section 10.7(2) of the Environmental Planning and Assessment Act 1979 on the application of the person described above in respect of the land described above.

1 Names of relevant planning instruments and DCP's

- (1) The name of each environmental planning instrument that applies to the carrying out of development on the land:

Shoalhaven Local Environmental Plan 2014 (as amended)

State Environmental Planning Policies affecting the City

State Environmental Planning Policy No. 21 – Caravan Parks
State Environmental Planning Policy No. 33 – Hazardous and Offensive Development
State Environmental Planning Policy No. 36 – Manufactured Home Estates
State Environmental Planning Policy No. 50 – Canal Estate Development
State Environmental Planning Policy No. 55 – Remediation of Land
State Environmental Planning Policy No. 64 - Advertising and Signage
State Environmental Planning Policy No. 65 – Design Quality of Residential Apartment Development
State Environmental Planning Policy No. 70 - Affordable Housing (Revised Schemes)
State Environmental Planning Policy (Housing for Seniors or People with a Disability) 2004
State Environmental Planning Policy (Building Sustainability Index: Basix) 2004
State Environmental Planning Policy (State Significant Precincts) 2005
State Environmental Planning Policy (Infrastructure) 2007
State Environmental Planning Policy (Mining Petroleum Production and Extractive Industries) 2007
State Environmental Planning Policy (Exempt and Complying Development Codes) 2008
State Environmental Planning Policy (Affordable Rental Housing) 2009
State Environmental Planning Policy (State and Regional Development) 2011
State Environmental Planning Policy (Educational Establishments and Child Care Facilities) 2017
State Environmental Planning Policy (Vegetation in Non-Rural Areas) 2017
State Environmental Planning Policy (Coastal Management) 2018
State Environmental Planning Policy (Primary Production and Rural Development) 2019
State Environmental Planning Policy (Koala Habitat Protection) 2019

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- (2) The name of each proposed environmental planning instrument that will apply to the carrying out of development on the land and that is or has been the subject of community consultation or on public exhibition under the Act (not including any proposed instrument where the Secretary has notified the Council that the making of the proposed instrument has been deferred indefinitely or has not been approved) is:

Draft State Environmental Planning Policies

Draft State Environmental Planning Policy (Environment) 2017)

Draft State Environmental Planning Policy (Remediation of Land)

Draft State Environmental Planning Policy (Short-term Rental Accommodation)

Explanation of Intended Effect - State Environmental Planning Policies

Explanation of Intended Effect - Proposed Housekeeping Amendment to State Environmental Planning Policy (Exempt and Complying Development Codes) 2008

Explanation of Intended Effect - Proposed Activation Precincts SEPP

Explanation of Intended Effect - Amendment to Infrastructure SEPP

Draft Local Environmental Plans and planning proposals for Local Environmental Plans

PLANNING PROPOSAL - PP018 TO AMEND SHOALHAVEN LOCAL ENVIRONMENTAL PLAN 2014 - LOT 4 DP 834254, BEACH ROAD BERRY - PUBLIC EXHIBITION 17 JULY 2019 TO 16 AUGUST 2019 (52163E) (MIN19.207)

The Beach Road Berry Planning Proposal seeks to rezone the land to a mix of large lot residential and environmental protection zones. The PP also seeks to facilitate the transfer of part of the site as an extension of Seven Mile Beach National Park.

PLANNING PROPOSAL - PP026 TO AMEND SHOALHAVEN LOCAL ENVIRONMENTAL PLAN 2014 COASTAL HAZARDS REVIEW - PUBLIC EXHIBITION 6 FEBRUARY 2019 TO 8 MARCH 2019 (55961E) (MIN18.609)

This Planning Proposal (PP) seeks to remove the Coastal Risk Planning Map from Shoalhaven LEP 2014 and rely on Council's Coastal Hazard Interactive Mapping to identify areas at risk of coastal hazards. The PP will also amend Clause 7.4 Coastal risk planning to apply to all land at risk of coastal hazards instead of land identified in the Coastal Risk Planning Map, to allow for better identification and management of areas at risk of coastal hazards.

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PLANNING PROPOSAL - PP027 TO AMEND SHOALHAVEN LOCAL ENVIRONMENTAL PLAN 2014 - REVIEW OF SUBDIVISION PROVISIONS - PUBLIC EXHIBITION 22 APRIL 2020 TO 22 MAY 2020 (56071E) (MIN19.210)

The Review of Subdivision Provisions Planning Proposal (PP027) intends to amend Shoalhaven LEP 2014 as follows: Include a new sub clause in clause 4.1 to clarify that for the purpose of calculating the area of a battle-axe lot, an access handle is excluded from the calculation; Replace existing clause 4.1A with a minimum lot size for the parent lot prior to the erection of a dual occupancy, manor house, multi dwelling housing, multi dwelling housing (terraces) or residential flat building. The provision also seeks to lift the restriction on Torrens subdivision via clause 4.1 following lawful medium density development; Amend clause 4.1C relating to dwelling houses, attached dwellings and semi-detached dwellings to reduce the minimum lot size for resulting lots from 350m² to 300m²; Include term 'battle-axe' in the Dictionary; Amend all relevant Lot Size Maps to remove the clause 4.1A layer; Rezone certain R2 Low Density Residential land in the following locations to R5 Large Lot Residential to maintain the low density large lot characteristics of the land into the future: Berry, Bomaderry, Bangalee, Tapitallee, North Nowra, Worworing Heights, Bewong, St Georges Basin, Conjola Park, Milton, Lake Tabourie; Include a savings and transition provision to ensure that the proposed amendments do not affect any undetermined development applications or appeal processes.

PLANNING PROPOSAL - PP030 TO AMEND SHOALHAVEN LOCAL ENVIRONMENTAL PLAN 2014 - ULLADULLA CBD (SOUTHERN PART) BUILDING HEIGHT AND ZONING AMENDMENT - PUBLIC EXHIBITION 27 NOVEMBER 2019 TO 28 FEBRUARY 2020 (55480E) (MIN19.617)

The PP seeks to encourage the redevelopment of land in the southern part of the Ulladulla CBD with a mix of compatible uses including apartments, shops, and commercial premises by increasing maximum building heights and amending the land use zoning of certain sites. It also provides opportunities to provide a range of housing close to the CBD, activate local streets and improve the pedestrian environment.

PLANNING PROPOSAL - PP043 TO AMEND SHOALHAVEN LOCAL ENVIRONMENTAL PLAN 2014 - DWELLING HOUSE AS AN ADDITIONAL PERMITTED USE SOUTH NOWRA INDUSTRIAL EXPANSION - PUBLIC EXHIBITION 13 NOVEMBER 2019 TO 13 DECEMBER 2019 (59133E) (MIN19.718)

The PP seeks to permit a dwelling house as an additional permitted use on particular land that is zoned for industrial purposes and located in the South Nowra and Nowra Hill localities, for a time limited period of 10 years.

PLANNING PROPOSAL - PP047 TO AMEND SHOALHAVEN LOCAL ENVIRONMENTAL PLAN 2014 - LOT 502 DP 1221372, C130 PRINCES HIGHWAY MEROO MEADOW - PUBLIC EXHIBITION 13 MAY 2020 TO 26 JUNE 2020 (61813E) (MIN19.532)

The PP intends to amend the zoning, minimum lot size and height of building controls currently applying to the R1 General Residential component of the land to facilitate large lot residential development to manage the density of the land into the future and avoid congestion and adverse impacts on the immediate road network.

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- (3) The name of each development control plan that applies to the carrying out of development on the land is:

Shoalhaven Development Control Plan 2014 (as amended)

(Note: a copy of Shoalhaven Development Control Plan 2014 is available on the internet at www.dcp2014.shoalhaven.nsw.gov.au or can be inspected at Council's Nowra office during normal business hours.)

2 Zoning and land use under relevant LEPs

For Shoalhaven Local Environmental Plan 2014 (as amended)

- a. **The identity of the zone in which the land is included under Shoalhaven Local Environmental Plan 2014:**

Zone RU1 Primary Production

- b. **The purposes for which Shoalhaven Local Environmental Plan 2014 provides that development may be carried out within the zone without the need for development consent:**

Extensive agriculture; Forestry; Home occupations.

- c. **The purposes for which Shoalhaven Local Environmental Plan 2014 provides that development may not be carried out within the zone except with development consent:**

Agriculture; Air transport facilities; Airstrips; Animal boarding or training establishments; Aquaculture; Artisan food and drink industries; Boat building and repair facilities; Boat sheds; Building identification signs; Business identification signs; Camping grounds; Cellar door premises; Cemeteries; Charter and tourism boating facilities; Community facilities; Crematoria; Depots; Dual occupancies (attached); Dwelling houses; Eco-tourist facilities; Educational establishments; Environmental facilities; Environmental protection works; Extractive industries; Farm buildings; Flood mitigation works; Food and drink premises; Group homes; Helipads; Home-based child care; Home businesses; Home industries; Information and education facilities; Intensive livestock agriculture; Intensive plant agriculture; Marinas; Markets; Mooring pens; Moorings; Offensive industries; Open cut mining; Places of public worship; Plant nurseries; Recreation areas; Recreation facilities (indoor); Recreation facilities (major); Recreation facilities (outdoor); Roads; Roadside stalls; Rural industries; Rural workers' dwellings; Tourist and visitor accommodation; Veterinary hospitals; Water recreation structures; Water supply systems.

- d. **The purposes for which Shoalhaven Local Environmental Plan 2014 provides that development is prohibited within the zone:**

Hotel or motel accommodation; Pubs; Serviced apartments; Any other development not specified in item b or c.

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- e. Development standards applying to the land **DO** fix minimum land dimensions for the erection of a dwelling-house on the land and the minimum land dimensions so fixed are:

SHOALHAVEN LOCAL ENVIRONMENTAL PLAN 2014 applies a development standard fixing the minimum lot size for the erection of a dual occupancy (attached) and dwelling-house on this lot. Refer to clause 4.2D of the Instrument. The minimum lot size fixed is: **40 Ha**

- f. The land **DOES NOT** include or comprise critical habitat under Shoalhaven Local Environmental Plan 2014.
(Note: Shoalhaven Local Environmental Plan 2014 does not identify areas of "critical habitat" as defined in Part 7A of the Fisheries Management Act 1994 (subject to section 5AA of the Environmental Planning and Assessment Act 1979). Enquiries about whether the land is "critical habitat" Part 7A of the Fisheries Management Act 1994 should be directed to the NSW Office of Environment and Heritage).
- g. The land **IS NOT** in a conservation area (however described) under Shoalhaven Local Environmental Plan 2014.
(Note: this item relates to "heritage conservation areas" as defined in the LEP).
- h. An item of environmental heritage (however described) under Shoalhaven Local Environmental Plan 2014 **IS NOT** situated on the land.
(Note: "environmental heritage" relates to matters/items of cultural heritage, for example, items listed on the State Register, items specifically listed in the LEP or matters subject to an "interim heritage order" under the Heritage Act 1977).

Other provisions under Shoalhaven Local Environmental Plan 2014 may also apply to the development of this land. You can view the Shoalhaven Local Environmental Plan 2014 at the website www.legislation.nsw.gov.au or at Council's offices.

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2A **Zoning and land use under State Environmental Planning Policy (Sydney Region Growth Centres) 2006**

(a) The land **IS NOT** within any zone (however described) under Part 3 of the State Environmental Planning Policy (Sydney Region Growth Centres) 2006 (the 2006 SEPP), or

(b) The land **IS NOT** within any Precinct Plan (within the meaning of the 2006 SEPP), or

(c) The land **IS NOT** within a proposed Precinct Plan that is or has been the subject of community consultation or on public exhibition under the Act.

3 **Complying development**

Qualifying Statement on Council Data Affecting this Item

Shoalhaven City Council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land, however specific land restrictions may not apply to all of the land. The information included in this Planning Certificate is provided in accordance with the Environmental Planning & Assessment Regulation 2000 (as amended). It is strongly suggested that you review the State Environmental Planning Policy (Exempt and Complying Developments Codes) 2008 and supporting information before proceeding with the lodgement of a Complying Development Certificate application to either Council or a private certifier. The NSW Department of Planning and Environment has provided a series of information sheets on its website

<http://www.planning.nsw.gov.au/exemptandcomplying>

Note: There are other provisions in State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 that must be complied with in order for development on the land to be complying development. Refer to State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 to identify if a Code applies to your land.

Specific land exemptions for Housing Code, Rural Housing and Greenfield Housing Code

The extent to which the land is land on which complying development may be carried out under each of the codes for complying development of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 **IS NOT RESTRICTED** by any of the provisions of clauses 1.17A (1)(c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 but the restriction may not apply to all of the land, and Council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.

Specific land exemptions for Housing Alterations Code and General Development Code

The extent to which the land is land on which complying development may be carried out under the codes of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 **IS NOT RESTRICTED** by the following provisions of clauses 1.17A (1)(c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 but the restriction may not apply to all of the land, and Council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.

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**Specific land exemptions for Commercial and Industrial (New Buildings and Additions)
Code**

The extent to which the land is land on which complying development may be carried out under the codes of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 **IS NOT RESTRICTED** by the following provisions of clauses 1.17A (1)(c) to (e), (2), (3) and (4), 1.18(1) (c3) and 1.19 of State Environmental Planning Policy (Exempt and Complying Development Codes) 2008 but the restriction may not apply to all of the land, and Council does not have sufficient information to ascertain the extent to which complying development may or may not be carried out on the land.

4B Annual charges under Local Government Act 1993 for coastal protection services that relate to existing coastal protection works

The owner (or any previous owner) of the land **HAS NOT** consented in writing to the land being subject to annual charges under section 496B of the Local Government Act 1993 for coastal protection services that relate to existing coastal protection works (within the meaning of section 553B of that Act).

5 Mine subsidence

The land **HAS NOT** been proclaimed to be a mine subsidence district within the meaning of section 15 of the Mine Subsidence Compensation Act 1961.

6 Road widening and road alignment

- (a) The land **IS NOT** affected by any road widening or road realignment under Division 2 of Part 3 of the Roads Act 1993
- (b) If the land is affected by any road widening or road realignment under any environmental planning instrument it will be listed below.
- (c) The land **IS NOT** affected by any road widening or road realignment under any resolution of Council.

Note: Information in item 6, relates to Council's road proposals; other authorities e.g. NSW Roads and Maritime Services, may have proposals not set out herein.

7 Council and other public authority policies on hazard risk restrictions

(a) The land **IS** affected by the following policy or policies adopted by the Council that restrict the development of the land because of the likelihood of land slip, bushfire, tidal inundation, subsidence, acid sulfate soils or any other risk (other than flooding).

Shoalhaven Development Control Plan 2014

Contaminated Land Policy 2013

Shoalhaven Coastal Zone Management Plan 2018

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(b) The land **IS** affected by a policy adopted by a public authority (other than the Council) and notified to the Council for the express purpose of its adoption by that authority being referred to in planning certificates issued by the Council, that restricts the development of the land because of the likelihood of land slip, bushfire, tidal inundation, subsidence, acid sulfate soils or any other risk (other than flooding).

Land Identified As Bushfire Prone

Under the Environmental Planning and Assessment Act 1979, Council is obliged to map bushfire prone land and to indicate bushfire prone land on planning certificates.

PART The land the subject of this certificate is within a designated bushfire prone area. Intending purchasers should consult the "Planning for Bush Fire Protection" document (NSW Rural Fire Service/NSW Department of Planning, Industry and Environment, November 2019) which identifies possible restrictions on the development of land because of the likelihood of bushfire.

7A Flood related development controls information

(1) Whether or not development on that land or part of the land for the purposes of dwelling houses, dual occupancies, multi dwelling housing or residential flat buildings (not including development for the purposes of group homes or seniors housing) is subject to flood related development controls.

(2) Whether or not development on that land or part of the land for any other purpose is subject to flood related development controls.

(3) Words and expressions in this clause have the same meanings as in the Standard Instrument.

(1) Council does not have sufficient information to determine whether or not development on the land or part of the land for the purposes of dwelling houses, dual occupancies, multi dwelling housing or residential flat buildings (not including development for the purposes of group homes or seniors housing) is subject to flood related development controls as contained in Clause 7.3 of Shoalhaven Local Environmental Plan 2014 or Chapter G9 of Shoalhaven Development Control Plan 2014.

(2) Council does not have sufficient information to determine whether or not development on the land or part of the land for any other purpose is subject to flood related development controls as contained in Clause 7.2A and Clause 7.3 of Shoalhaven Local Environmental Plan 2014 or Chapter G9 and Chapter G10 of Shoalhaven Development Control Plan 2014.

In relation to sub clause (1) and (2) above, if the land or part of the land is within 40 metres of a creek; or is within 10 metres of a major drainage system, local overland flow path or drainage easement; or has a history of flooding then a flood assessment report will need to be submitted with any development application under the requirements of the Shoalhaven Development Control Plan 2014. The flood assessment report is to identify whether or not the land or part of the land is flood prone and determine, if flood prone, the probable maximum flood extent and the flood planning level.

For further information or to request a flood certificate, please contact Council's Natural Resources Unit.

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8 Land reserved for acquisition

The land **IS NOT** reserved for acquisition by a public authority, as referred to in section 27 of the Act under any environmental planning instrument, or proposed environmental planning instrument referred to in clause 1.

9 Contributions plans

The name of the contributions plan applying to the land is:

Shoalhaven Contributions Plan 2019 (as amended)

9a Biodiversity certified land

The land **IS NOT** biodiversity certified land under Part 8 of the Biodiversity Conservation Act 2016.

Note: Biodiversity certified land includes land certified under Part 7AA of the Threatened Species Conservation Act 1995 that is taken to be certified under Part 8 of the Biodiversity Conservation Act 2016.

10 Biobanking stewardship sites

The council **HAS NOT** been notified by the Chief Executive of the Office of Environment and Heritage whether or not the land is a biodiversity stewardship site under a biodiversity stewardship agreement under Part 5 of the Biodiversity Conservation Act 2016.

Note: Biodiversity stewardship agreements include biobanking agreements under Part 7A of the Threatened Species Conservation Act 1995 that are taken to be biodiversity stewardship agreements under Part 5 of the Biodiversity Conservation Act 2016.

10a Native vegetation clearing set asides

The land **DOES NOT** contain a set aside area under section 60ZC of the Local Land Services Act 2013.

11 Bush fire prone land

Part of the land **IS** bushfire prone land (as defined in the Environmental Planning and Assessment Act 1979).

12 Property vegetation plans

The Council **HAS NOT** been notified that the land is land to which a property vegetation plan approved under Part 4 of the Native Vegetation Act 2003 (and that continues in force) applies.

13 Orders under Trees (Disputes Between Neighbours) Act 2006

The Council **HAS NOT** been notified that an order has been made under the Trees (Disputes Between Neighbours) Act 2006 to carry out work in relation to a tree on the land.

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14 Directions under Part 3A

There is no direction by the Minister in force under section 75P (2) (c1) of the 'Environmental Planning and Assessment Act 1979' that a provision of an environmental planning instrument prohibiting or restricting the carrying out of a project or a stage of a project on the land under Part 4 of the Act does not have effect.

15 Site compatibility certificates and conditions for seniors housing

The Council **IS NOT** aware of any current site compatibility certificate (seniors housing) in respect of proposed development on the land.

16 Site compatibility certificates for infrastructure, schools or TAFE establishments

The Council **IS NOT** aware of a current site compatibility certificate (Infrastructure) or site compatibility certificate (schools or TAFE establishments), in respect of proposed development on the land.

17 Site compatibility certificates and conditions for affordable rental housing

The Council **IS NOT** aware of a current site compatibility certificate (affordable rental housing), in respect of proposed development on the land.

18 Paper subdivision information

The land **IS NOT** affected by a development plan (proposed or adopted) or subdivision order as defined under Part 16C of the Environmental Planning & Assessment Regulation 2000

19 Site verification certificates

The Council **IS NOT** aware of a current site verification certificate (mining, petroleum production and extractive industries), in respect of this land.

20 Loose-filled asbestos insulation

The land **DOES NOT** include any residential premises (within the meaning of Division 1A of Part 8 of the Home Building Act 1989) that are listed on the register that is required to be maintained under that Division.

21 Affected building notices and building product rectification orders

(1) The Council **IS NOT** aware of any affected building notice as defined under the Building Products (Safety) Act 2017 that is in force in respect of the land.

(2)(a) The Council **IS NOT** aware of any building product rectification order as defined under the Building Products (Safety) Act 2017 that is in force in respect of the land and has not been fully complied with, and

(2)(b) The Council **IS NOT** aware of any notice of intention to make a building product rectification order as defined under the Building Products (Safety) Act 2017 given in respect of the land and is outstanding.

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Note: Contaminated Land Management Act 1997: The following matters are prescribed by Section 59(2) of the Contaminated Land Management Act 1997 as additional matters to be specified in a planning certificate:

- (a) The Council **HAS NOT** been informed by the Environment Protection Authority that the land is significantly contaminated land within the meaning of the Contaminated Land Management Act 1997.
- (b) The Council **HAS NOT** been informed by the Environment Protection Authority that the land is subject to a management order within the meaning of the Contaminated Land Management Act 1997.
- (c) The Council **HAS NOT** been informed by the Environment Protection Authority that the land is subject of an approved voluntary management proposal within the meaning of the Contaminated Land Management Act 1997.
- (d) The Council **HAS NOT** been informed by the Environment Protection Authority that the land is subject of an ongoing maintenance order within the meaning of the Contaminated Land Management Act 1997.
- (e) The land **IS NOT** the subject of a site audit statement within the meaning of the Contaminated Land Act 1997 that has been provided to the Council.

Information under Section 10.7(5)

As at the date of this certificate, the abovementioned land is also affected as follows:

(NOTE: SECTION 10.7(6) STATES THAT A COUNCIL SHALL NOT INCUR ANY LIABILITY IN RESPECT OF ANY ADVICE PROVIDED IN GOOD FAITH PURSUANT TO SECTION 10.7(5)

DCP's, Contribution Plans & Planning Agreements

SHOALHAVEN CONTRIBUTIONS PLAN 2019 - DRAFT AMENDMENT NO 5 - BOARDING HOUSES - PUBLIC EXHIBITION 13 MAY 2020 to 12 JUNE 2020 (64031E) (MIN20.240)

The Amendment seeks to reduce the equivalent tenement (ET) rate for boarding houses from 0.4ETs to 0.2ETs per boarding house bedroom to incentivise the supply of affordable housing in Shoalhaven.

SHOALHAVEN DEVELOPMENT CONTROL PLAN 2014 - DRAFT AMENDMENT NO 41 - CHAPTER G21 and DICTIONARY - PUBLIC EXHIBITION 26 FEBRUARY 2020 to 27 MARCH 2020 (62134E) (MIN20.23)

The draft G21 and Dictionary Amendment proposes to improve the function of the Chapters, address gaps in policy and address operational issues or matters that need clarification that have been identified since the Shoalhaven DCP 2014 originally commenced. The draft DCP Amendment proposes changes to the following DCP Chapters: Chapter G2: Car Parking and Traffic and the Dictionary. Chapter G21 applies to all development in the Shoalhaven and provides guidance to applicants and the industry regarding car parking, traffic, access, manoeuvring, servicing and construction.

PLANNING CERTIFICATE UNDER SECTION 10.7
ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979

Certificate No: 2020/01456

PLANNING AGREEMENT - SVPA2020-17 - 510 BEACH ROAD BERRY- PUBLIC EXHIBITION 25 MARCH 2020 to 21 APRIL 2020 (61574E)

The draft Planning Agreement seeks to provide arrangements for transfer of the proposed E1 land within Coomonderry Swamp to NPWS.

[svpa2020-17-510-beach-road-berry-2535-enid-maude-hall-planning-agreement.](#)

Matters Affecting This Land

HMAS ALBATROSS MILITARY AIRCRAFT OPERATING AREA

Advice to Council on 3 November 2006 confirms information previously provided by The Department of Defence, that the subject land is within HMAS Albatross Military Aircraft Operating Area. Specific heights can be obtained by contacting HMAS Albatross at Nowra.

Matters Affecting The Whole Of The City

ACID SULFATE SOILS - Large areas of the coastal zone of NSW have the potential to be affected by acid sulfate soils which become problematic if exposed during excavations or similar activities. The Dept of Land & Water Conservation have maps which indicate the potential occurrence of acid sulfate soils. Prior to undertaking work which involves substantial soil disturbance, you should ascertain the possibility of acid sulfate soils existing on your property. Enquiries to NSW Department of Planning & Environment.

INTERIM POLICY - DEVELOPMENT ADJOINING NARROW LANEWAYS

Council resolved on 6 November 2018 to adopt an interim policy position regarding development adjoining narrow laneways. The Interim Policy provides direction regarding access, servicing, design and use of narrow laneways as a primary frontage. Contact Council's Planning, Environment & Development Group for further information. (MIN18.891) (57914E)

POLICY - CAR PARKING WAIVER - CHANGE OF USE DEVELOPMENT IN TRADITIONAL RETAIL CENTRES

Council resolved on 30 October 2018 to adopt a policy position to waive car parking requirements for change of use development in traditional retail centres. Contact Council's Planning, Environment & Development Group for further information. (MIN18.880) (POL18/73)

POLICY - PROVISION OF WATER AND SEWERAGE INFRASTRUCTURE - DEVELOPMENT NOT INCLUDED IN DEVELOPMENT SERVICING PLANS

This Policy shall apply to all lands which have not been included in water supply and/or sewerage services development servicing plans.

POLICY - COMPANION ANIMALS (IMPACTS ON NATIVE FAUNA) - CONDITIONS OF DEVELOPMENT CONSENT

Council resolved on 21 February 2017, in order to protect populations of native fauna, including threatened species, from impacts associated with the keeping of domestic cats and dogs within certain development, that appropriate restrictions on title or conditions of consent for the management of companion animals may be applied in sensitive environmental locations" (23139E)(MIN17.95)(MIN17.95)

PLANNING CERTIFICATE UNDER SECTION 10.7
ENVIRONMENTAL PLANNING AND ASSESSMENT ACT, 1979

Certificate No: 2020/01456

INFORMATION REGARDING LOOSE-FILLED ASBESTOS INSULATION

Some residential homes located in NSW have been identified as containing loose-fill asbestos insulation, for example in the roof space. NSW Fair Trading maintains a Register of homes that are affected by loose-fill asbestos insulation.

You should make your own enquiries as to the age of the buildings on the land to which this certificate relates and, if it contains a building constructed prior to 1980, Council recommends that any potential purchaser obtain advice from a licensed asbestos assessor to determine whether loose-fill asbestos is present in any building on the land and, if so, the health risks (if any) this may pose for the building's occupants.

Contact NSW Fair Trading for further information.

INFORMATION REGARDING FOSSICKING DISTRICT 68.

Pursuant to section 369A of the Mining Act 1992, the Department of Planning & Environment have declared all land within the Shoalhaven City Council Local Government Area to be a Fossicking District (Fossicking District 68). Contact the NSW Department of Planning & Environment for further information.

for the CHIEF EXECUTIVE OFFICER

APPENDIX

F

LOTSEARCH DESKTOP SEARCHES



LOTSEARCH

LOTSEARCH ENVIRO PROFESSIONAL

Date: 19 May 2020 12:30:27

Reference: LS012408 EP

Address: 17 Croobyar Road, Milton, NSW 2538

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.

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 Onsite	No. Features within 100m	No. Features within Buffer
Cadastre Boundaries	NSW Department of Finance, Services & Innovation	03/03/2020	03/03/2020	Quarterly	-	-	-	-
Topographic Data	NSW Department of Finance, Services & Innovation	25/06/2019	25/06/2019	As required	-	-	-	-
List of NSW contaminated sites notified to EPA	Environment Protection Authority	15/05/2020	15/05/2020	Monthly	1000	0	0	1
Contaminated Land Records of Notice	Environment Protection Authority	21/04/2020	21/04/2020	Monthly	1000	0	0	0
Former Gasworks	Environment Protection Authority	21/04/2020	11/10/2017	Monthly	1000	0	0	0
National Waste Management Facilities Database	Geoscience Australia	15/05/2020	07/03/2017	Quarterly	1000	0	0	0
National Liquid Fuel Facilities	Geoscience Australia	05/02/2020	13/07/2012	Quarterly	1000	0	0	3
EPA PFAS Investigation Program	Environment Protection Authority	22/04/2020	22/04/2020	Monthly	2000	0	0	0
Defence PFAS Investigation & Management Program - Investigation Sites	Department of Defence	12/02/2020	12/02/2020	Monthly	2000	0	0	0
Defence PFAS Investigation & Management Program - Management Sites	Department of Defence	12/02/2020	12/02/2020	Monthly	2000	0	0	0
Airservices Australia National PFAS Management Program	Airservices Australia	22/04/2020	22/04/2020	Monthly	2000	0	0	0
Defence 3 Year Regional Contamination Investigation Program	Department of Defence	04/05/2020	04/05/2020	Monthly	2000	0	0	0
EPA Other Sites with Contamination Issues	Environment Protection Authority	04/02/2020	13/12/2018	Annually	1000	0	0	0
Licensed Activities under the POEO Act 1997	Environment Protection Authority	15/05/2020	15/05/2020	Monthly	1000	0	0	0
Delicensed POEO Activities still regulated by the EPA	Environment Protection Authority	15/05/2020	15/05/2020	Monthly	1000	0	0	0
Former POEO Licensed Activities now revoked or surrendered	Environment Protection Authority	15/05/2020	15/05/2020	Monthly	1000	3	3	3
UBD Business Directories (Premise & Intersection Matches)	Hardie Grant			Not required	150	0	6	9
UBD Business Directories (Road & Area Matches)	Hardie Grant			Not required	150	-	423	430
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Premise & Intersection Matches)	Hardie Grant			Not required	500	0	0	0
UBD Business Directory Dry Cleaners & Motor Garages/Service Stations (Road & Area Matches)	Hardie Grant			Not required	500	-	13	14
Points of Interest	NSW Department of Finance, Services & Innovation	19/02/2020	19/02/2020	Quarterly	1000	0	0	23
Tanks (Areas)	NSW Department of Customer Service - Spatial Services	19/02/2020	19/02/2020	Quarterly	1000	0	0	1
Tanks (Points)	NSW Department of Customer Service - Spatial Services	19/02/2020	19/02/2020	Quarterly	1000	0	0	0
Major Easements	NSW Department of Finance, Services & Innovation	19/02/2020	19/02/2020	Quarterly	1000	0	3	13
State Forest	Forestry Corporation of NSW	18/01/2018	18/01/2018	As required	1000	0	0	0
NSW National Parks and Wildlife Service Reserves	NSW Office of Environment & Heritage	21/01/2020	30/09/2019	Annually	1000	0	0	0
Hydrogeology Map of Australia	Commonwealth of Australia (Geoscience Australia)	08/10/2014	17/03/2000	As required	1000	1	1	1
Botany Groundwater Management Zones	NSW Department of Planning, Industry and Environment	15/03/2018	01/10/2005	As required	1000	0	0	0

Dataset Name	Custodian	Supply Date	Currency Date	Update Frequency	Dataset Buffer (m)	No. Features Onsite	No. Features within 100m	No. Features within Buffer
Groundwater Boreholes	NSW Dept. of Primary Industries - Water NSW; Commonwealth of Australia (Bureau of Meteorology)	24/07/2018	23/07/2018	Annually	2000	0	0	12
Geological Units 1:250,000	NSW Department of Planning, Industry and Environment	20/08/2014		None planned	1000	1	-	2
Geological Structures 1:250,000	NSW Department of Planning, Industry and Environment	20/08/2014		None planned	1000	0	-	0
Naturally Occurring Asbestos Potential	NSW Dept. of Industry, Resources & Energy	04/12/2015	24/09/2015	Unknown	1000	0	0	0
Atlas of Australian Soils	Australian Bureau of Agriculture and Resource Economics and Sciences (ABARES)	19/05/2017	17/02/2011	As required	1000	1	1	2
Environmental Planning Instrument Acid Sulfate Soils	NSW Department of Planning, Industry and Environment	24/04/2020	28/02/2020	Monthly	500	1	-	-
Atlas of Australian Acid Sulfate Soils	CSIRO	19/01/2017	21/02/2013	As required	1000	1	1	2
Dryland Salinity - National Assessment	National Land and Water Resources Audit	18/07/2014	12/05/2013	None planned	1000	0	0	0
Dryland Salinity Potential of Western Sydney	NSW Department of Planning, Industry and Environment	12/05/2017	01/01/2002	None planned	1000	-	-	-
Mining Subsidence Districts	NSW Department of Customer Service - Subsidence Advisory NSW	19/02/2020	19/02/2020	Quarterly	1000	0	0	0
Environmental Planning Instrument SEPP State Significant Precincts	NSW Department of Planning, Industry and Environment	24/04/2020	07/12/2018	Monthly	1000	0	0	0
Environmental Planning Instrument Land Zoning	NSW Department of Planning, Industry and Environment	26/03/2020	26/03/2020	Monthly	1000	1	9	58
Commonwealth Heritage List	Australian Government Department of the Agriculture, Water and the Environment	04/02/2020	31/07/2018	Quarterly	1000	0	0	0
National Heritage List	Australian Government Department of the Agriculture, Water and the Environment	04/02/2020	20/11/2019	Quarterly	1000	0	0	0
State Heritage Register - Curtilages	NSW Department of Planning, Industry and Environment	12/02/2020	09/11/2018	Quarterly	1000	0	0	0
Environmental Planning Instrument Heritage	NSW Department of Planning, Industry and Environment	24/04/2020	17/04/2020	Monthly	1000	1	3	56
Bush Fire Prone Land	NSW Rural Fire Service	04/02/2020	14/12/2019	Quarterly	1000	2	2	3
Vegetation of Southern Forests	NSW Office of Environment & Heritage	09/12/2014	10/10/2011	Unknown	1000	0	0	2
Ramsar Wetlands of Australia	Department of the Agriculture, Water and the Environment	08/10/2014	24/06/2011	As required	1000	0	0	0
Groundwater Dependent Ecosystems	Bureau of Meteorology	14/08/2017	15/05/2017	Unknown	1000	0	0	3
Inflow Dependent Ecosystems Likelihood	Bureau of Meteorology	14/08/2017	15/05/2017	Unknown	1000	0	0	9
NSW BioNet Species Sightings	NSW Office of Environment & Heritage	18/05/2020	18/05/2020	Weekly	10000	-	-	-

Site Diagram

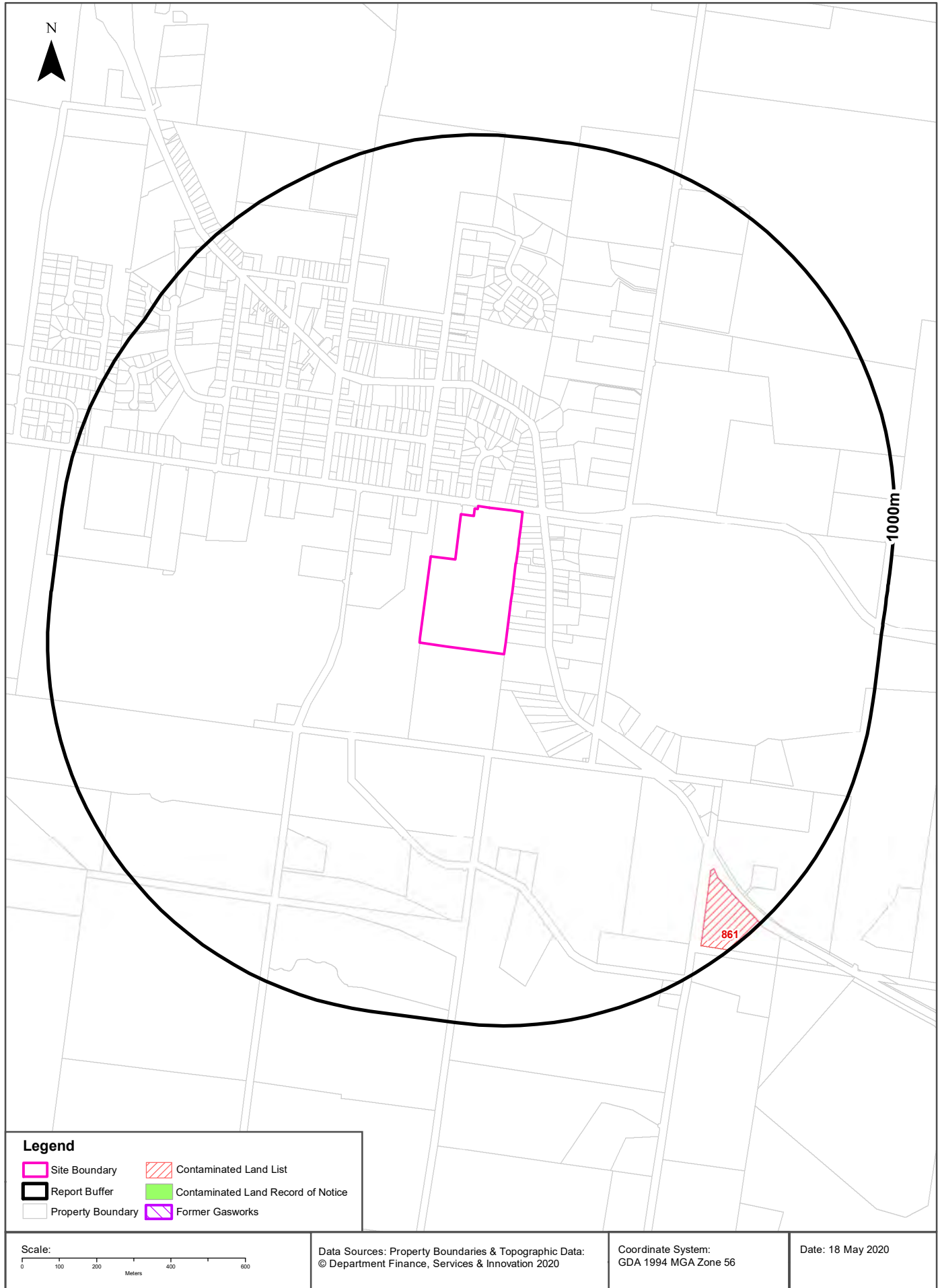
17 Croobyar Road, Milton, NSW 2538



Legend Site Boundary Internal Parcel Boundaries	Total Area: 77515m ² Total Perimeter: 1230m	Scale:
	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.	Data Sources: Aerial Imagery: © NSW Department Finance, Services & Innovation 2020
	Coordinate System: GDA 1994 MGA Zone 56	Date: 18 May 2020

Contaminated Land

17 Croobyar Road, Milton, NSW 2538



Contaminated Land

17 Croobyar Road, Milton, NSW 2538

List of NSW contaminated sites notified to EPA

Records from the NSW EPA Contaminated Land list within the dataset buffer:

Map Id	Site	Address	Suburb	Activity	Management Class	Status	Location Confidence	Dist (m)	Direction
861	Caltex Milton Service Station and Depot	331 Princes Highway	Milton	Service Station	Regulation under CLM Act not required	Current EPA List	Premise Match	804m	South East

The values within the EPA site management class in the table above, are given more detailed explanations in the table below:

EPA site management class	Explanation
Contamination being managed via the planning process (EP&A Act)	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. The contamination of this site is managed by the consent authority under the Environmental Planning and Assessment Act 1979 (EP&A Act) planning approval process, with EPA involvement as necessary to ensure significant contamination is adequately addressed. The consent authority is typically a local council or the Department of Planning and Environment.
Contamination currently regulated under CLM Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). Management of the contamination is regulated by the EPA under the CLM Act. Regulatory notices are available on the EPA's Contaminated Land Public Record of Notices.
Contamination currently regulated under POEO Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. Management of the contamination is regulated under the Protection of the Environment Operations Act 1997 (POEO Act). The EPA's regulatory actions under the POEO Act are available on the POEO public register.
Contamination formerly regulated under the CLM Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). The contamination was addressed under the CLM Act.
Contamination formerly regulated under the POEO Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed under the Protection of the Environment Operations Act 1997 (POEO Act).
Contamination was addressed via the planning process (EP&A Act)	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed by the appropriate consent authority via the planning process under the Environmental Planning and Assessment Act 1979 (EP&A Act).
Ongoing maintenance required to manage residual contamination (CLM Act)	The EPA has determined that ongoing maintenance, under the Contaminated Land Management Act 1997 (CLM Act), is required to manage the residual contamination. Regulatory notices under the CLM Act are available on the EPA's Contaminated Land Public Record of Notices.
Regulation being finalised	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997. A regulatory approach is being finalised.
Regulation under the CLM Act not required	The EPA has completed an assessment of the contamination and decided that regulation under the Contaminated Land Management Act 1997 is not required.
Under assessment	The contamination is being assessed by the EPA to determine whether regulation is required. The EPA may require further information to complete the assessment. For example, the completion of management actions regulated under the planning process or Protection of the Environment Operations Act 1997. Alternatively, the EPA may require information via a notice issued under s77 of the Contaminated Land Management Act 1997 or issue a Preliminary Investigation Order.

NSW EPA Contaminated Land List Data Source: Environment Protection Authority
 © State of New South Wales through the Environment Protection Authority

Contaminated Land

17 Croobyar Road, Milton, NSW 2538

Contaminated Land: Records of Notice

Record of Notices within the dataset buffer:

Map Id	Name	Address	Suburb	Notices	Area No	Location Confidence	Distance	Direction
N/A	No records in buffer							

Contaminated Land Records of Notice Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority
Terms of use and disclaimer for Contaminated Land: Record of Notices, please visit
<http://www.epa.nsw.gov.au/clm/clmdisclaimer.htm>

Former Gasworks

Former Gasworks within the dataset buffer:

Map Id	Location	Council	Further Info	Location Confidence	Distance	Direction
N/A	No records in buffer					

Former Gasworks Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Waste Management & Liquid Fuel Facilities

17 Croobyar Road, Milton, NSW 2538



Legend

- Site Boundary
- Report Buffer
- Property Boundary
- National Liquid Fuel Facilities
- Waste Management Facilities

Scale: 0 100 200 400 600 Meters

Data Sources: Property Boundaries & Topographic Data:
© Department Finance, Services & Innovation 2020

Coordinate System:
GDA 1994 MGA Zone 56

Date: 18 May 2020

Waste Management & Liquid Fuel Facilities

17 Croobyar Road, Milton, NSW 2538

National Waste Management Site Database

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

Site Id	Owner	Name	Address	Suburb	Class	Landfill	Reprocess	Transfer	Comments	Loc Conf	Dist (m)	Direction
N/A	No records in buffer											

Waste Management Facilities Data Source: Geoscience Australia

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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
3770	Independent	Milton	345 Princes Highway	Milton	Fuel Depot	Operational	Kel Campbell Pty Ltd	04/10/2012	Premise Match	804m	South East
5007	Independent Fuel Supplies	Kel Campbell Pty Ltd	345 Princes Highway	Milton	Petrol Station	Operational		25/07/2011	Premise Match	804m	South East
4728	Independent Fuel Supplies	Independent Milton	59 Princes Highway	Milton	Petrol Station	Operational		25/07/2011	Premise Match	878m	North West

National Liquid Fuel Facilities Data Source: Geoscience Australia

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PFAS Investigation & Management Programs

17 Croobyar Road, Milton, NSW 2538

EPA PFAS Investigation Program

Sites that are part of the EPA PFAS investigation program, within the dataset buffer:

Id	Site	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

EPA PFAS Investigation Program: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Defence PFAS Investigation Program

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

Map ID	Base Name	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

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

Defence PFAS Management Program

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

Map ID	Base Name	Address	Loc Conf	Dist	Dir
N/A	No records in buffer				

Defence PFAS 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	Loc Conf	Dist	Dir
N/A	No records in buffer				

Airservices Australia National PFAS Management Program Data Custodian: Airservices Australia

Defence Sites

17 Croobyar Road, Milton, NSW 2538

Defence 3 Year Regional Contamination Investigation Program

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

EPA Other Sites with Contamination Issues

17 Croobyar Road, Milton, NSW 2538

EPA Other Sites with Contamination Issues

This dataset contains other sites identified on the EPA website as having contamination issues. This dataset currently includes:

- James Hardie asbestos manufacturing and waste disposal sites
- Radiological investigation sites in Hunter's Hill
- Pasmenco Lead Abatement Strategy Area

Sites within the dataset buffer:

Site Id	Site Name	Site Address	Dataset	Comments	Location Confidence	Distance	Direction
N/A	No records in buffer						

EPA Other Sites with Contamination Issues: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

EPA Activities

17 Croobyar Road, Milton, NSW 2538

Licensed Activities under the POEO Act 1997

Licensed activities under the Protection of the Environment Operations Act 1997, within the dataset buffer:

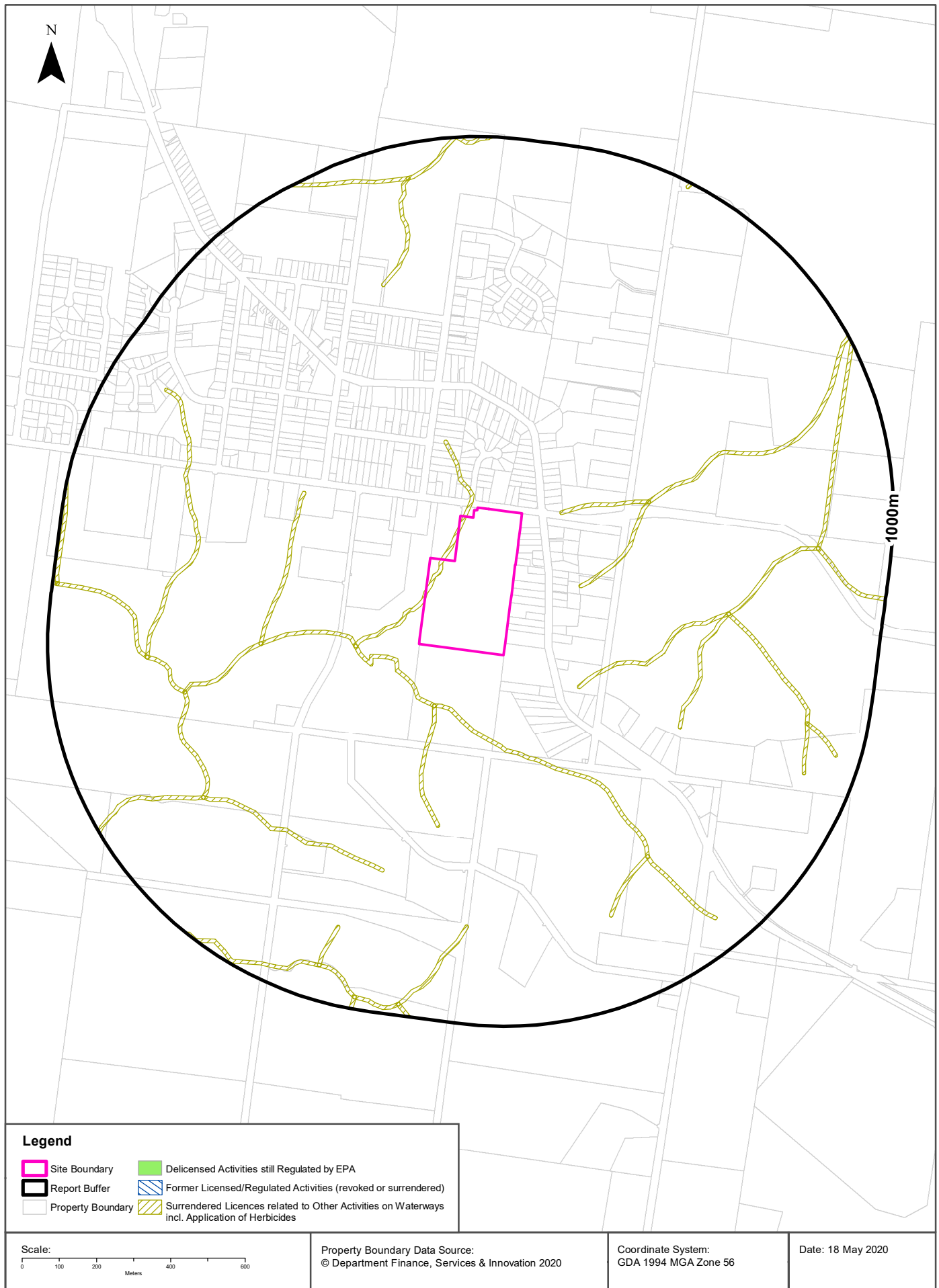
EPL	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
N/A	No records in buffer							

POEO Licence Data Source: Environment Protection Authority

© State of New South Wales through the Environment Protection Authority

Delicensed & Former Licensed EPA Activities

17 Croobyar Road, Milton, NSW 2538



EPA Activities

17 Croobyar Road, Milton, NSW 2538

Delicensed Activities still regulated by the EPA

Delicensed activities still regulated by the EPA, within the dataset buffer:

Licence No	Organisation	Name	Address	Suburb	Activity	Loc Conf	Distance	Direction
N/A	No records in buffer							

Delicensed Activities Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Former Licensed Activities under the POEO Act 1997, now revoked or surrendered

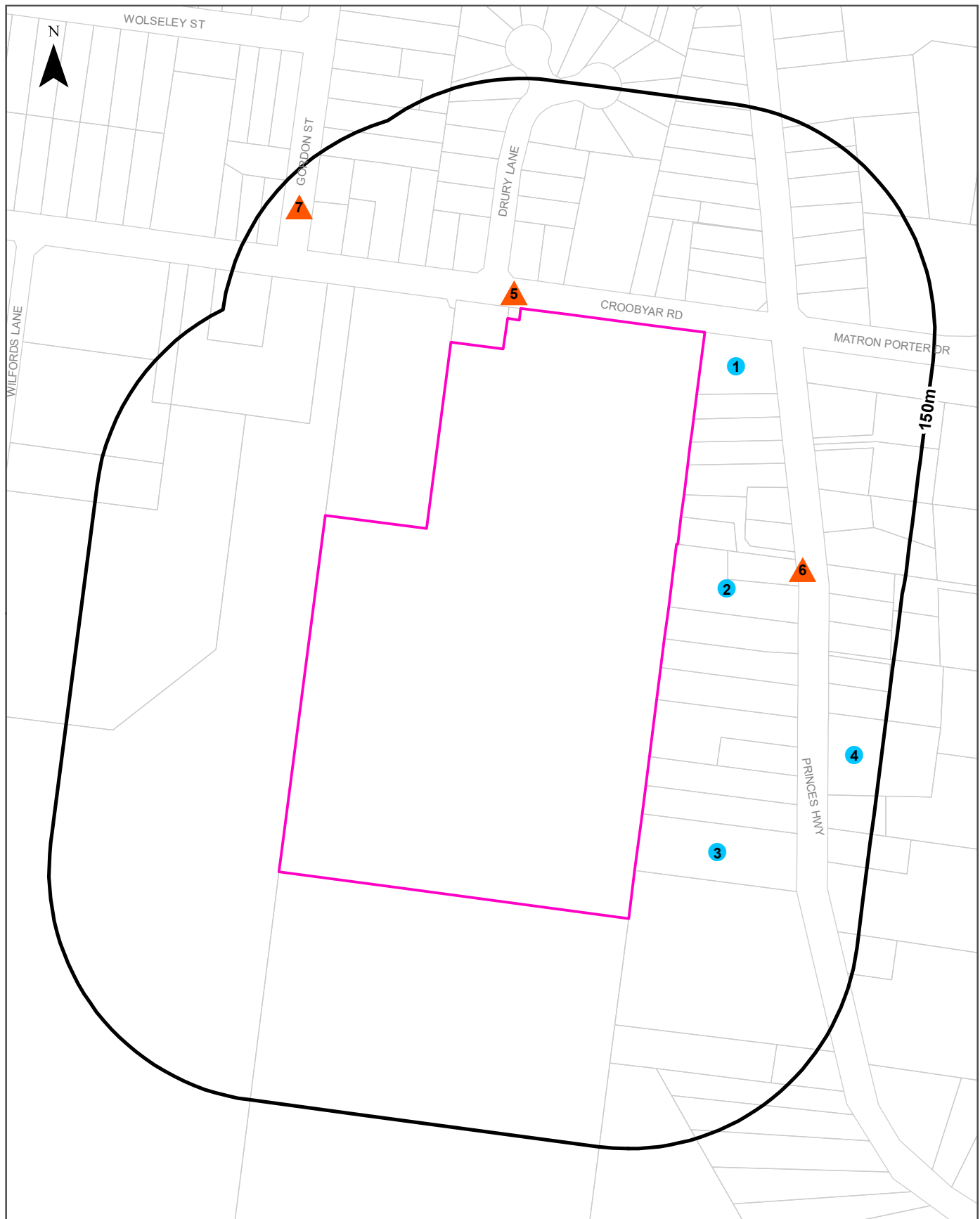
Former Licensed activities under the Protection of the Environment Operations Act 1997, now revoked or surrendered, within the dataset buffer:

Licence No	Organisation	Location	Status	Issued Date	Activity	Loc Conf	Distance	Direction
4653	LUHRMANN ENVIRONMENT MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW	Surrendered	06/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	0m	Onsite
4838	Robert Orchard	Various Waterways throughout New South Wales - SYDNEY NSW 2000	Surrendered	07/09/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	0m	Onsite
6630	SYDNEY WEED & PEST MANAGEMENT PTY LTD	WATERWAYS THROUGHOUT NSW - PROSPECT, NSW, 2148	Surrendered	09/11/2000	Other Activities / Non Scheduled Activity - Application of Herbicides	Network of Features	0m	Onsite

Former Licensed Activities Data Source: Environment Protection Authority
© State of New South Wales through the Environment Protection Authority

Historical Business Directories

17 Croobyar Road, Milton, NSW 2538



Legend <ul style="list-style-type: none"> Site Boundary Buffer 150m Property Boundary ● Business directory records mapped to a specific premise ■ Business directory records mapped to a road intersection ▲ Business directory records mapped to a road corridor Business directory records mapped to a general area 		Scale: 	Coordinate System: GDA 1994 MGA Zone 56 Date: 19 May 2020
Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018			

Historical Business Directories

17 Croobyar Road, Milton, NSW 2538

Business Directory Records 1950-1991 Premise or Road Intersection Matches

Universal Business Directory records from years 1991, 1982, 1970, 1961 & 1950, 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
1	RESTAURANTS	Hackett's Restaurant., 199 Princes Hwy Milton	103633	1991	Premise Match	0m	North East
	NOT LISTED	Hackett's Restaurant, 199 Princes Highway., Milton	136863	1982	Premise Match	0m	North East
	RESTAURANTS	Hacketts Restaurant, 199 Princes Hghwy. Milton	569260	1970	Premise Match	0m	North East
2	BUS OPERATORS.	Lyrebird Coaches., 215 Princes Hwy Milton	99471	1991	Premise Match	0m	East
	NOT LISTED	Lyrebird Coaches, 215 Princes Highway., Milton	136866	1982	Premise Match	0m	East
3	NOT LISTED	Dodd, D. I., Plmbr., 235 Princes Highway., Milton	136860	1982	Premise Match	0m	South East
4	MOTOR OIL SPIRIT & GREASE MFRS. &/OR IMPS. &/OR DIST.	Woods R Pty Ltd., 204 Princes Hwy Milton	104100	1991	Premise Match	112m	East
	NOT LISTED	Ron Woods Hardware Pty. Ltd. Milton, 204 Princes Highway., Milton	136903	1982	Premise Match	112m	East
	NOT LISTED	Woods, R. Pty. Ltd., Hrdwre.Supls., 204 Princes Highway., Milton	136902	1982	Premise Match	112m	East

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Business Directory Records 1950-1991 Road or Area Matches

Universal Business Directory records from years 1991, 1982, 1970, 1961 & 1950, 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
5	CONCRETE - READY MIXED.	Bmg Specified Concrete., Croobyar Rd Milton	99500	1991	Road Match	0m
	NOT LISTED	B.M.G. Specified Concrete, Croobyar Rd., Milton	136851	1982	Road Match	0m
6	CAFES TEA ROOMS &/OR COFFEE LOUNGES	Bow Tie Cafe The., Princes Hwy Milton	99932	1991	Road Match	43m
	MOTOR OIL SPIRIT & GREASE MFRS. &/OR IMPS. &/OR DISTS.	Caltex Depot., Princes Hwy Mlton	104009	1991	Road Match	43m
	INSURANCE COMPANIES-MARINE.	Macaray Pty Ltd., Princes Hwy Milton	100585	1991	Road Match	43m
	NURSERYMEN	Milton Garden Centre., Princes Hwy Milton	104773	1991	Road Match	43m
	GUEST HOUSES.	Milton Guest House., Princes Hwy Milton	99907	1991	Road Match	43m
	MORTAR READY MIXED - SUPPLIES.	Motel Amanda., Princes Hwy Milton	101964	1991	Road Match	43m
	BANKS.	National Australia Bank., Princes Hwy Milton	99661	1991	Road Match	43m
	SUPERMARKETS	Permewans Supermarket., Princes Hwy Milton	105456	1991	Road Match	43m
	POLICE STATIONS.	Police Station., Princes Hwy Milton	104269	1991	Road Match	43m
	TIMBER MERCHANTS &/OR SAWMILLERS.	Romney Park Sawmill., Princes Hwy Milton,	102654	1991	Road Match	43m
	RESTAURANTS	Settling Inn Restaurant., Princes Hwy Milton	103856	1991	Road Match	43m
	MOTOR OIL SPIRIT & GREASE MFRS. &/OR IMPS. &/OR DISTS.	South Coast Petroleum., Lot 1 Princes Hwy Milton	104010	1991	Road Match	43m
	CAMPING GROUNDS &/OR CARAVAN PARKS.	Tandara Caravan Park., Princess Hwy Milton	100312	1991	Road Match	43m
	HAIRDRESSERS-LADIES	Village Hair Shoppe., The Princes Hwy Milton	100440	1991	Road Match	43m
	NOT LISTED	Bank of New South Wales Ltd., Princes Highway., Milton	136852	1982	Road Match	43m
	NOT LISTED	Bow Tie Cafe., Princes Highway., Milton	136854	1982	Road Match	43m
	NOT LISTED	Caltex Depot.Princes Highway., Milton	136855	1982	Road Match	43m
	NOT LISTED	Cockatoo Garden Centre, Princes Highway., Milton	136856	1982	Road Match	43m
	NOT LISTED	Commercial Banking Co. of Sydney Ltd., Princes Highway., Milton	136857	1982	Road Match	43m
	NOT LISTED	Country Leather, Princes Highway., Milton	136859	1982	Road Match	43m
	NOT LISTED	Herbert, Tony Motors Pty. Ltd., Princes Highway., Milton	136865	1982	Road Match	43m
	NOT LISTED	Macaray Pty. Ltd., Insrnce Broker, Princes Highway., Milton	136867	1982	Road Match	43m
	NOT LISTED	Milton & Ulladulla Hospital, Princes Highway., Milton	136882	1982	Road Match	43m
	NOT LISTED	Milton Accupuncture Clinic, Princes Highway., Milton	136870	1982	Road Match	43m
	NOT LISTED	Milton Arts & Crafts.Princes Highway., Milton	136871	1982	Road Match	43m
	NOT LISTED	Milton Fish Shop, Princes Highway., Milton	136874	1982	Road Match	43m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
6	NOT LISTED	Milton Fruit Market, Princes Highway., Milton	136875	1982	Road Match	43m
	NOT LISTED	Milton Furniture Co. Pty. Ltd., Princes Highway., Milton	136876	1982	Road Match	43m
	NOT LISTED	Milton Guest House, Princes Highway., Milton	136878	1982	Road Match	43m
	NOT LISTED	Milton Pharmacy, Princes Highway., Milton	136879	1982	Road Match	43m
	NOT LISTED	Motel Amanda.Princes Highway., Milton	136884	1982	Road Match	43m
	NOT LISTED	Pemewans Supermarket, Princes Highway., Milton	136887	1982	Road Match	43m
	NOT LISTED	Police Station, Princes Highway., Milton	136888	1982	Road Match	43m
	NOT LISTED	Romney Park Sawmill, Princes Highway., Milton	136890	1982	Road Match	43m
	NOT LISTED	Settling Inn Restaurant, Princes Highway., Milton	136893	1982	Road Match	43m
	NOT LISTED	Shoalhaven Shire Council, Princes Highway., Milton	136894	1982	Road Match	43m
	NOT LISTED	Stays Pies, Princes Highway., Milton	136895	1982	Road Match	43m
	NOT LISTED	Tandara Caravan Park, Princess Highway., Milton	136897	1982	Road Match	43m
	BANKS	Bank of N.S.W., Princes Hghwy. Milton	569143	1970	Road Match	43m
	BABY & CHILDREN'S WEAR-RETAIL	Bedfords A1 Store Pty. Ltd., Princes Hghwy. Milton	569138	1970	Road Match	43m
	BOOT & SHOE RETAILERS	Bedfords A1 Store Pty. Ltd., Princes Hghwy. Milton	569147	1970	Road Match	43m
	CARPET & FLOOR COVERINGS-RETAILERS &/OR SPECIALISTS	Bedfords A1 Store Pty. Ltd., Princes Hghwy. Milton	569157	1970	Road Match	43m
	DRAPERS & HABERDASHERS	Bedfords A1 Store Pty. Ltd., Princes Hghwy. Milton	569163	1970	Road Match	43m
	DRESS SHOPS & ACCESSORIES	Bedfords A1 Store Pty. Ltd., Princes Hghwy. Milton	569166	1970	Road Match	43m
	FURNITURE & FURNISHINGS	Bedfords A1 Store Pty. Ltd., Princes Hghwy. Milton	569178	1970	Road Match	43m
	GENERAL MERCHANTS	Bedfords A1 Store Pty. Ltd., Princes Hghwy. Milton	569182	1970	Road Match	43m
	GIFT, NOVELTY & SOUVENIR SHOPS	Bedfords A1 Store Pty. Ltd., Princes Hghwy. Milton	569184	1970	Road Match	43m
	GROCERS & SELF SERVICE STORES	Bedfords A1 Store Pty. Ltd., Princes Hghwy. Milton	569190	1970	Road Match	43m
	OUTFITTERS-LADIES' & CHILDREN'S	Bedfords A1 Store Pty. Ltd., Princes Hghwy. Milton	569243	1970	Road Match	43m
	PRODUCE MERCHANTS- GRAIN & SEED-RETAIL	Bedfords A1 Store Pty. Ltd., Princes Hghwy. Milton	569250	1970	Road Match	43m
	REFRIGERATOR DEALERS & SERVICEMEN	Bedfords A1 Store Pty. Ltd., Princes Hghwy. Milton	569256	1970	Road Match	43m
	SPORTING & TRAVEL GOODS-RETAIL	Bedfords A1 Store Pty. Ltd., Princes Hghwy. Milton	569264	1970	Road Match	43m
	TOY DEALERS-RETAIL	Bedfords A1 Store Pty. Ltd., Princes Hghwy. Milton	569278	1970	Road Match	43m
	HARDWARE & BUILDERS' SUPPLIES	Bedfords A1 Store Pty: Ltd., Princes Hghwy. Milton	569194	1970	Road Match	43m
	ELECTRICAL SUPPLIES & APPLIANCES-RETAIL	Bedfords, A. I., Princes Hghwy. Milton	569168	1970	Road Match	43m
	MEDICAL PRACTITIONERS	Bennett, W. D., Princes Hghwy. Milton	569215	1970	Road Match	43m
	DRESS SHOPS & ACCESSORIES	Blackburn & Son, Princes Hghwy. Milton	569167	1970	Road Match	43m
	GENERAL MERCHANTS	Blackburn & Son, Princes Hghwy. Milton	569183	1970	Road Match	43m
	PAINT, VARNISH, OIL & COLOUR MERCHANTS	Blackburn & Son, Princes Hghwy. Milton	569245	1970	Road Match	43m
	PAINTERS' SUPPLIES & REQUISITES	Blackburn & Son, Princes Hghwy. Milton	569247	1970	Road Match	43m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
6	GENERAL MERCHANTS	Blackburn & Sons Princes Hghwy., Milton, Milton	569181	1970	Road Match	43m
	TOY DEALERS-RETAIL	Blackburn & Sons, Prince's Hghwy. Milton	569279	1970	Road Match	43m
	PRODUCE MERCHANTS- GRAIN & SEED-RETAIL	Blackburn & Sons, Princes Hghwy. Milton	569251	1970	Road Match	43m
	BOOT & SHOE RETAILERS	Blackburn and Sons, Princes Hghwy. Milton	569148	1970	Road Match	43m
	CARPET & FLOOR COVERINGS-RETAILERS &/OR SPECIALISTS	Blackburn and Sons, Princes Hghwy. Milton	569158	1970	Road Match	43m
	DRAPERS & HABERDASHERS	Blackburn and Sons, Princes Hghwy. Milton	569164	1970	Road Match	43m
	ELECTRICAL SUPPLIES & APPLIANCES-RETAIL	Blackburn and Sons, Princes Hghwy. Milton	569169	1970	Road Match	43m
	FURNITURE & FURNISHINGS	Blackburn and Sons, Princes Hghwy. Milton	569179	1970	Road Match	43m
	GROCERS & SELF SERVICE STORES	Blackburn and Sons, Princes Hghwy. Milton	569191	1970	Road Match	43m
	HARDWARE & BUILDERS' SUPPLIES	Blackburn and Sons, Princes Hghwy. Milton	569195	1970	Road Match	43m
	INSURANCE AGENTS	Blackburn and Sons, Princes Hghwy. Milton	569205	1970	Road Match	43m
	MERCERS-MEN'S & BOYS' OUTFITTERS	Blackburn and Sons, Princes Hghwy. Milton	569216	1970	Road Match	43m
	OUTFITTERS-LADIES' & CHILDREN'S	Blackburn and Sons, Princes Hghwy. Milton	569244	1970	Road Match	43m
	REFRIGERATOR DEALERS & SERVICEMEN	Blackburn and Sons, Princes Hghwy. Milton	569257	1970	Road Match	43m
	SPORTING & TRAVEL GOODS-RETAIL	Blackburn and Sons, Princes Hghwy. Milton	569265	1970	Road Match	43m
	MILK VENDORS	Blanch, A., Princes Hghwy. Milton	569220	1970	Road Match	43m
	CAFES, TEA ROOMS & COFFEE LOUNGES	Bow Tie Cafe (The), Princes Hghwy, Milton	569153	1970	Road Match	43m
	ASSOCIATIONS, SOCIETIES, CLUBS & SPORTING BODIES	Building Societies (Mr. Thompson), Princes Hghwy, Milton	569132	1970	Road Match	43m
	MOTOR OIL & SPIRIT DEPOTS	Caltex Depot, Princes Hghwy. Milton	569235	1970	Road Match	43m
	BANKS	Commercial Banking Co. of Sydney, Princes Hghwy. Milton	569144	1970	Road Match	43m
	ENGINEERS-HOT WATER, HEATING & VENTILATING,	Egan, K. J., Princes Hghwy. Milton	569171	1970	Road Match	43m
	LAWN MOWER SALES & SERVICE	Egan, K. J., Princes Hghwy. Milton	569211	1970	Road Match	43m
	REFRIGERATOR DEALERS & SERVICEMEN	Egan, K. J., Princes Hghwy. Milton	569258	1970	Road Match	43m
	CYCLE DEALERS & ACCESSORIES	Electronic Devices, Princes Hghwy. Milton	569160	1970	Road Match	43m
	ELECTRICAL SUPPLIES & APPLIANCES-RETAIL	Electronic Devices, Princes Hghwy. Milton	569170	1970	Road Match	43m
	RADIO, TV SALES, SERVICE &/OR HIRERS	Electronic Devices, Princes Hghwy. Milton	569253	1970	Road Match	43m
	REFRIGERATOR DEALERS & SERVICEMEN	Electronic Devices, Princes Hghwy. Milton	569259	1970	Road Match	43m
	TOY DEALERS-RETAIL	Faust's, Princes Hghwy. Milton	569280	1970	Road Match	43m
	GIFT, NOVELTY & SOUVENIR SHOPS	Findlay, W., Princes Hghwy. Milton	569186	1970	Road Match	43m
	HAIRDRESSERS-GENT'S	Findlay, W., Princes Hghwy. Milton	569193	1970	Road Match	43m
	JEWELLERS & WATCHMAKERS-RETAIL	Findlay, W., Princes Hghwy. Milton	569210	1970	Road Match	43m
	SPORTING & TRAVEL GOODS-RETAIL	Findlay, W., Princes Hghwy. Milton	569266	1970	Road Match	43m
	RADIO, TV SALES, SERVICE &/OR HIRERS	Gatehouse, P. A., Princes Hghwy . Milton	569254	1970	Road Match	43m
TIMBER MERCHANTS & SAWMILLERS	Higgins, F. N., Princes Hghwy. Milton	569275	1970	Road Match	43m	

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
6	TAXI &/OR HIRE CAR SERVICES	Hughes, E. J., Princes Hghwy. Milton	569271	1970	Road Match	43m
	TAXI TRUCK OPERATOR	Hughes, E. J., Princes Hghwy. Milton	569270	1970	Road Match	43m
	MOTOR ACCESSORIES & SPARE PARTS DEALERS	Humphries Garage, Princes Hghwy. Milton	569226	1970	Road Match	43m
	MOTOR CAR & TRUCK DEALERS-NEW & USED	Humphries Garage, Princes Hghwy. Milton	569230	1970	Road Match	43m
	MOTOR SERVICE STATIONS-PETROL, OILS, Etc.	Humphries Garage, Princes Hghwy. Milton	569238	1970	Road Match	43m
	INSURANCE AGENTS	Ingold, P. N., Princes Hghwy. Milton	569206	1970	Road Match	43m
	STOCK, STATION & REAL ESTATE AGENTS	Ingold, P. N., Princes Hghwy. Milton	569267	1970	Road Match	43m
	FRUITERERS & GREENGROCERS	Kendal, L. J., Princes Hghwy. Milton	569173	1970	Road Match	43m
	HARDWARE & BUILDERS' SUPPLIES	Kendall, H. W. & Co., Princes Hghwy. Milton	569196	1970	Road Match	43m
	MOTOR OIL & SPIRIT DEPOTS	Kendall, H. W. & Co., Princes Hghwy. Milton	569236	1970	Road Match	43m
	INSURANCE AGENTS	Kendall, H. W. Pty. Ltd., Princes Hghwy. Milton	569207	1970	Road Match	43m
	PAINT, VARNISH, OIL & COLOUR MERCHANTS	Kendall, H. W. Pty. Ltd., Princes Hghwy. Milton	569246	1970	Road Match	43m
	PLUMBERS' SUPPLIES	Kendall, H. W. Pty. Ltd., Princes Hghwy. Milton	569249	1970	Road Match	43m
	WELDERS-ELECTRIC & OXY	Kendall, H. W. Pty. Ltd., Princes Hghwy. Milton	569283	1970	Road Match	43m
	MILK BARS & CONFECTIONERY SHOPS	Kendall, L. J., Princes Hghwy Milton	569218	1970	Road Match	43m
	TIMBER MERCHANTS & SAWMILLERS	Luggs Timber Co., Princes Hghwy. Milton	569276	1970	Road Match	43m
	MILK VENDORS	McDonald, V. P., Princes Hghwy. Milton	569221	1970	Road Match	43m
	FISH SHOPS	Milton Fish Shop, Princes Hghwy. Milton	569172	1970	Road Match	43m
	FRUIT, VEGETABLE, POTATO & PRODUCE AGENTS & WHOLESALERS	Milton Fruit & Vegetable Market, Princes Hghwy. Milton	569175	1970	Road Match	43m
	FRUITERERS & GREENGROCERS	Milton Fruit and Vegetable Market, Princes Hghwy Milton	569174	1970	Road Match	43m
	HOSPITALS & HEALTH CENTRES	Milton Hospital, Princes Hghwy. Milton	569202	1970	Road Match	43m
	CAFES, TEA ROOMS & COFFEE LOUNGES	Milton Motel & Cafe, Princes Hghwy. Milton	569154	1970	Road Match	43m
	MOTELS	Milton Motel & Cafe, Princes Hghwy. Milton	569223	1970	Road Match	43m
	MOTOR SERVICE STATIONS-PETROL, OILS, Etc.	Milton Motel & Cafe, Princes Hghwy. Milton	569239	1970	Road Match	43m
	HOLIDAY ACCOMMODATION	Milton Motel, Princes Hghwy. Milton	569199	1970	Road Match	43m
	MOTELS	Milton Motel, Princes Hghwy. Milton	569224	1970	Road Match	43m
	PHOTOGRAPHIC SUPPLIES	Milton Pharmacy, Princes Hghwy, Milton	569248	1970	Road Match	43m
	CHEMISTS-PHARMACEUTICAL	Milton Pharmacy, Princes Hghwy. Milton	569159	1970	Road Match	43m
	GIFT, NOVELTY & SOUVENIR SHOPS	Milton Pharmacy, Princes Hghwy. Milton	569187	1970	Road Match	43m
	VETERINARY SUPPLIES & INSTRUMENTS-RETAIL	Milton Pharmacy, Princes Hghwy. Milton	569282	1970	Road Match	43m
	NEWSPAPER PUBLISHERS S. PRINTERS	Milton Times, Princes Hghwy. Milton	569242	1970	Road Match	43m
	MOTELS	Motel Amanda, Princes Hghwy. Milton	569225	1970	Road Match	43m
	REFRACTORY MATERIALS MFRS. &/OR SUPPLIERS	Newbold General Refractories Ltd., Princes Hghwy. Milton	569255	1970	Road Match	43m
MOTOR GARAGES & ENGINEERS	Newman, R. K., Princes Hghwy. Milton	569232	1970	Road Match	43m	

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
6	AGRICULTURAL MACHINERY HIRERS &/OR DEALERS	Oram, C. A., Princes Hghwy. Milton	569130	1970	Road Match	43m
	PRODUCE MERCHANTS- GRAIN & SEED-RETAIL	Oram, C. A., Princes Hghwy. Milton	569252	1970	Road Match	43m
	STOCK, STATION & REAL ESTATE AGENTS	Oram, C. A., Princes Hghwy. Milton	569268	1970	Road Match	43m
	GOVERNMENT DEPARTMENTS	Police Station, Princes Hghwy. Milton	569188	1970	Road Match	43m
	MOTOR ACCESSORIES & SPARE PARTS DEALERS	Redhead Motors (Albert) Pty. Ltd., Princes Hghwy. Milton	569227	1970	Road Match	43m
	MOTOR CAR & TRUCK DEALERS-NEW & USED	Redhead Motors (Albert) Pty. Ltd., Princes Hghwy. Milton	569231	1970	Road Match	43m
	MOTOR GARAGES & ENGINEERS	Redhead Motors (Albert) Pty. Ltd., Princes Hghwy. Milton	569233	1970	Road Match	43m
	MOTOR TOWING SERVICES	Redhead Motors (Albert) Pty. Ltd., Princes Hghwy. Milton	569240	1970	Road Match	43m
	MOTOR BODY BUILDERS &/OR REPAIRERS	Redhead, Albert Motors Pty. Ltd., Princes Hghwy. Milton	569228	1970	Road Match	43m
	MOTOR PAINTERS & PANEL BEATERS	Redhead, Albert Motors Pty. Ltd., Princes Hghwy. Milton	569237	1970	Road Match	43m
	WELDERS-ELECTRIC & OXY	Redhead, Albert Motors Pty. Ltd., Princes Hghwy. Milton	569284	1970	Road Match	43m
	HARDWARE & BUILDERS' SUPPLIES	Romney Park Pty. Ltd., Princes Hghwy. Milton	569197	1970	Road Match	43m
	TIMBER MERCHANTS & SAWMILLERS	Romney Park Sawmill Pty. Ltd., Princes Hghwy. Milton	569277	1970	Road Match	43m
	BUTCHERS-RETAIL	Ryan, L. V. & Banner, W., Princes Hghwy. Milton	569151	1970	Road Match	43m
	SOLICITORS	Shirley, C. F., Princes Hghwy. Milton	569263	1970	Road Match	43m
	LOCAL BODIES	Shoalhaven Shire Council, Princes Hghwy. Milton	569214	1970	Road Match	43m
	CAKE SHOPS &/OR PASTRYCOOKS	Thompson, V. A., Main St. Milton	569155	1970	Road Match	43m
	BAKERS	Thompson, V. A., Princes Hghwy. Milton	569141	1970	Road Match	43m
	BAKERS	Turnbull, H. R., Princes Hghwy. Milton	569142	1970	Road Match	43m
	CAKE SHOPS &/OR PASTRYCOOKS	Turnbull, H. R., Princes Hghwy. Milton	569156	1970	Road Match	43m
	INSURANCE AGENTS	Wallace, J. F. A., Princes Hghwy. Milton	569209	1970	Road Match	43m
	STOCK, STATION & REAL ESTATE AGENTS	Wallace, J. F. A., Princes Hghwy. Milton	569269	1970	Road Match	43m
	MILK BARS & CONFECTIONERY SHOPS	Wards Service Station, Princes Hghwy. Milton	569219	1970	Road Match	43m
	MOTOR GARAGES & ENGINEERS	Wards Service Station, Princes Hghwy. Milton	569234	1970	Road Match	43m
	ENGINEERS-GENERAL, MFRG. & MECHANICAL	Amos, C. M., Princes Highway., Milton	214433	1961	Road Match	43m
	MOTOR GARAGES & ENGINEERS	Amos, C. M., Princes Highway., Milton	214507	1961	Road Match	43m
	HOLIDAY ACCOMMODATION	Atlantic Motel & Cafe, Princes Highway., Milton	214476	1961	Road Match	43m
	MOTOR OIL & SPIRIT DEPOTS	Atlantic Union Oil Co., Princes Highway., Milton	214510	1961	Road Match	43m
	CAFES, TEA ROOMS, COFFEE LOUNGES, Etc.	Australian Cafe (The), Princes Highway., Milton	214401	1961	Road Match	43m
	BANKS	Bank of N.S.W., Princes Highway., Milton	214391	1961	Road Match	43m
	ENGINEERS-GENERAL, MFRG. & MECHANICAL	Bedford A1 Store Pty. Ltd. Princes Highway, Milton,	214436	1961	Road Match	43m
	DRESS FABRICS-RETAIL	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214426	1961	Road Match	43m
	BABY & CHILDREN'S WEAR-RETAIL	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214385	1961	Road Match	43m
	BUILDERS' SUPPLIERS	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214395	1961	Road Match	43m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
6	CARPET & FLOOR COVERINGS-RETAIL SPECIALISTS	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214409	1961	Road Match	43m
	CHINA, CROCKERY, CRYSTAL, EARTHENWARE & GLASSWARE DEALERS	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214414	1961	Road Match	43m
	DRAPERS-RETAIL	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214422	1961	Road Match	43m
	FANCY GOODS & GIFT SHOPS	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214437	1961	Road Match	43m
	FISHING TACKLE MANUFACTURERS &/OR DEALERS	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214442	1961	Road Match	43m
	FOODS-FROZEN-SPECIALISTS	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214444	1961	Road Match	43m
	FOOTWEAR RETAILERS	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214446	1961	Road Match	43m
	FROCK & COAT SALONS	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214449	1961	Road Match	43m
	FURNISHINGS-SOFT-RETAIL	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214455	1961	Road Match	43m
	FURNITURE & FURNISHINGS-RETAIL	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214457	1961	Road Match	43m
	GENERAL MERCHANTS	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214460	1961	Road Match	43m
	GROCERS & GENERAL STOREKEEPERS	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214464	1961	Road Match	43m
	HARDWARE DEALERS & IRONMONGERS	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214468	1961	Road Match	43m
	LINGERIE & HOSIERY SPECIALISTS	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214491	1961	Road Match	43m
	MANCHESTER SPECIALISTS &/OR RETAILERS	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214495	1961	Road Match	43m
	OUTFITTERS-LADIES' & CHILDREN'S	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214514	1961	Road Match	43m
	PRODUCE MERCHANTS- GRAIN & SEED-RETAIL	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214519	1961	Road Match	43m
	REFRIGERATOR DEALERS & SERVICEMEN	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214525	1961	Road Match	43m
	SPORTS & TRAVEL GOODS-RETAILERS	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214533	1961	Road Match	43m
	TOY DEALERS-RETAIL	Bedfords A1 Store Pty. Ltd., Princes Highway., Milton	214549	1961	Road Match	43m
	ELECTRICAL SUPPLIES & APPLIANCES-RETAILERS	Bedfords, A. I., Princes Highway., Milton	214430	1961	Road Match	43m
	TOY DEALERS-RETAIL	Blackburn & Sons, Prince's Highway., Milton	214550	1961	Road Match	43m
	FOODS-FROZEN-SPECIALISTS	Blackburn and Sons, Princes Highway., Milton	214445	1961	Road Match	43m
	FURNITURE & FURNISHINGS-RETAIL	Blackburn and Sons, Princes Highway., Milton	214458	1961	Road Match	43m
	SPORTS & TRAVEL GOODS-RETAILERS	Blackburn and Sons, Princes Highway., Milton	214534	1961	Road Match	43m
	RADIO SALES & SERVICEMEN	Blackburn and Sons, Princes Highway., Milton	214522	1961	Road Match	43m
	BUILDERS' SUPPLIERS	Blackburn and Sons, Princes Highway., Milton	214396	1961	Road Match	43m
	CARPET & FLOOR COVERINGS-RETAIL SPECIALISTS	Blackburn and Sons, Princes Highway., Milton	214410	1961	Road Match	43m
	DRAPERS-RETAIL	Blackburn and Sons, Princes Highway., Milton	214423	1961	Road Match	43m
	DRESS FABRICS-RETAIL	Blackburn and Sons, Princes Highway., Milton	214427	1961	Road Match	43m
	ELECTRICAL SUPPLIES & APPLIANCES-RETAILERS	Blackburn and Sons, Princes Highway., Milton	214431	1961	Road Match	43m
	FOOTWEAR RETAILERS	Blackburn and Sons, Princes Highway., Milton	214447	1961	Road Match	43m

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
6	FURNISHINGS-SOFT-RETAIL	Blackburn and Sons, Princes Highway., Milton	214456	1961	Road Match	43m
	GENERAL MERCHANTS	Blackburn and Sons, Princes Highway., Milton	214461	1961	Road Match	43m
	GROCERS & GENERAL STOREKEEPERS	Blackburn and Sons, Princes Highway., Milton	214465	1961	Road Match	43m
	HARDWARE DEALERS & IRONMONGERS	Blackburn and Sons, Princes Highway., Milton	214469	1961	Road Match	43m
	INSURANCE AGENTS	Blackburn and Sons, Princes Highway., Milton	214484	1961	Road Match	43m
	LINGERIE & HOSIERY SPECIALISTS	Blackburn and Sons, Princes Highway., Milton	214492	1961	Road Match	43m
	MANCHESTER SPECIALISTS &/OR RETAILERS	Blackburn and Sons, Princes Highway., Milton	214496	1961	Road Match	43m
	MERCERS-MEN'S & BOYS' OUTFITTERS	Blackburn and Sons, Princes Highway., Milton	214498	1961	Road Match	43m
	OUTFITTERS-LADIES' & CHILDREN'S	Blackburn and Sons, Princes Highway., Milton	214515	1961	Road Match	43m
	PRODUCE MERCHANTS- GRAIN & SEED-RETAIL	Blackburn and Sons, Princes Highway., Milton	214520	1961	Road Match	43m
	REFRIGERATOR DEALERS & SERVICEMEN	Blackburn and Sons, Princes Highway., Milton	214526	1961	Road Match	43m
	MILK VENDORS	Blanch, A., Princes Highway., Milton	214501	1961	Road Match	43m
	BABY & CHILDREN'S WEAR- RETAIL	Booth, A. E., Princes Highway., Milton	214386	1961	Road Match	43m
	CAFES, TEA ROOMS, COFFEE LOUNGES, Etc.	Bow Tie Cafe (The), Princes Highway., Milton	214402	1961	Road Match	43m
	ASSOCIATIONS & SOCIETIES	Building Societies (Mr. Thompson), Princes Highway., Milton	214381	1961	Road Match	43m
	BUTCHERS-RETAIL	Cabbage Bros., Princes Highway., Milton	214398	1961	Road Match	43m
	BANKS	Commercial Banking Co. of Sydney, Princes Highway., Milton	214392	1961	Road Match	43m
	CAFES, TEA ROOMS, COFFEE LOUNGES, Etc.	Cullen, W. E., Princes Highway., Milton	214403	1961	Road Match	43m
	CYCLE DEALERS & ACCESSORIES	Electronic Devices, Princes Highway, Milton	214420	1961	Road Match	43m
	ELECTRICAL SUPPLIES & APPLIANCES-RETAILERS	Electronic Devices, Princes Highway., Milton	214432	1961	Road Match	43m
	RADIO SALES & SERVICEMEN	Electronic Devices, Princes Highway., Milton	214523	1961	Road Match	43m
	REFRIGERATOR DEALERS & SERVICEMEN	Electronic Devices, Princes Highway., Milton	214527	1961	Road Match	43m
	TOY DEALERS-RETAIL	Faust's, Princes Highway., Milton	214551	1961	Road Match	43m
	HAIRDRESSERS (GENT.'S) & TOBACCONISTS	Findlay, W., Princes Highway., Milton	214467	1961	Road Match	43m
	FANCY GOODS & GIFT SHOPS	Findlay, W., Princes Highway., Milton	214439	1961	Road Match	43m
	FISHING TACKLE MANUFACTURERS &/OR DEALERS	Findlay, W., Princes Highway., Milton	214443	1961	Road Match	43m
	SPORTS & TRAVEL GOODS- RETAILERS	Findlay, W., Princes Highway., Milton	214535	1961	Road Match	43m
	JEWELLERS & WATCHMAKERS-RETAIL	Findlay, W., Princes Highway., Milton	214490	1961	Road Match	43m
	MEDICAL PRACTITIONERS	Fitzhenry, J. S., Princes Highway., Milton	214497	1961	Road Match	43m
	ENGINEERS-GENERAL, MFRG. & MECHANICAL	Gatehouse and Woods, Princes Highway., Milton	214434	1961	Road Match	43m
	INSURANCE AGENTS	Gatehouse and Woods, Princes Highway., Milton	214485	1961	Road Match	43m
	MOTOR CAR & TRUCK DEALERS-NEW & USED	Gatehouse and Woods, Princes Highway., Milton	214506	1961	Road Match	43m
	MOTOR GARAGES & ENGINEERS	Gatehouse and Woods, Princes Highway., Milton	214508	1961	Road Match	43m
BOOT & SHOE REPAIRERS	Hannon, R. W., Princes Highway., Milton	214393	1961	Road Match	43m	

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
6	TIMBER MERCHANTS & SAWMILLERS	Higgins, F. N., Princes Highway., Milton	214546	1961	Road Match	43m
	DRAPERS-RETAIL	Hilder, W. & P., Princes Highway., Milton	214424	1961	Road Match	43m
	OUTFITTERS-LADIES' & CHILDREN'S	Hilder, W. & P., Princes Highway., Milton	214516	1961	Road Match	43m
	HIRE CAR SERVICES	Hughes, E. J., Princes Highway., Milton	214475	1961	Road Match	43m
	TAXI TRUCK OPERATOR	Hughes, E. J., Princes Highway., Milton	214541	1961	Road Match	43m
	TAXIS & HIRE CARS	Hughes, E. J., Princes Highway., Milton	214542	1961	Road Match	43m
	INSURANCE AGENTS	Ingold, P. N., Princes Highway., Milton	214486	1961	Road Match	43m
	STOCK, STATION & REAL ESTATE AGENTS'	Ingold, P. N., Princes Highway., Milton	214536	1961	Road Match	43m
	FRUITERERS & GREENGROCERS	Kendal, L. J., Princes Highway., Milton	214452	1961	Road Match	43m
	AGRICULTURAL MACHINERY DEALERS	Kendall, H. W. and Co., Princes Highway., Milton	214376	1961	Road Match	43m
	HARDWARE DEALERS & IRONMONGERS	Kendall, H. W. and Co., Princes Highway., Milton	214470	1961	Road Match	43m
	HAULAGE CONTRACTORS	Kendall, H. W. and Co., Princes Highway., Milton	214473	1961	Road Match	43m
	INSURANCE AGENTS	Kendall, H. W. and Co., Princes Highway., Milton	214487	1961	Road Match	43m
	MILK, FRUIT JUICE BARS & CONFECTIONERS	Kendall, L. J., Princes Highway., Milton	214500	1961	Road Match	43m
	BUTCHERS-RETAIL	Kneller, J. E., Princes Highway., and Branches, Milton	214399	1961	Road Match	43m
	HAULAGE CONTRACTORS	Mathie, J. W., Princes Highway., Milton	214474	1961	Road Match	43m
	CARRIERS & CARTAGE CONTRACTORS	McDonald, V. P., Princes Highway., Milton	214411	1961	Road Match	43m
	INSURANCE AGENTS	Mellick, C. J., Princes Highway., Milton	214488	1961	Road Match	43m
	BABY & CHILDREN'S WEAR-RETAIL	Mellick, C. J., Princes Highway., Milton	214387	1961	Road Match	43m
	DRAPERS-RETAIL	Mellick, C. J., Princes Highway., Milton	214425	1961	Road Match	43m
	FOOTWEAR RETAILERS	Mellick, C. J., Princes Highway., Milton	214448	1961	Road Match	43m
	FROCK & COAT SALONS	Mellick, C. J., Princes Highway., Milton	214450	1961	Road Match	43m
	MERCERS-MEN'S & BOYS' OUTFITTERS	Mellick, C. J., Princes Highway., Milton	214499	1961	Road Match	43m
	TOY DEALERS-RETAIL	Mellick, C. J., Princes Highway., Milton	214552	1961	Road Match	43m
	DRY CLEANERS, PRESSERS & DYERS	Milton Dry Cleaners, Princes Highway., Milton	214429	1961	Road Match	43m
	FISH MERCHANTS-RETAIL	Milton Fish Shop, Princes Highway., Milton	214441	1961	Road Match	43m
	FRUIT & VEGETABLE MERCHANTS-WHOLESALE	Milton Fruit and Vegetable Market, Princes Highway, Milton	214451	1961	Road Match	43m
	FRUITERERS & GREENGROCERS	Milton Fruit and Vegetable Market, Princes Highway., Milton	214453	1961	Road Match	43m
	HOSPITALS & HEALTH CENTRES	Milton Hospital, Princes Highway., Milton	214480	1961	Road Match	43m
	CAFES, TEA ROOMS, COFFEE LOUNGES, Etc.	Milton Motel & Cafe, Princes Highway., Milton	214404	1961	Road Match	43m
	MOTELS	Milton Motel & Cafe, Princes Highway., Milton	214504	1961	Road Match	43m
	MOTOR GARAGES & ENGINEERS	Milton Motel & Cafe, Princes Highway., Milton	214509	1961	Road Match	43m
	MOTOR SERVICE STATION-PETROL, OIL, ETC.	Milton Motel & Cafe, Princes Highway., Milton	214511	1961	Road Match	43m
CHEMISTS-PHARMACEUTICAL	Milton Pharmacy, Princes Highway., Milton	214413	1961	Road Match	43m	
FANCY GOODS & GIFT SHOPS	Milton Pharmacy, Princes Highway., Milton	214440	1961	Road Match	43m	

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
6	PHOTOGRAPHIC SUPPLIES	Milton Pharmacy, Princes Highway., Milton	214517	1961	Road Match	43m
	VETERINARY SUPPLIES & INSTRUMENTS-RETAIL	Milton Pharmacy, Princes Highway., Milton	214553	1961	Road Match	43m
	CLUBS & SPORTS BODIES	Milton Tennis Club, Princes Highway., Milton	214418	1961	Road Match	43m
	PICTURE THEATRES	Milton Theatre, Princes Highway., Milton	214518	1961	Road Match	43m
	NEWSPAPER PUBLISHERS & PRINTERS	Milton Times, Princes Highway., Milton	214513	1961	Road Match	43m
	CARRIERS & CARTAGE CONTRACTORS	Montgomery, A. R., Princes Highway., Milton	214412	1961	Road Match	43m
	ELECTRICIAN	N. & P. Hilder Princes Highway Milton & Ulladulla, Nowra - Bomaderry	218010	1961	Road Match	43m
	REFRACTORY MATERIAL SUPPLIERS	Newbold General Refractories Ltd., Princes Highway., Milton	214524	1961	Road Match	43m
	PRODUCE MERCHANTS- GRAIN & SEED-RETAIL	Oram, C. A., Princes Highway., Milton	214521	1961	Road Match	43m
	AGRICULTURAL MACHINERY DEALERS	Oram, C. A., Princes Highway., Milton	214377	1961	Road Match	43m
	STOCK, STATION & REAL ESTATE AGENTS'	Oram, C. A., Princes Highway., Milton	214537	1961	Road Match	43m
	STOCK, STATION & REAL ESTATE AGENTS'	Petty and Mathie, Princes Highway., Milton	214538	1961	Road Match	43m
	GOVERNMENT DEPARTMENTS	Police Station, Princes Highway., Milton	214462	1961	Road Match	43m
	CAFES, TEA ROOMS, COFFEE LOUNGES, Etc.	Regal Cafe, Princes Highway., Milton	214405	1961	Road Match	43m
	BUILDERS' SUPPLIERS	Romney Timber Pty. Ltd., Princes Highway., Milton	214397	1961	Road Match	43m
	TIMBER MERCHANTS & SAWMILLERS	Romney Timber Pty. Ltd., Princes Highway., Milton	214548	1961	Road Match	43m
	BUTCHERS-RETAIL	Ryan & Banner, Princes Highway., Milton	214400	1961	Road Match	43m
	CAKE SHOPS &/OR PASTRYCOOKS	Ryan And Banner Princes Highway, Milton, Milton	214408	1961	Road Match	43m
	SOLICITORS	Shirley, C. F., Princes Highway., Milton	214532	1961	Road Match	43m
	LOCAL BODIES	Shoalhaven Shire Council, Princes Highway., Milton	214494	1961	Road Match	43m
	CAKE SHOPS &/OR PASTRYCOOKS	Thompson, V. A., Main St., Milton	214406	1961	Road Match	43m
	BAKERS-BREAD	Thompson, V. A., Princes Highway., Milton	214389	1961	Road Match	43m
	BAKERS-BREAD	Turnbull, H. R., Princes Highway., Milton	214390	1961	Road Match	43m
	CAKE SHOPS &/OR PASTRYCOOKS	Turnbull, H. R., Princes Highway., Milton	214407	1961	Road Match	43m
	AGRICULTURAL MACHINERY DEALERS	Wallace, J. F. A., Princes Highway., Milton	214378	1961	Road Match	43m
	INSURANCE AGENTS	Wallace, J. F. A., Princes Highway., Milton	214489	1961	Road Match	43m
	STOCK, STATION & REAL ESTATE AGENTS'	Wallace, J. F. A., Princes Highway., Milton	214539	1961	Road Match	43m
	MOTOR CAR & TRUCK DEALERS	Amos, C. M. (Agent, Packard, Hudson, Renault), Princes Highway. Milton	129040	1950	Road Match	43m
	BATTERY SERVICE STATIONS	Amos, C. M., Princes Highway. Milton	128935	1950	Road Match	43m
	ENGINEERS-GENERAL &/OR MANUFACTURING &/OR MECHANICAL	Amos, C. M., Princes Highway. Milton	128978	1950	Road Match	43m
	MOTOR ACCESSORIES DEALERS	Amos, C. M., Princes Highway. Milton	129037	1950	Road Match	43m
	MOTOR ELECTRICIANS	Amos, C. M., Princes Highway. Milton	129042	1950	Road Match	43m
MOTOR GARAGES & ENGINEERS	Amos, C. M., Princes Highway. Milton	129043	1950	Road Match	43m	
TYRE DEALERS	Amos, C. M., Princes Highway. Milton	130264	1950	Road Match	43m	

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
6	BOOKSELLERS & STATIONERS	Ashley, C. W., Princes Highway. Milton	128939	1950	Road Match	43m
	DRAPERS-RETAIL	Ashley, C. W., Princes Highway. Milton	128969	1950	Road Match	43m
	FANCY GOODS-RETAIL	Ashley, C. W., Princes Highway. Milton	128979	1950	Road Match	43m
	FROCK SALONS	Ashley, C. W., Princes Highway. Milton	128987	1950	Road Match	43m
	MERCERS, MEN'S & BOYS' OUTFITTERS	Ashley, C. W., Princes Highway. Milton	129025	1950	Road Match	43m
	BABIES' & CHILDREN'S WEAR-RETAIL	Ashley, C. W., Princes Milton	128930	1950	Road Match	43m
	CAFES, TEA ROOMS, Etc.	Austin, C. S., Princes Highway. Milton	128950	1950	Road Match	43m
	FRUITERERS & GREENGROCERS	Austin, C. S., Princes Highway. Milton	128989	1950	Road Match	43m
	MILK BARS &/OR CONFECTIONERS	Austin, C. S., Princes Highway. Milton	129029	1950	Road Match	43m
	INSURANCE AGENTS	Austin's Café Prince's Highway Milton	129010	1950	Road Match	43m
	DRAPERS-RETAIL	Backburn and Sons, Princes Highway. Milton	128971	1950	Road Match	43m
	BOOKSELLERS & STATIONERS	Bedfolds AI Store Pty. Ltd., Princes Highway. Milton	128940	1950	Road Match	43m
	BABIES' & CHILDREN'S WEAR-RETAIL	Bedford: AI Store Pty. Ltd., Princes Highway. Milton	128931	1950	Road Match	43m
	FISHING TACKLE DEALERS	Bedfords AI Store Pty Ltd., Princes Highway. Milton	128983	1950	Road Match	43m
	PAINT & VARNISH MERCHANTS	Bedfords AI Store Pty. Ltd. (Agents, Taylor' and Taubmans Paints), Princes Highway. Milton	130237	1950	Road Match	43m
	BUILDERS' SUPPLIES	Bedfords AI Store Pty. Ltd., Princes Highway. Milton	128946	1950	Road Match	43m
	DEPARTMENTS STORES	Bedfords AI Store Pty. Ltd., Princes Highway. Milton	128968	1950	Road Match	43m
	DRAPERS-RETAIL	Bedfords AI Store Pty. Ltd., Princes Highway. Milton	128970	1950	Road Match	43m
	DRESS FABRICS-RETAIL	Bedfords AI Store Pty. Ltd., Princes Highway. Milton	128973	1950	Road Match	43m
	FOOTWEAR RETAILERS	Bedfords AI Store Pty. Ltd., Princes Highway. Milton	128985	1950	Road Match	43m
	FROCK SALONS	Bedfords AI Store Pty. Ltd., Princes Highway. Milton	128988	1950	Road Match	43m
	FURNITURE & FURNISHINGS	Bedfords AI Store Pty. Ltd., Princes Highway. Milton	128992	1950	Road Match	43m
	GROCERS & GENERAL STOREKEEPERS	Bedfords AI Store Pty. Ltd., Princes Highway. Milton	128998	1950	Road Match	43m
	HARDWARE DEALERS & IRONMONGERS	Bedfords AI Store Pty. Ltd., Princes Highway. Milton	129003	1950	Road Match	43m
	MERCERS, MEN'S & BOYS' OUTFITTERS	Bedfords AI Store Pty. Ltd., Princes Highway. Milton	129026	1950	Road Match	43m
	MILLINERY-RETAIL	Bedfords AI Store Pty. Ltd., Princes Highway. Milton	129036	1950	Road Match	43m
	PRODUCE MERCHANTS-RETAIL	Bedfords AI Store Pty. Ltd., Princes Highway. Milton	130240	1950	Road Match	43m
	SEEDSMEN & NURSERYMEN	Bedfords AI Store Pty. Ltd., Princes Highway. Milton	130249	1950	Road Match	43m
	SPORTS GOODS RETAILERS	Bedfords AI Store Pty. Ltd., Princes Highway. Milton	130251	1950	Road Match	43m
	TOY DEALERS-RETAIL	Bedfords AI Store Pty. Ltd., Princes Highway. Milton	130261	1950	Road Match	43m
	TAXATION SPECIALISTS	Bennet, R. D. J., Princes Highway. Milton	130255	1950	Road Match	43m
	INSURANCE AGENTS	Blackburn and Sons (Agents, Victoria Fire Insrnce.), Princes Highway. Milton	129016	1950	Road Match	43m
	HAIRDRESSERS &/OR TOBACCONISTS	Blackburn and Sons (Agents, Wills (Aust.) Pty. Ltd.), Princes Highway. Milton	129001	1950	Road Match	43m
BUILDERS' SUPPLIES	Blackburn and Sons, Princes Highway. Milton	128947	1950	Road Match	43m	

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
6	GROCERS & GENERAL STOREKEEPERS	Blackburn and Sons, Princes Highway. Milton	128999	1950	Road Match	43m
	HARDWARE DEALERS & IRONMONGERS	Blackburn and Sons, Princes Highway. Milton	129004	1950	Road Match	43m
	MERCERS, MEN'S & BOYS' OUTFITTERS	Blackburn and Sons, Princes Highway. Milton	129027	1950	Road Match	43m
	PAINT & VARNISH MERCHANTS	Blackburn and Sons, Princes Highway. Milton	130238	1950	Road Match	43m
	RADIO DEALERS &/OR SERVICEMEN	Blackburn and Sons, Princes Highway. Milton	130242	1950	Road Match	43m
	MILK VENDORS	Blanch, A., Princes Hghssol. Milton	129033	1950	Road Match	43m
	MOTOR OIL & SPIRIT MERCHANTS	Bunt, A. D. (Shell Agent), Princes Highway. Milton	129046	1950	Road Match	43m
	CARRIERS & CARTAGE CONTRACTORS	Bunt, A. O., Princes Highway. Milton	128954	1950	Road Match	43m
	CAFES, TEA ROOMS, Etc.	Calligos, A., Princes Highway. Milton	128951	1950	Road Match	43m
	MILK BARS &/OR CONFECTIONERS	Calligos, A., Princes Highway. Milton	129030	1950	Road Match	43m
	BANKS	Commercial Banking Co. of Sydney, Princes Highway Milton	128934	1950	Road Match	43m
	TAXIS &/OR HIRE CARS	Crich, E., Princes Highway. Milton	130256	1950	Road Match	43m
	INSURANCE AGENTS	Croker Bros. Princes Highway, Milton	129014	1950	Road Match	43m
	HAULAGE CONTRACTORS	Croker Bros., Princes Highway. Milton	129005	1950	Road Match	43m
	BUTCHERS-RETAIL	Croker, F. S., Princes Highway. Milton	128949	1950	Road Match	43m
	SKIN & HIDE DEALERS	Croker, F. S., Princes Highway. Milton	130250	1950	Road Match	43m
	WOOL MERCHANTS	Croker, F. S., Princes Highway. Milton	130270	1950	Road Match	43m
	RADIO DEALERS &/OR SERVICEMEN	Egan, K. Princes Highway. Milton	130241	1950	Road Match	43m
	ELECTRICAL APPLIANCES-RETAIL	Egan, K., Princes Highway. Milton	128976	1950	Road Match	43m
	DRY CLEANERS, DYERS & PRESSERS	Egan, K., Princes Highway. Milton	128974	1950	Road Match	43m
	RADIO DEALERS &/OR SERVICEMEN	Egan, K., Princes Highway. Milton	130243	1950	Road Match	43m
	REFRIGERATOR DEALERS &/OR SERVICEMEM	Egan, K., Princes Highway. Milton	130245	1950	Road Match	43m
	CHINA, CROCKERY, CRYSTAL & EARTHENWARE DEALERS	Faust's, Princes Highway, Milton	128959	1950	Road Match	43m
	LIBRARIES	Faust's, Princes Highway, Milton	129021	1950	Road Match	43m
	BOOKSELLERS & STATIONERS	Faust's, Princes Highway. Milton	128941	1950	Road Match	43m
	FANCY GOODS-RETAIL	Faust's, Princes Highway. Milton	128980	1950	Road Match	43m
	GIFT SHOPS	Faust's, Princes Highway. Milton	128993	1950	Road Match	43m
	NEWSAGENTS	Faust's, Princes Highway. Milton	130235	1950	Road Match	43m
	TOY DEALERS-RETAIL	Faust's, Princes Highway. Milton	130262	1950	Road Match	43m
	FISHING TACKLE DEALERS	Findlay, W. Princes Highway. Milton	128984	1950	Road Match	43m
	BILLIARD SALOONS	Findlay, W., Princes Highway. Milton	128937	1950	Road Match	43m
	FANCY GOODS-RETAIL	Findlay, W., Princes Highway. Milton	128981	1950	Road Match	43m
	GIFT SHOPS	Findlay, W., Princes Highway. Milton	128994	1950	Road Match	43m
	HAIRDRESSERS &/OR TOBACCONISTS	Findlay, W., Princes Highway. Milton	129002	1950	Road Match	43m
	SPORTS GOODS RETAILERS	Findlay, W., Princes Highway. Milton	130252	1950	Road Match	43m

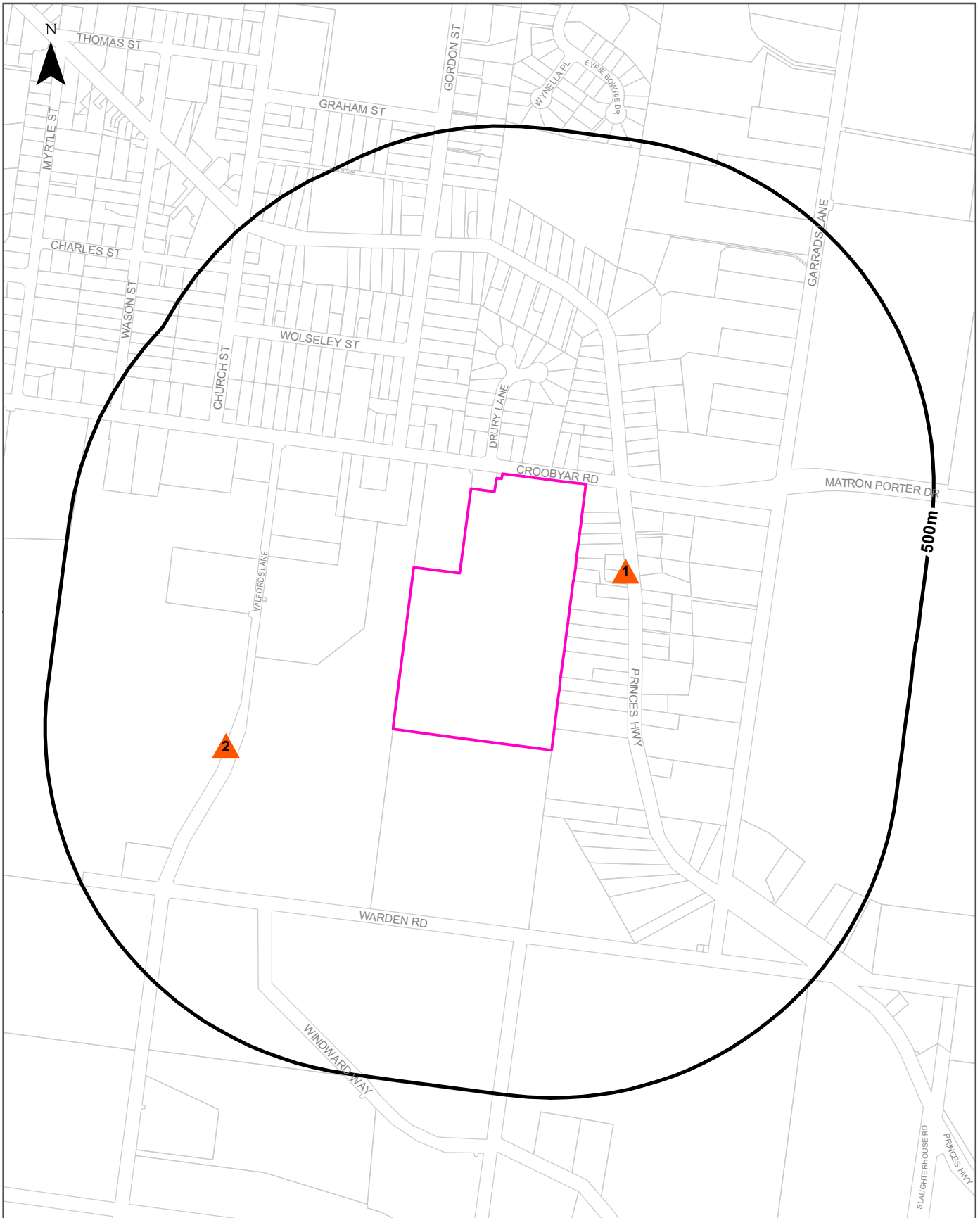
Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
6	BATTERY SERVICE STATIONS	Gatehouse and Woods, Princes Highway. Milton	128936	1950	Road Match	43m
	TYRE DEALERS	Gatehouse and Woods, Princes Highway. Milton	130265	1950	Road Match	43m
	INSURANCE AGENTS	H. Linsley Prince's Highway, Milton	129013	1950	Road Match	43m
	INSURANCE AGENTS	H. O. Bunt Prince's Highway, Milton	129012	1950	Road Match	43m
	BOOT & SHOE REPAIRERS	Hannon, R. W., Princes Highway. Milton	128942	1950	Road Match	43m
	MAIL CONTRACTORS	Hughes' E. J. Princes Highway. Milton	129023	1950	Road Match	43m
	CARRIERS & CARTAGE CONTRACTORS	Hughes, E. J., Princes Highway. Milton	128955	1950	Road Match	43m
	TAXIS &/OR HIRE CARS	Hughes, E. J., Princes Highway. Milton	130257	1950	Road Match	43m
	SAWMILL PROPRIETORS	Imperial Saw Mill, Princes Highway. Milton	130247	1950	Road Match	43m
	TIMBER MERCHANTS	Imperial Saw Mill, Princes Highway. Milton	130259	1950	Road Match	43m
	AUCTIONEERS	Ingold, P. N., Princes Highway. Milton	128928	1950	Road Match	43m
	INSURANCE AGENTS	Ingold, P. N. (British Traders Insrnce.), Princes Highway. Milton	129017	1950	Road Match	43m
	STOCK & STATION & REAL ESTATE AGENTS	Ingold, P. N. Princes Highway. Wallace, J. F. A., Princes Highway. Milton	130253	1950	Road Match	43m
	MEDICAL PRACTITIONERS	Jamieson, Dr. J. I. M., Princes Highway. Milton	129024	1950	Road Match	43m
	CAFES, TEA ROOMS, Etc.	Johnny's Cafe, Princes Highway. Milton	128952	1950	Road Match	43m
	FRUITERERS & GREENGROCERS	Johnny's Cafe, Princes Highway. Milton	128990	1950	Road Match	43m
	MILK BARS &/OR CONFECTIONERS	Johnny's Cafe, Princes Highway. Milton	129031	1950	Road Match	43m
	CARRIERS & CARTAGE CONTRACTORS	Kendall and McDonald, Princes Highway, Milton	128956	1950	Road Match	43m
	MOTOR OIL & SPIRIT MERCHANTS	Kendall, H. W. (Agent, Atlantic Union Oil Co.), Princes Highway. Milton	129047	1950	Road Match	43m
	INSURANCE AGENTS	Kendall, H. W. (Agent, Prudential Mutual Insrnce. Co.), Princes Highway. Milton	129018	1950	Road Match	43m
	CONTRACTORS-GENERAL	Linsey, H., Princes Highway. Milton	128967	1950	Road Match	43m
	CARRIERS & CARTAGE CONTRACTORS	McDonald, V. P., Princes Highway. Milton	128957	1950	Road Match	43m
	GIFT SHOPS	Meller, G. H., Princes Highway. Milton	128995	1950	Road Match	43m
	FOOTWEAR RETAILERS	Mellick M C., Princes Highway, Milton	128986	1950	Road Match	43m
	DRAPERS-RETAIL	Mellick, M. C., Princes Highway. Milton	128972	1950	Road Match	43m
	MERCERS, MEN'S & BOYS' OUTFITTERS	Mellick, M. C., Princes Highway. Milton	129028	1950	Road Match	43m
	TOY DEALERS-RETAIL	Mellick, M. C., Princes Highway. Milton	130263	1950	Road Match	43m
	CHEMISTS	Metter G. H., Princes Highway. Milton	128960	1950	Road Match	43m
	HOSPITALS	Milton Hospital, Princes Highway. Milton	129006	1950	Road Match	43m
	NEWSPAPERS	Milton Times, Princes Highway. Milton	130236	1950	Road Match	43m
	INSURANCE AGENTS	Miltons Mulling Co. Princes Highway, Milton	129015	1950	Road Match	43m
	MOTOR CAR & TRUCK DEALERS	Mulhall, A. G. (Agent, Austin), Princes Highway. Milton	129041	1950	Road Match	43m
	INSURANCE AGENTS	Mulhall, A. G. (Agent, Transport and General Insrnce. Co.), Princes Highway. Milton	129019	1950	Road Match	43m
MOTOR ACCESSORIES DEALERS	Mulhall, A. G., Princes Highway. Milton	129039	1950	Road Match	43m	
MOTOR GARAGES & ENGINEERS	Mulhall, A. G., Princes Highway. Milton	129045	1950	Road Match	43m	

Map Id	Business Activity	Premise	Ref No.	Year	Location Confidence	Distance to Road Corridor or Area
6	WELDERS OXY & ELECTRIC	Mulhall, A. G., Princes Highway. Milton	130268	1950	Road Match	43m
	REFRACTORIES	Newbold General Refractories Ltd., Princes Hghwy. Milton	130244	1950	Road Match	43m
	MOTOR OIL & SPIRIT MERCHANTS	Pembroke, W. H. (Agent, Shell Co. of Australia Ltd.), Princes Highway. Milton	129048	1950	Road Match	43m
	GOVERNMENT DEPARTMENTS	Police Station, Princes Highway. Milton	128996	1950	Road Match	43m
	FANCY GOODS-RETAIL	Porter, E., Princes Highway. Milton	128982	1950	Road Match	43m
	GOVERNMENT DEPARTMENTS	Post Office Milton	128997	1950	Road Match	43m
	SADDLERS	Riley, E. H. Main St. Milton	130246	1950	Road Match	43m
	BUILDERS & BUILDING CONTRACTORS	Steel, J. N., Princes Highway. Milton	128945	1950	Road Match	43m
	CAKE SHOPS &/OR PASTRYCOOKS	Thompson, V. A., Man St. Milton	128953	1950	Road Match	43m
	BAKERS-BREAD	Thompson, V. A., Princes Highway. Milton	128932	1950	Road Match	43m
	BAKERS-BREAD	Turnbull, H. R., Princes Highway. Milton	128933	1950	Road Match	43m
	LOCAL BODIES	Ulladulla Council, Princes Highway. Milton	129022	1950	Road Match	43m
	AGRICULTURAL MACHINERY DEALERS	Walace, J. F. A. (Agtnt, H. V. IVI.Kay, Massey Harris), Princes Highway Milton	128921	1950	Road Match	43m
	ELECTRICAL CONTRACTORS & ELECTRICIANS	Walker, Mark, Princes Highway Milton	128977	1950	Road Match	43m
	INSURANCE AGENTS	Wallace, J. F. A. (Agent, Liverpool, London and Globe Insrnce. Co.), Princes Highway, Milton	129020	1950	Road Match	43m
	AUCTIONEERS	Wallace, J. F. A., Princes Highway. Milton	128929	1950	Road Match	43m
	BUSINESS AGENTS	Wallace, J. F. A., Princes Highway. Milton	128948	1950	Road Match	43m
	FRUITERERS & GREENGROCERS	Willson, H., Princes Highway. Milton	128991	1950	Road Match	43m
	MILK BARS &/OR CONFECTIONERS	Willson, H., Princes Highway. Milton	129032	1950	Road Match	43m
	BOOT & SHOE REPAIRERS	Wilson, G., Princes Highway. Milton	128943	1950	Road Match	43m
7	HAULAGE CONTRACTORS	Gumley, L. A., Gordon St. Milton	569198	1970	Road Match	111m
	TIMBER HAULIERS	Gumley, L. A., Gordon St. Milton	569274	1970	Road Match	111m
	HAULAGE CONTRACTORS	Gourley, L. O., Gordon St., Milton	214472	1961	Road Match	111m
	TIMBER HAULIERS	Gumley, L. O., Gordon St., Milton	214545	1961	Road Match	111m
	PLUMBERS & DRAINLAYCRS	Higgins, M. J., Gordon St. Milton	130239	1950	Road Match	111m
	TANK MAKERS	Higgins, M. J., Gordon St. Milton	130254	1950	Road Match	111m
	WINDMILL DEALERS	Higgins, M. J., Gordon St. Milton	130269	1950	Road Match	111m

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Dry Cleaners, Motor Garages & Service Stations

17 Croobyar Road, Milton, NSW 2538



Legend <ul style="list-style-type: none"> Site Boundary Buffer 500m Property Boundary ● Business directory records mapped to a specific premise ■ Business directory records mapped to a road intersection ▲ Business directory records mapped to a road corridor Business directory records mapped to a general area 		Scale: 	Coordinate System: GDA 1994 MGA Zone 56 Date: 18 May 2020
Data Sources: Reproduced with permission of UBD and Hardie Grant Media Pty Ltd DD 01/08/2018 Property Boundaries © NSW Department Finance, Services & Innovation 2020			

Historical Business Directories

17 Croobyar Road, Milton, NSW 2538

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

Dry Cleaners, Motor Garages & Service Stations from 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
	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, 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
1	MOTOR SERVICE STATIONS-PETROL, OILS, Etc.	Humphries Garage, Princes Hghwy. Milton	569238	1970	Road Match	43m
	MOTOR SERVICE STATIONS-PETROL, OILS, Etc.	Milton Motel & Cafe, Princes Hghwy. Milton	569239	1970	Road Match	43m
	MOTOR GARAGES & ENGINEERS	Newman, R. K., Princes Hghwy. Milton	569232	1970	Road Match	43m
	MOTOR GARAGES & ENGINEERS	Redhead Motors (Albert) Pty. Ltd., Princes Hghwy. Milton	569233	1970	Road Match	43m
	MOTOR GARAGES & ENGINEERS	Wards Service Station, Princes Hghwy. Milton	569234	1970	Road Match	43m
	MOTOR GARAGES & ENGINEERS	Amos, C. M., Princes Highway., Milton	214507	1961	Road Match	43m
	MOTOR GARAGES & ENGINEERS	Gatehouse and Woods, Princes Highway., Milton	214508	1961	Road Match	43m
	DRY CLEANERS, PRESSERS & DYERS	Milton Dry Cleaners, Princes Highway., Milton	214429	1961	Road Match	43m
	MOTOR GARAGES & ENGINEERS	Milton Motel & Cafe, Princes Highway., Milton	214509	1961	Road Match	43m
	MOTOR SERVICE STATION-PETROL, OIL, ETC.	Milton Motel & Cafe, Princes Highway., Milton	214511	1961	Road Match	43m
	MOTOR GARAGES & ENGINEERS	Amos, C. M., Princes Highway. Milton	129043	1950	Road Match	43m
	DRY CLEANERS, DYERS & PRESSERS	Egan, K., Princes Highway. Milton	128974	1950	Road Match	43m
	MOTOR GARAGES & ENGINEERS	Mulhall, A. G., Princes Highway. Milton	129045	1950	Road Match	43m
2	MOTOR SERVICE STATIONS-PETROL, OILS, Etc.	Specified Concrete Pty. Ltd. Wilford Lane, Milton Sussex Inlet	570292	1970	Road Match	209m

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Aerial Imagery 2020

17 Croobyar Road, Milton, NSW 2538



Aerial Imagery 2015

17 Croobyar Road, Milton, NSW 2538



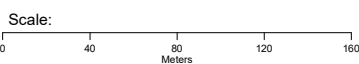
Aerial Imagery 2009

17 Croobyar Road, Milton, NSW 2538



Legend

- Site Boundary
- Buffer 150m



Data Source Aerial Imagery: © 2020 Google Inc, used with permission. Google and the Google logo are registered trademarks of Google Inc.

Coordinate System:
GDA 1994 MGA Zone 56

Date: 14 May 2020

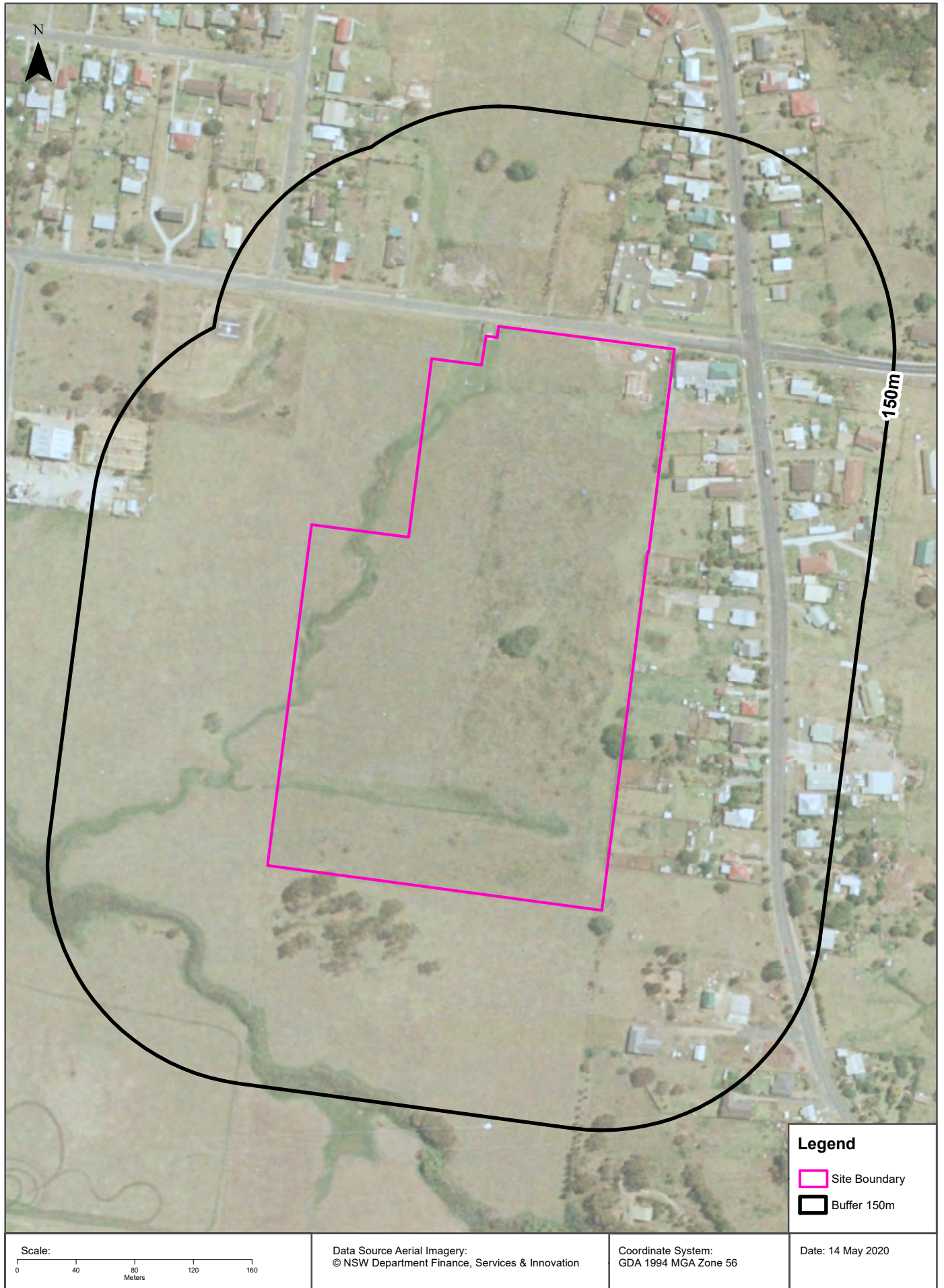
Aerial Imagery 2003

17 Croobyar Road, Milton, NSW 2538



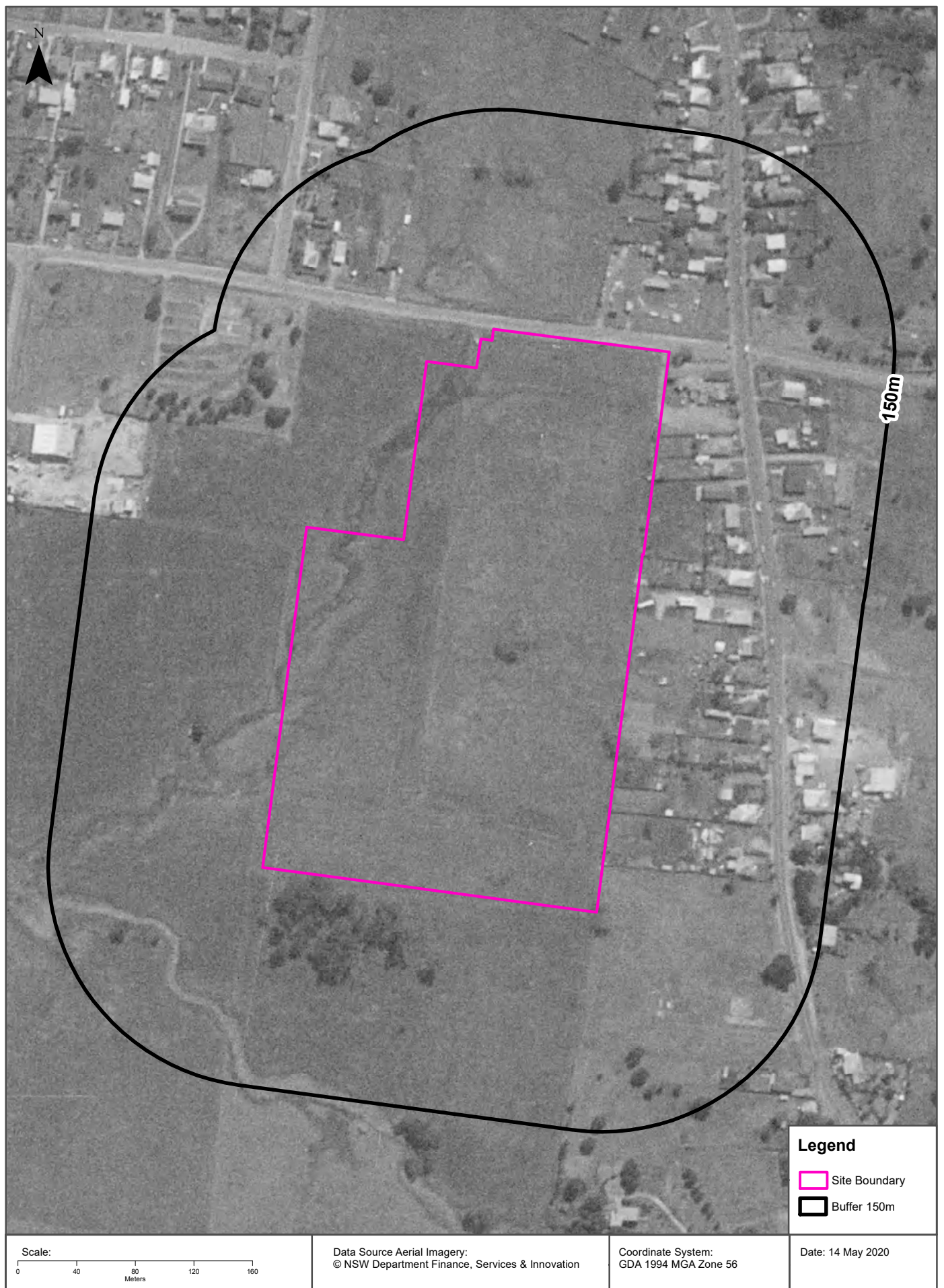
Aerial Imagery 1991

17 Croobyar Road, Milton, NSW 2538



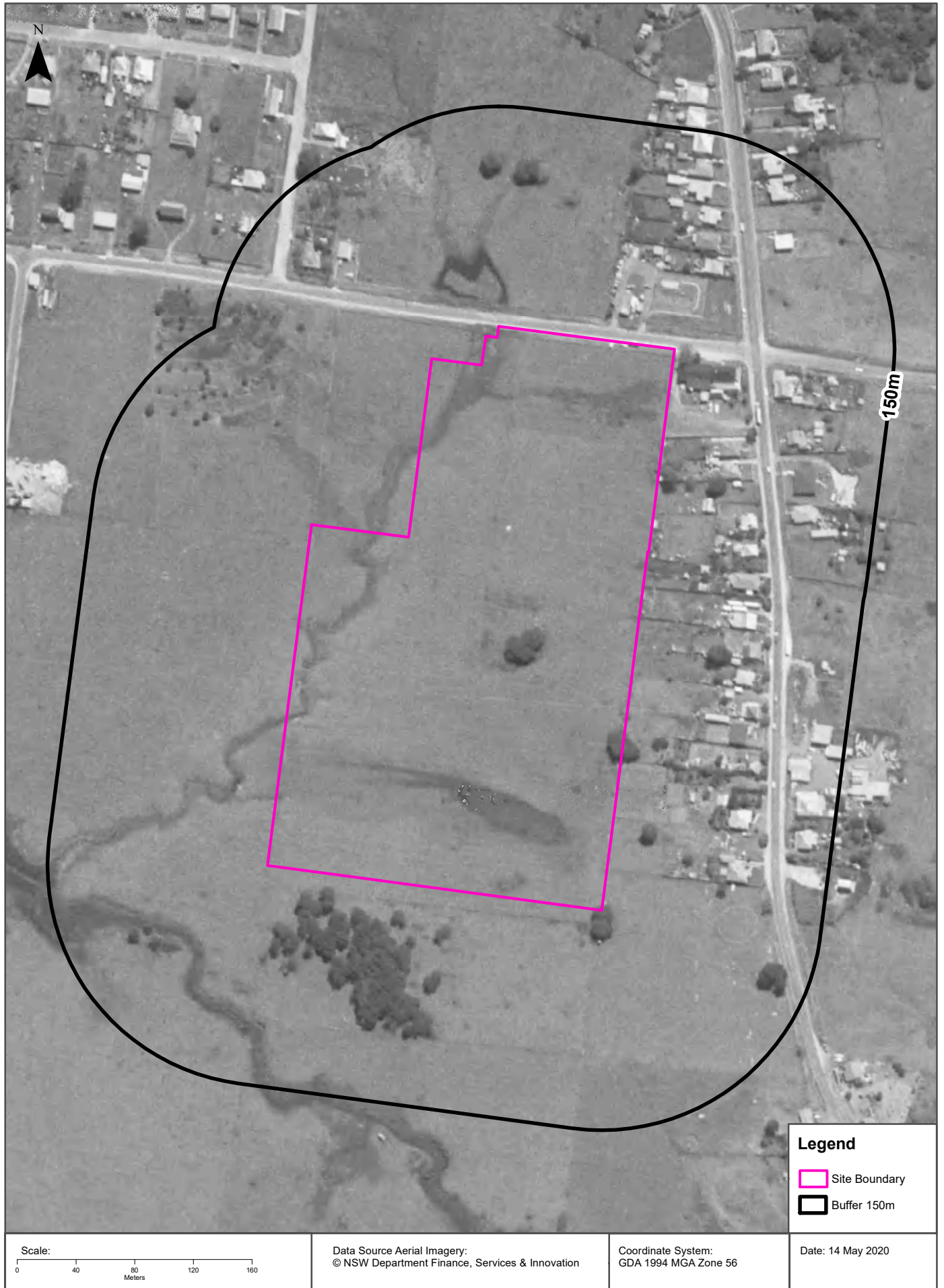
Aerial Imagery 1987

17 Croobyar Road, Milton, NSW 2538



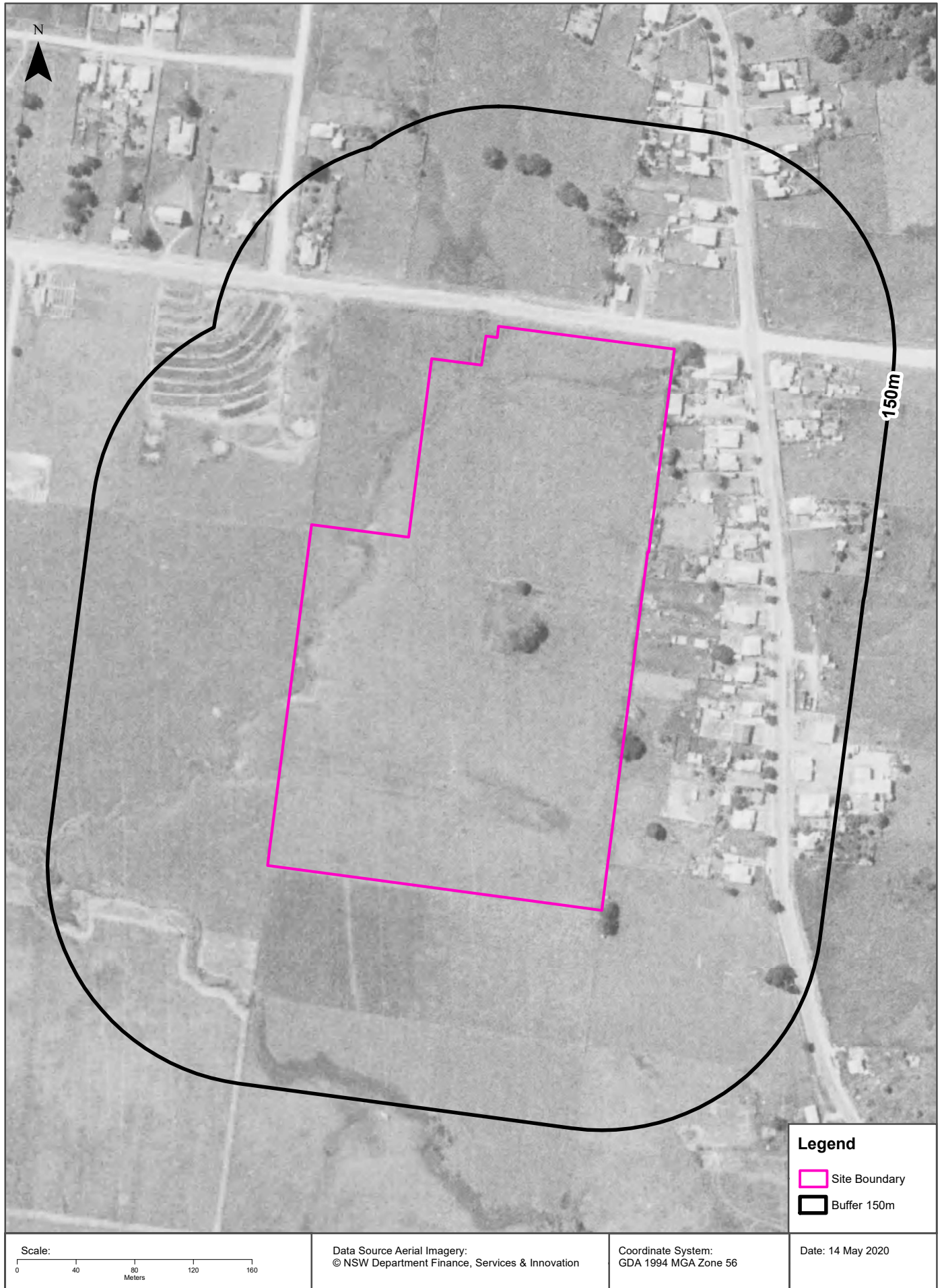
Aerial Imagery 1975

17 Croobyar Road, Milton, NSW 2538



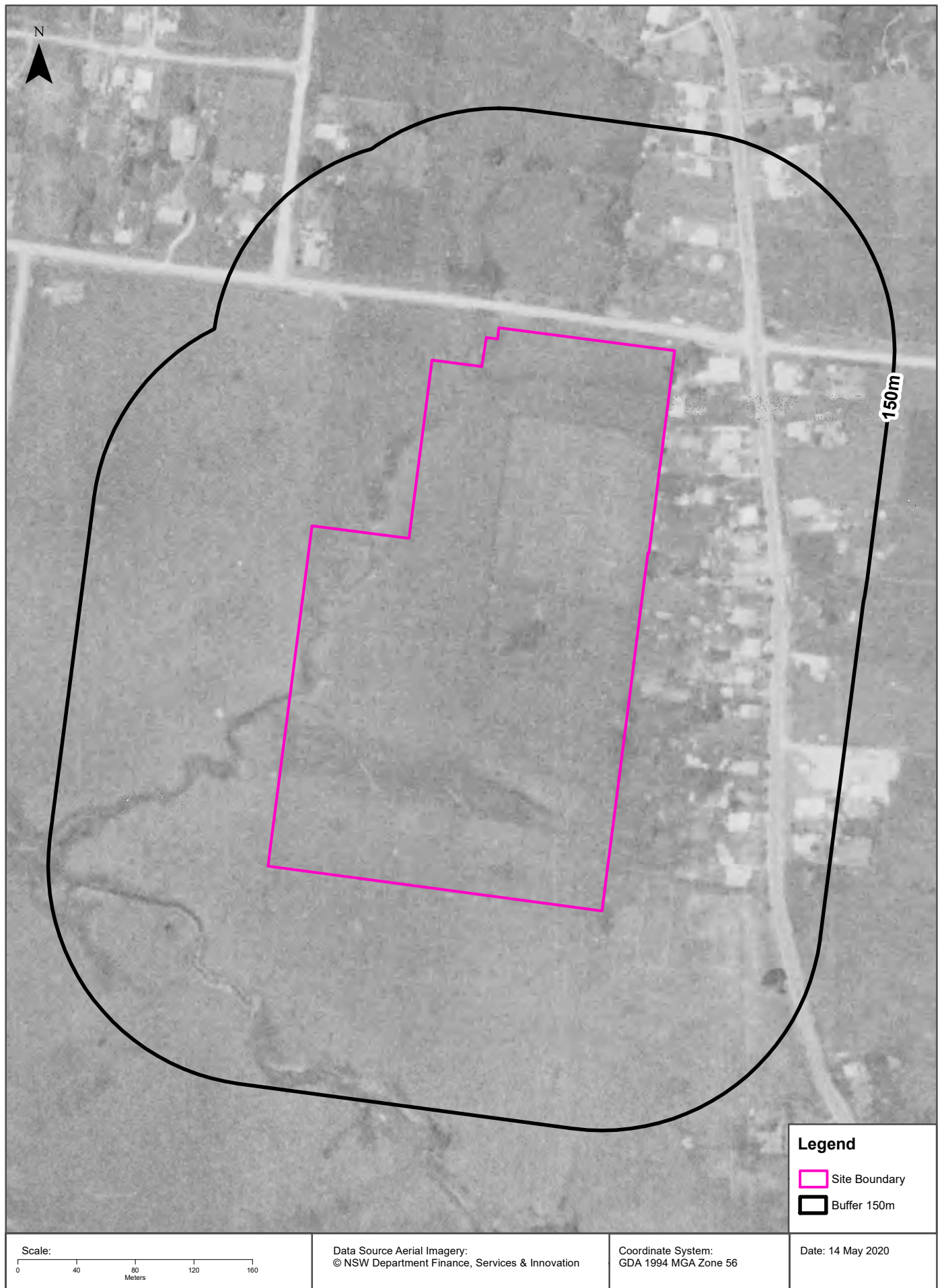
Aerial Imagery 1967

17 Croobyar Road, Milton, NSW 2538



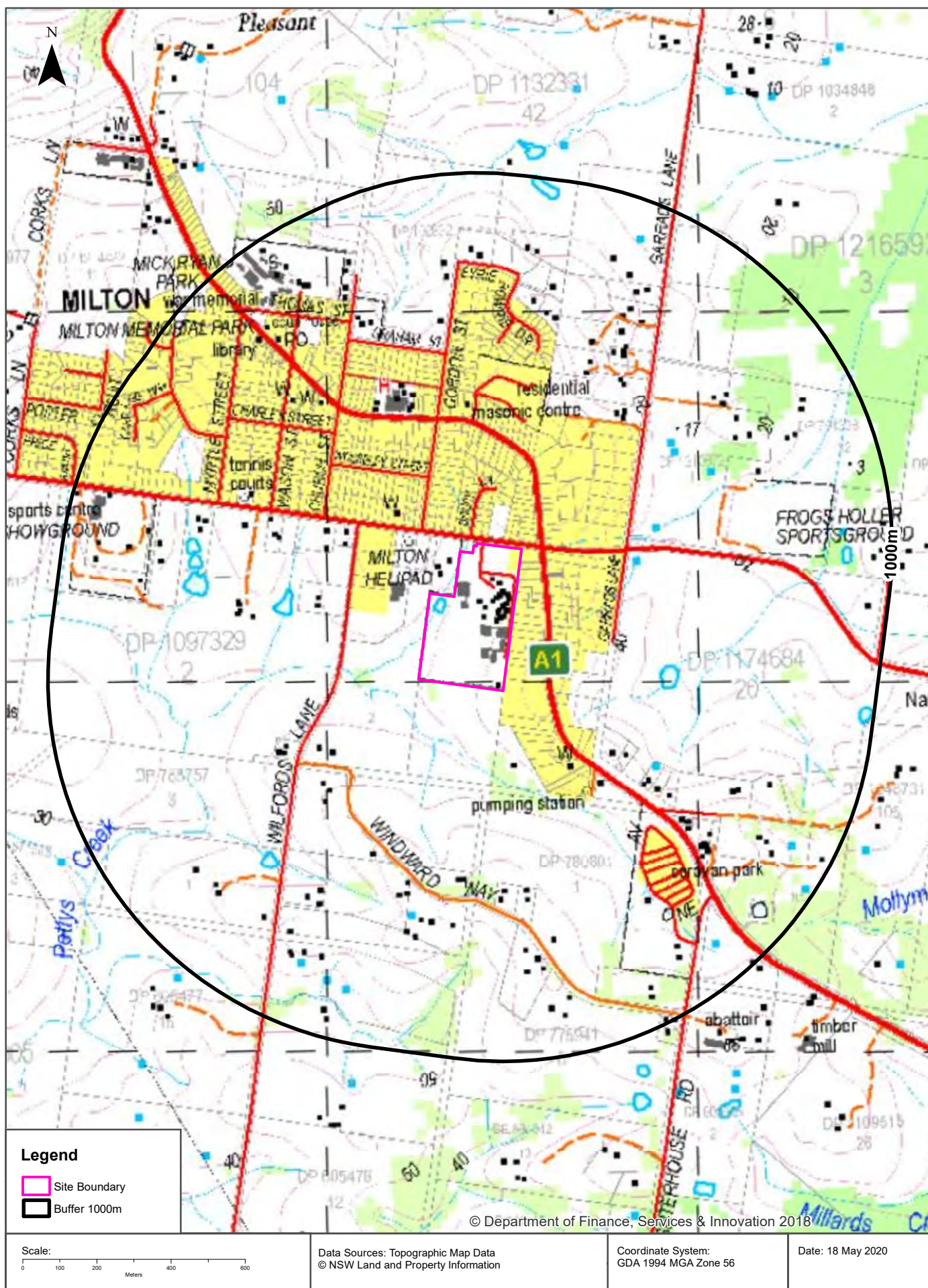
Aerial Imagery 1959

17 Croobyar Road, Milton, NSW 2538



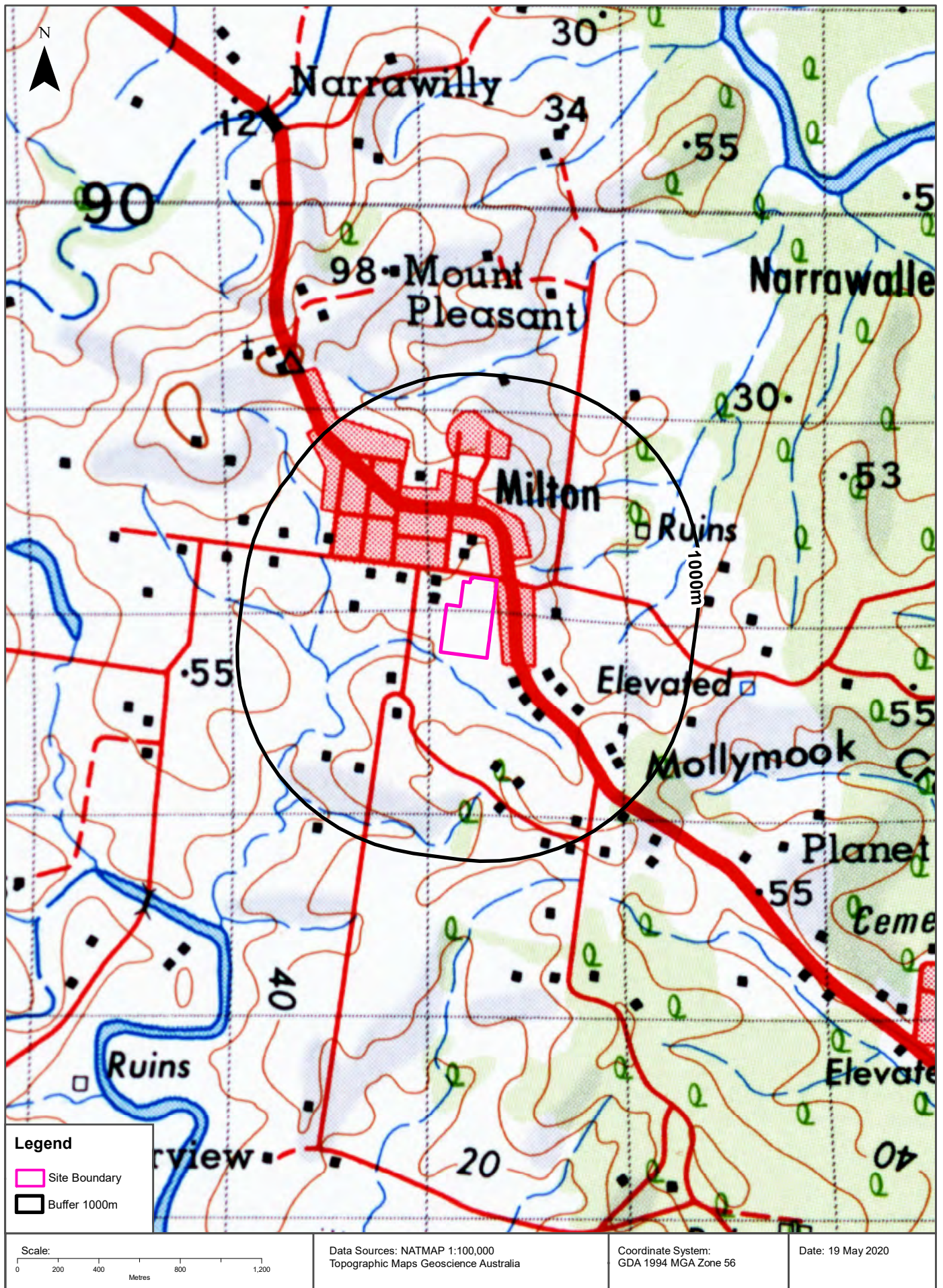
Topographic Map 2015

17 Croobyar Road, Milton, NSW 2538



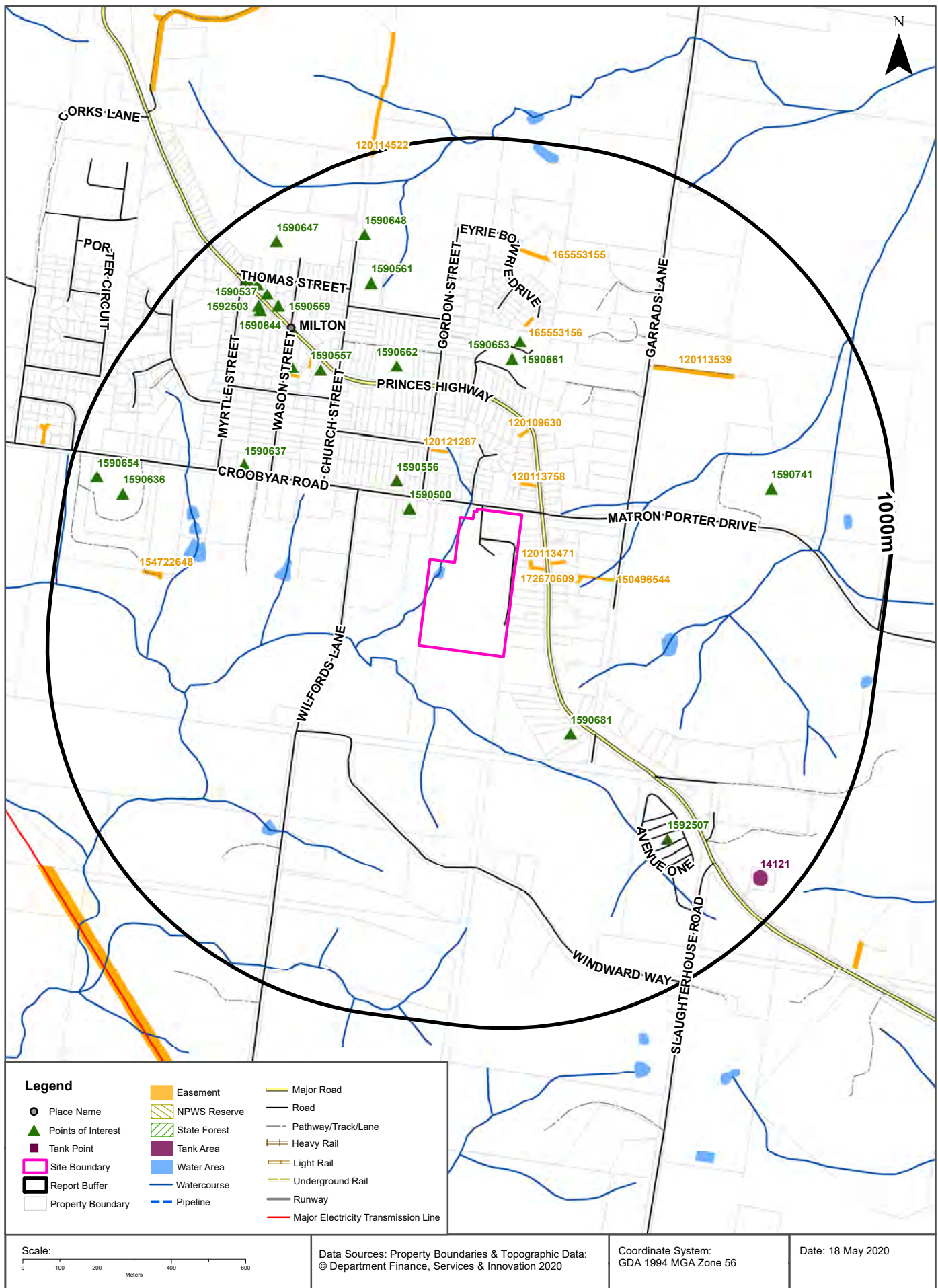
Historical Map 1973

17 Crobyar Road, Milton, NSW 2538



Topographic Features

17 Croobyar Road, Milton, NSW 2538



Topographic Features

17 Croobyar Road, Milton, NSW 2538

Points of Interest

What Points of Interest exist within the dataset buffer?

Map Id	Feature Type	Label	Distance	Direction
1590500	Helipad	MILTON HELIPAD	139m	North West
1590556	Place Of Worship	UNITING CHURCH	198m	North West
1590681	Place Of Worship	JEHOVAHS WITNESSES CHURCH	275m	South East
1590661	Nursing Home	IRT SARAH CLAYDON	413m	North
1590662	General Hospital	MILTON ULLADULLA HOSPITAL	442m	North
1590653	Retirement Village	IRT SARAH CLAYDON	462m	North
1590557	Place Of Worship	ANGLICAN CHURCH	547m	North West
1590637	Sports Court	TENNIS COURTS	561m	North West
1590655	Place Of Worship	BUDDHIST TEMPLE	606m	North West
1592507	Tourist Park / Home Village	MILTON TOURIST PARK	660m	South East
1590561	Swimming Pool	MILTON SWIMMING CENTRE	673m	North
1590741	Sports Field	FROGS HOLLER SPORTSGROUND	674m	East
1590644	Town	MILTON	683m	North West
1590559	Post Office	MILTON POST OFFICE	751m	North West
1590555	Library	MILTON BRANCH LIBRARY	775m	North West
1592503	Community Facility	MILTON THEATRE	786m	North West
1590537	Court House	MILTON COURT HOUSE	795m	North West
1590648	Park	MILTON RAINFOREST RESERVE	799m	North
1590627	Park	MILTON MEMORIAL PARK	832m	North West
1590636	Showground	MILTON SHOWGROUND	845m	West
1590615	Monument	WAR MEMORIAL	859m	North West
1590647	Primary School	MILTON PUBLIC SCHOOL	892m	North West
1590654	Sports Centre	Sports Centre	922m	West

Topographic Data Source: © Land and Property Information (2015)
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Topographic Features

17 Croobyar Road, Milton, NSW 2538

Tanks (Areas)

What are the Tank Areas located within the dataset buffer?

Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
14121	Water	Operational		25/03/2005	892m	South East

Tanks (Points)

What are the Tank Points located within the dataset buffer?

Note. The large majority of tank features provided by LPI are derived from aerial imagery & are therefore primarily above ground tanks.

Map Id	Tank Type	Status	Name	Feature Currency	Distance	Direction
	No records in buffer					

Tanks Data Source: © Land and Property Information (2015)

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Major Easements

What Major Easements exist within the dataset buffer?

Note. Easements provided by LPI are not at the detail of local governments. They are limited to major easements such as Right of Carriageway, Electrical Lines (66kVa etc.), Easement to drain water & Significant subterranean pipelines (gas, water etc.).

Map Id	Easement Class	Easement Type	Easement Width	Distance	Direction
172670609	Primary	Right of way	Var	35m	East
120113758	Primary	Undefined		80m	North East
120113471	Primary	Undefined		93m	East
150496544	Primary	Right of way		170m	East
120121287	Primary	Undefined		171m	North
120109630	Primary	Undefined		208m	North
165553156	Primary	Right of way	VAR	504m	North
120113539	Primary	Undefined		530m	North East
120114627	Primary	Undefined		573m	North West
120114183	Primary	Undefined		576m	North West
165553155	Primary	Right of way	VAR	687m	North
154722648	Primary	Right of way		709m	West
120114522	Primary	Undefined		994m	North

Easements Data Source: © Land and Property Information (2015)

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Topographic Features

17 Croobyar Road, Milton, NSW 2538

State Forest

What State Forest exist within the dataset buffer?

State Forest Number	State Forest Name	Distance	Direction
N/A	No records in buffer		

State Forest Data Source: © NSW Department of Finance, Services & Innovation (2018)
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National Parks and Wildlife Service Reserves

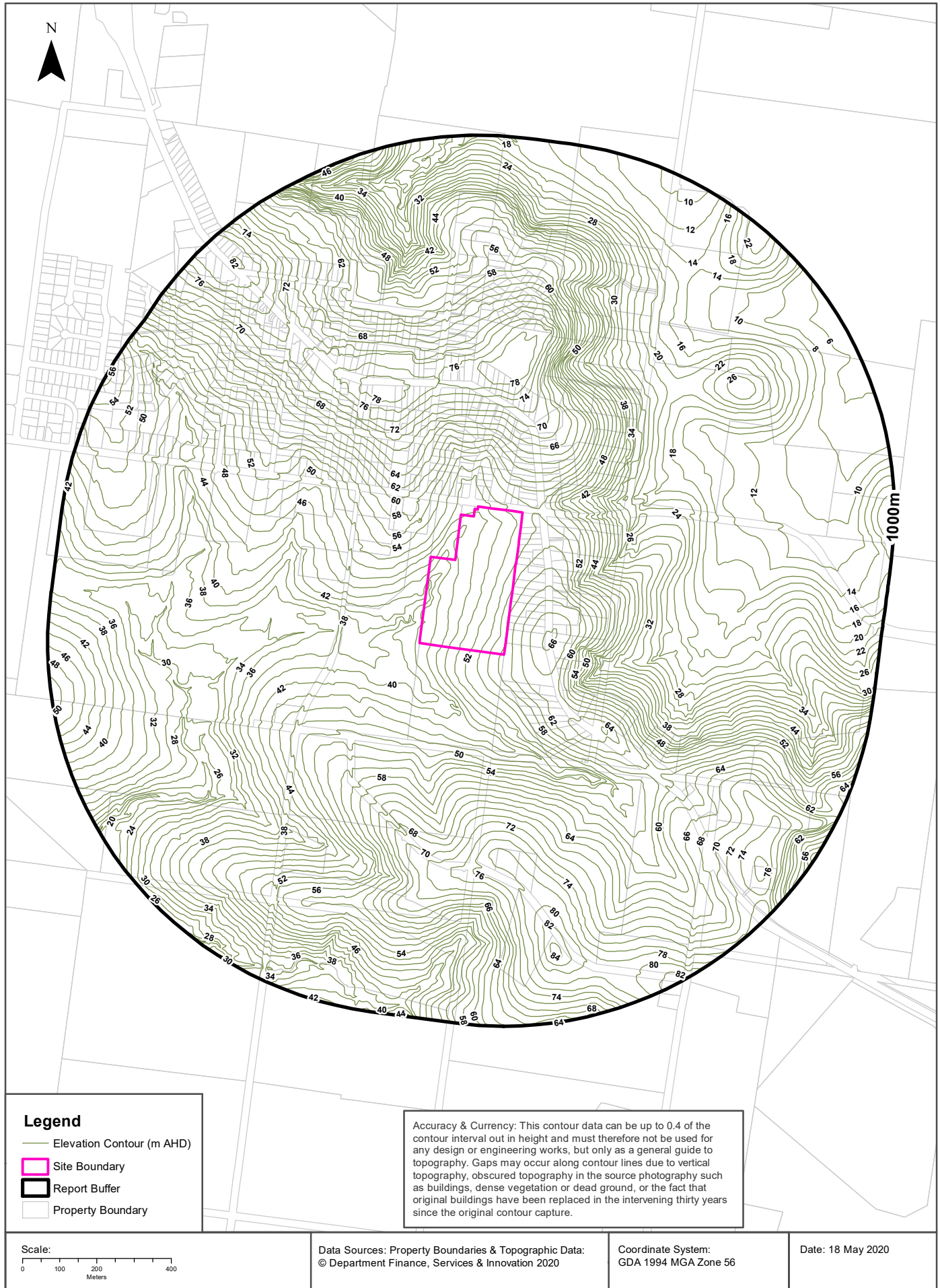
What NPWS Reserves exist within the dataset buffer?

Reserve Number	Reserve Type	Reserve Name	Gazetted Date	Distance	Direction
N/A	No records in buffer				

NPWS Data Source: © NSW Department of Finance, Services & Innovation (2018)
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Elevation Contours (m AHD)

17 Croobyar Road, Milton, NSW 2538



Hydrogeology & Groundwater

17 Croobyar Road, Milton, NSW 2538

Hydrogeology

Description of aquifers on-site:

Description
Fractured or fissured, extensive aquifers of low to moderate productivity

Description of aquifers within the dataset buffer:

Description
Fractured or fissured, extensive aquifers of low to moderate productivity

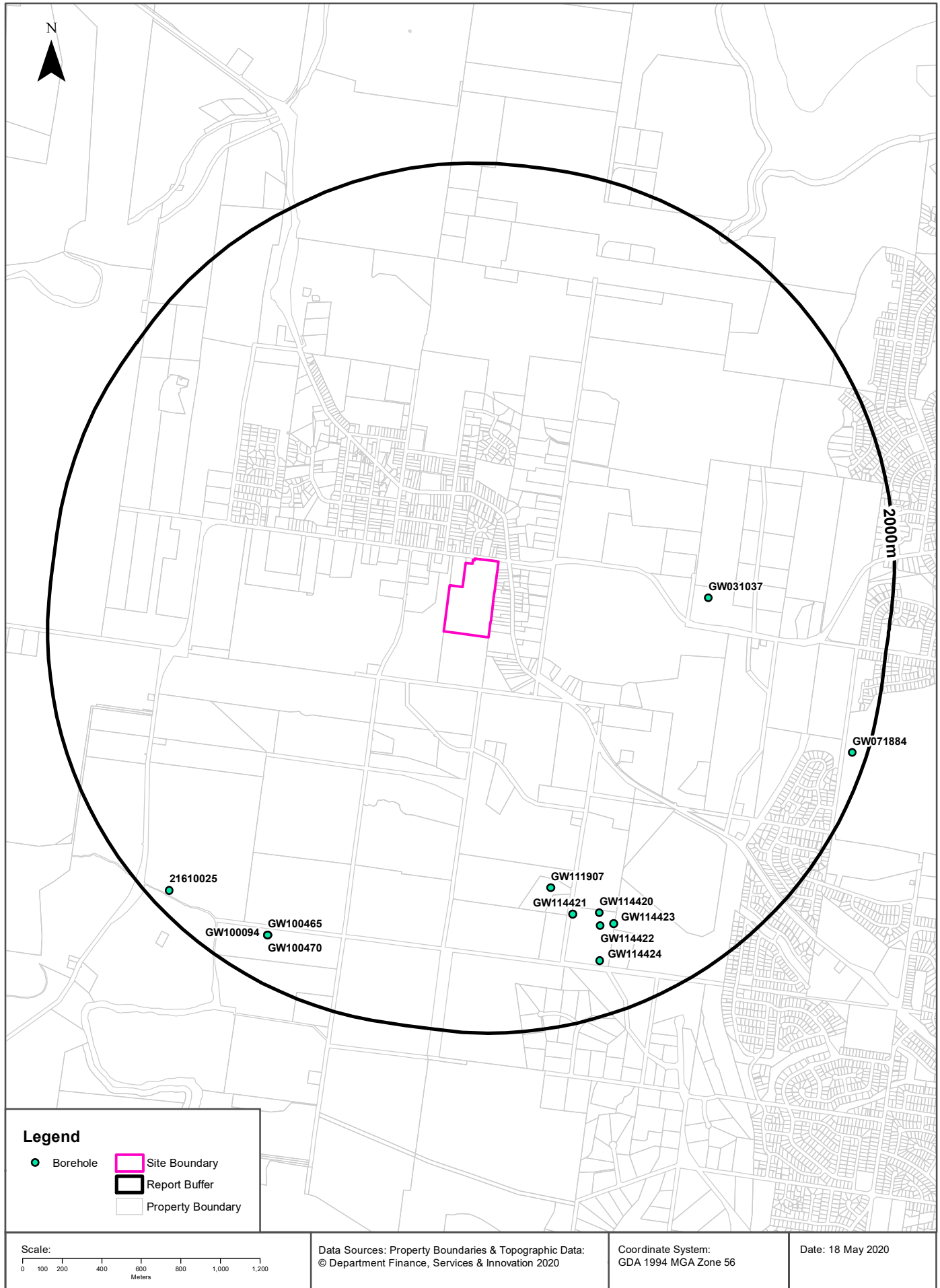
Hydrogeology Map of Australia : Commonwealth of Australia (Geoscience Australia)
Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

Botany Groundwater Management Zones

Groundwater management zones relating to the Botany Sand Beds aquifer within the dataset buffer:

Management Zone No.	Restriction	Distance	Direction
N/A	No records in buffer		

Botany Groundwater Management Zones Data Source : NSW Department of Primary Industries



Hydrogeology & Groundwater

17 Croobyar Road, Milton, NSW 2538

Groundwater Boreholes

Boreholes within the dataset buffer:

GW No.	Licence No	Work Type	Owner Type	Authorised Purpose	Intended Purpose	Name	Complete Date	Final Depth (m)	Drilled Depth (m)	Salinity (mg/L)	SWL (m bgl)	Yield (L/s)	Elev (AHD)	Dist	Dir
GW031037	10BL021600	Bore open thru rock	Private	Domestic, Stock	Not Known		01/06/1966	60.40	60.40	Good				1076m	East
GW111907	10BL603728	Bore	Private	Domestic	Domestic		04/10/2012	72.00	72.00		24.00	0.880		1306m	South
GW114421	10BL605061	Bore	Local Govt	Monitoring Bore	Monitoring Bore	Shoalhaven CC - Former Sanitary Depot	23/01/2012	6.00	6.00					1464m	South
GW114420	10BL605061	Bore	Local Govt	Monitoring Bore	Monitoring Bore	Shoalhaven CC - Former Sanitary Depot	23/01/2012	9.00	9.00	2680	3.90			1503m	South
GW114422	10BL605061	Bore	Local Govt	Monitoring Bore	Monitoring Bore	Shoalhaven CC - Former Sanitary Depot	23/01/2012	9.00	9.00					1564m	South
GW114423	10BL605061	Bore	Local Govt	Monitoring Bore	Monitoring Bore	Shoalhaven CC - Former Sanitary Depot	24/01/2012	9.00	9.00					1580m	South East
GW114424	10BL605061	Bore	Local Govt	Monitoring Bore	Monitoring Bore	Shoalhaven CC - Former Sanitary Depot	24/01/2012	15.00	15.00					1730m	South
GW100094	10BL143868	Bore		Domestic, Stock			07/09/1991	60.00	60.00		30.00	0.330		1775m	South West
GW100465	10BL151462	Bore	Private	Domestic, Stock	Domestic, Stock		21/04/1993	84.00	84.00					1775m	South West
GW100470	10BL157924	Bore	Private	Domestic, Stock	Domestic, Stock		01/03/1997	42.00	42.00		6.00	0.140		1775m	South West
21610025					UNK								16.14	1906m	South West
GW071884	10BL154034	Bore	Private	Recreation (groundwater)	Recreation (groundwater)		21/01/1994	42.00	42.00	Good	6.00	0.800	19.00	1929m	East

Borehole Data Source : NSW Department of Primary Industries - Office of Water / Water Administration Ministerial Corporation for all bores prefixed with GW. All other bores © Commonwealth of Australia (Bureau of Meteorology) 2015. Creative Commons 3.0 © Commonwealth of Australia <http://creativecommons.org/licenses/by/3.0/au/deed.en>

Hydrogeology & Groundwater

17 Croobyar Road, Milton, NSW 2538

Driller's Logs

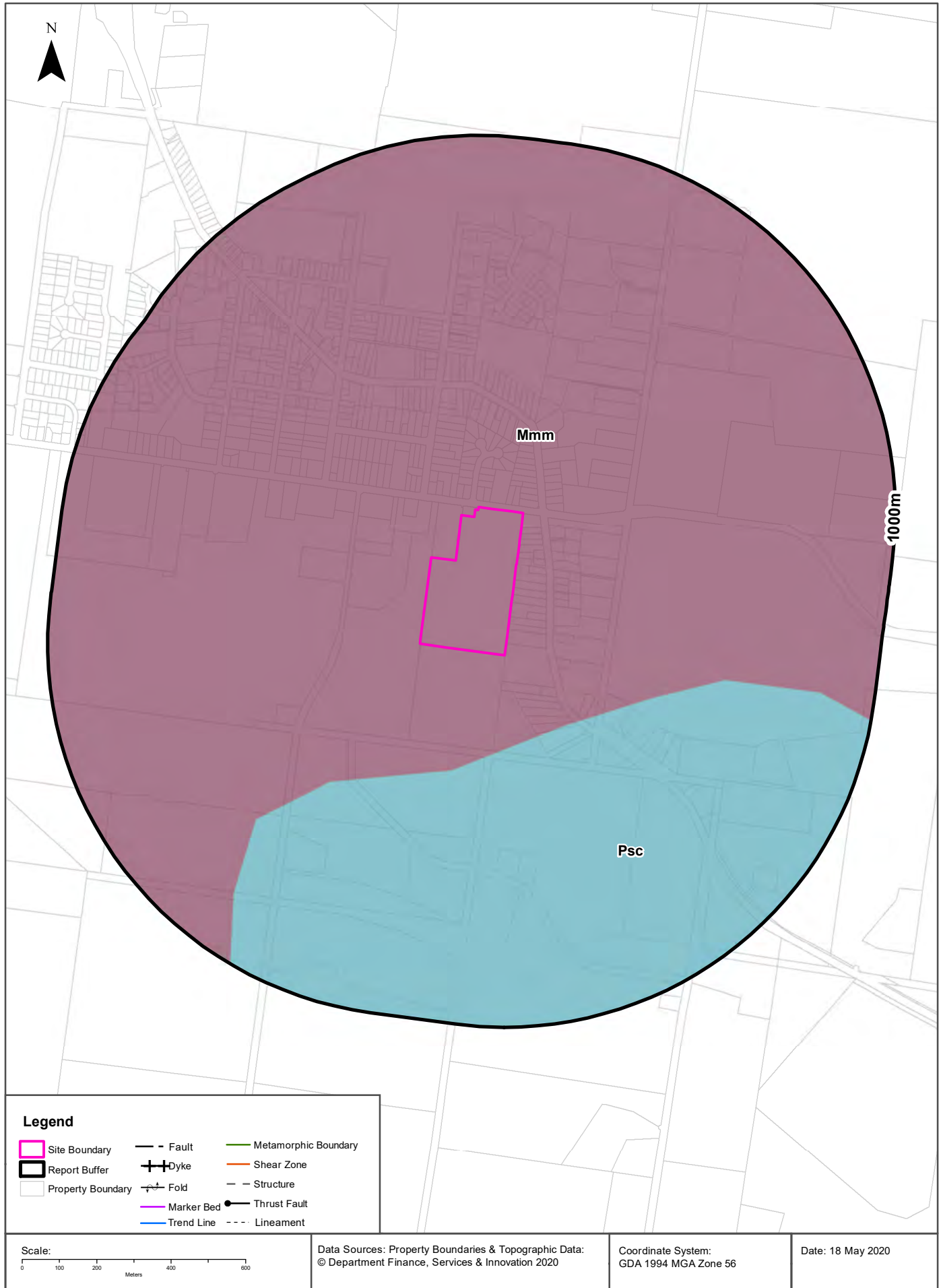
Drill log data relevant to the boreholes within the dataset buffer:

Groundwater No	Drillers Log	Distance	Direction
GW031037	0.00m-0.61m Soil Black 0.61m-2.44m Clay Plastic 2.44m-5.49m Clay Red Hard Sandy 5.49m-7.01m Clay Yellow Sandy 7.01m-8.23m Sandstone Grey Water Bearing 8.23m-11.28m Shale Grey Sandy 11.28m-24.08m Shale Grey Soft Sandy 24.08m-25.30m Shale Grey Hard 25.30m-27.74m Sandstone Yellow Hard 27.74m-36.58m Sandstone Grey 36.58m-38.10m Shale Grey Soft Sandy Water Supply 38.10m-60.35m Shale Sandy	1076m	East
GW111907	0.00m-1.00m TOPSOIL 1.00m-2.00m CLAY 2.00m-43.00m SHALE SOFT AND CLAY 43.00m-47.00m BASALT 47.00m-47.50m BASALT,WATER SUPPLY 47.50m-53.00m BASALT 53.00m-53.50m BASALT,WATER SUPPLY 53.50m-63.00m BASALT 63.00m-70.00m BASALT,WATER SUPPLY 70.00m-72.00m BASALT	1306m	South
GW114421	0.00m-2.00m TOPSOIL, SILTY SAND DARK BROWN 2.00m-4.00m CLAY MEDIUM TO HIGH PLASTICITY 4.00m-6.00m CLAY HIGH PLASTICITY PALE BROWN	1464m	South
GW114420	0.00m-1.00m FILL SILTY CLAY 1.00m-2.00m CLAY MED.TO HIGH PLASTICITY 2.00m-2.50m CLAY GREY AND DARK GREY 2.50m-3.60m SANDY CLAY LOW PLASTICITY 3.60m-7.00m CLAY LOW PLASTICITY,GRAVEL 7.00m-9.00m CLAY,HIGH PLASTICITY,GRAVEL	1503m	South
GW114422	0.00m-1.00m TOPSOIL,SILTY SAND 1.00m-1.80m SANDY CLAY,LOW TO MED.PLASTICITY 1.80m-3.50m CLAYEY SAND WEATHERED SANDSTONE 3.50m-5.70m SANDY CLAY,GRAVEL, QUARTZ 5.70m-6.60m SANDY CLAY LOW PLASTICITY,SILT 6.60m-9.00m CLAY ,GRAVEL AND TRACE OF SAND	1564m	South
GW114423	0.00m-0.80m TOPSOIL SILTY SAND 0.80m-1.80m CLAY MED.PLASTICITY,FINE GRAINED SAND 1.80m-3.70m SANDY CLAY MED.PASTICITY,MED.GR.GRAVEL 3.70m-9.00m CLAY,HIGH PLASTICITY,FINE GRAINED SAND	1580m	South East
GW114424	0.00m-0.60m FILL , TOPSOIL SANDY SILT 0.60m-4.80m CLAY MED.TO HIGH PLASTICITY 4.80m-5.50m SANDY SILT 5.50m-6.80m CLAY, SOME SILT 6.80m-7.50m CLAY DARK BROWN 7.50m-7.80m CLAY,LOW MED. PLASTICITY 7.80m-15.00m CLAY,LOW TO MED. PLASTICITY	1730m	South
GW100094	0.00m-40.00m SANDSTONE 40.00m-60.00m SHALE	1775m	South West
GW100465	0.00m-4.00m SOILS AND CLAYS 4.00m-84.00m MONOSITE	1775m	South West
GW100470	0.00m-1.00m SOIL 1.00m-2.00m CLAY 2.00m-42.00m SANDSTONE	1775m	South West
GW071884	0.00m-3.00m soil 3.00m-6.00m clay 6.00m-6.50m Gravel 6.50m-11.00m clay 11.00m-42.00m sandstone	1929m	East

Drill Log Data Source: NSW Department of Primary Industries - Office of Water / Water Administration Ministerial Corp
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Geology 1:250,000

17 Croobyar Road, Milton, NSW 2538



Geology

17 Croobyar Road, Milton, NSW 2538

Geological Units

What are the Geological Units onsite?

Symbol	Description	Unit Name	Group	Sub Group	Age	Dom Lith	Map Sheet	Dataset
Mmm	Monzonite	Milton Monzonite			Palaeozoic			1:250,000

What are the Geological Units within the dataset buffer?

Symbol	Description	Unit Name	Group	Sub Group	Age	Dom Lith	Map Sheet	Dataset
Mmm	Monzonite	Milton Monzonite			Palaeozoic			1:250,000
Psc	Boulder and cobble conglomerate, pebbly sandstone, coarse grained and quartz-lithic	Snapper Point Formation	Shoalhaven Group	Conjola Subgroup	Palaeozoic			1:250,000

Geological Structures

What are the Geological Structures onsite?

Feature	Name	Description	Map Sheet	Dataset
No features				1:250,000

What are the Geological Structures within the dataset buffer?

Feature	Name	Description	Map Sheet	Dataset
No features				1:250,000

Geological Data Source : NSW Department of Industry, Resources & Energy

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Naturally Occurring Asbestos Potential

17 Croobyar Road, Milton, NSW 2538

Naturally Occurring Asbestos Potential

Naturally Occurring Asbestos Potential within the dataset buffer:

Potential	Sym	Strat Name	Group	Formation	Scale	Min Age	Max Age	Rock Type	Dom Lith	Description	Dist	Dir
No records in buffer												

Mining Subsidence District Data Source: © State of New South Wales through NSW Department of Industry, Resources & Energy

Atlas of Australian Soils

17 Croobyar Road, Milton, NSW 2538



Legend		Australian Soil Classification Orders					
Site Boundary	Anthroposol	Dermosol	Kandosol	Podosol	Tenosol	No Data	
Report Buffer	Calcarosol	Ferrosol	Kurosol	Rudosol	Vertosol		
Property Boundary	Chromosol	Hydrosol	Organosol	Sodosol	Lake		

<p>Scale:</p> <p>0 100 200 400 600 Meters</p>	<p>Data Sources: Property Boundaries & Topographic Data: © Department Finance, Services & Innovation 2020</p>	<p>Coordinate System: GDA 1994 MGA Zone 56</p>	<p>Date: 18 May 2020</p>
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Soils

17 Croobyar Road, Milton, NSW 2538

Atlas of Australian Soils

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

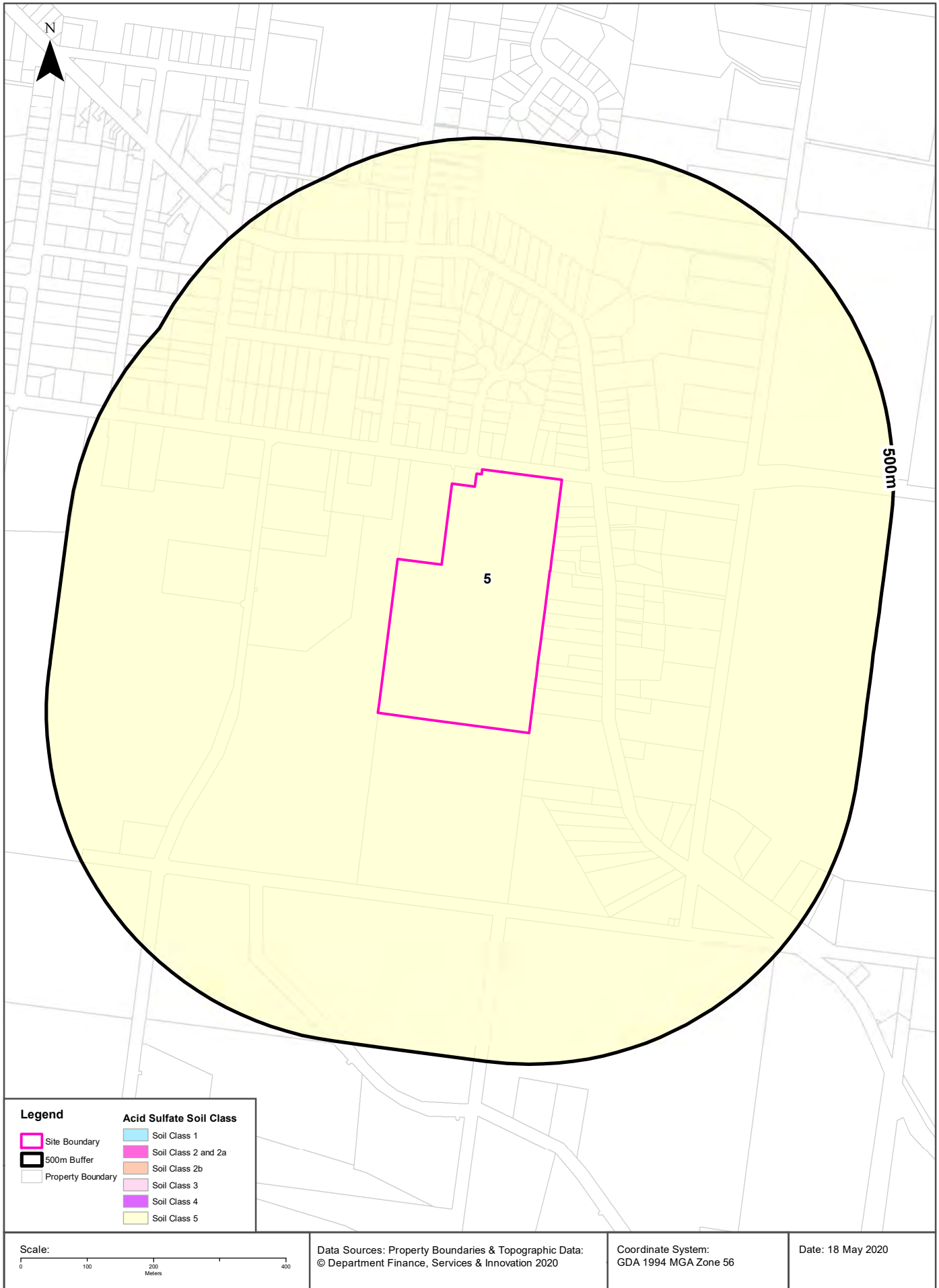
Map Unit Code	Soil Order	Map Unit Description	Distance
Me1	Dermosol	Hilly with some steep slopes and small graded valleys: moderately steep rounded hills of brown and red friable earths (Gn3.21 and Gn3.22 and Gn3.11 and Gn3.12) in association with less rounded hill slopes of hard acidic yellow mottled soils (Dy3.41), hard acidic red soils (Dr2.21), and yellow leached earths (Gn3.54), and also other hill slopes of loamy soils having an A2 horizon (Um4.2) with yellow-brown earths (Gn2.44); stream valleys of various soils including (Dy4.41), (Dy5.41), and (Um6.11).	0m
Mb5	Kandosol	Dissected sandstone plateau--"terraced" ridges with flat to hilly crests and steep side slopes, scarps, canyons, rock walls, pillars, and slabs of sandstone: chief soils are acid yellow leached earths and acid yellow earths as follows: (i) flat to undulating areas of the original plateau surface--yellow leached earths (Gn2.74) and yellow earths (Gn2.21) and (Gn2.24) all containing large amounts of ironstone gravels and/or boulders; (ii) gently undulating ridge tops of leached sands (Uc2.12) and (Uc2.3) with open (treeless) areas of acid peats (O) and yellow leached earths (Gn2.74) and (Gn2.34), these areas are in part comparable with unit NZ1; (iii) hilly areas of the (Uc) soils and shallow forms of the (Gn2) soils; (iv) areas of (Dy3.41) and (Dy2.41) soils sometimes containing ironstone gravels on some ridge slopes; and (v) steep slopes with pockets of soil materials from the above soils. The unit has many features comparable with those of unit Mb2. Data are limited.	755m

Atlas of Australian Soils Data Source: CSIRO

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Acid Sulfate Soils

17 Croobyar Road, Milton, NSW 2538



Acid Sulfate Soils

17 Croobyar Road, Milton, NSW 2538

Environmental Planning Instrument - Acid Sulfate Soils

What is the on-site Acid Sulfate Soil Plan Class that presents the largest environmental risk?

Soil Class	Description	EPI Name
5	Works within 500 metres of adjacent Class 1, 2, 3, or 4 land that is below 5 metres AHD and by which the watertable is likely to be lowered below 1 metre AHD on adjacent Class 1, 2, 3 or 4 land, present an environmental risk	Shoalhaven Local Environmental Plan 2014

If the on-site Soil Class is 5, what other soil classes exist within 500m?

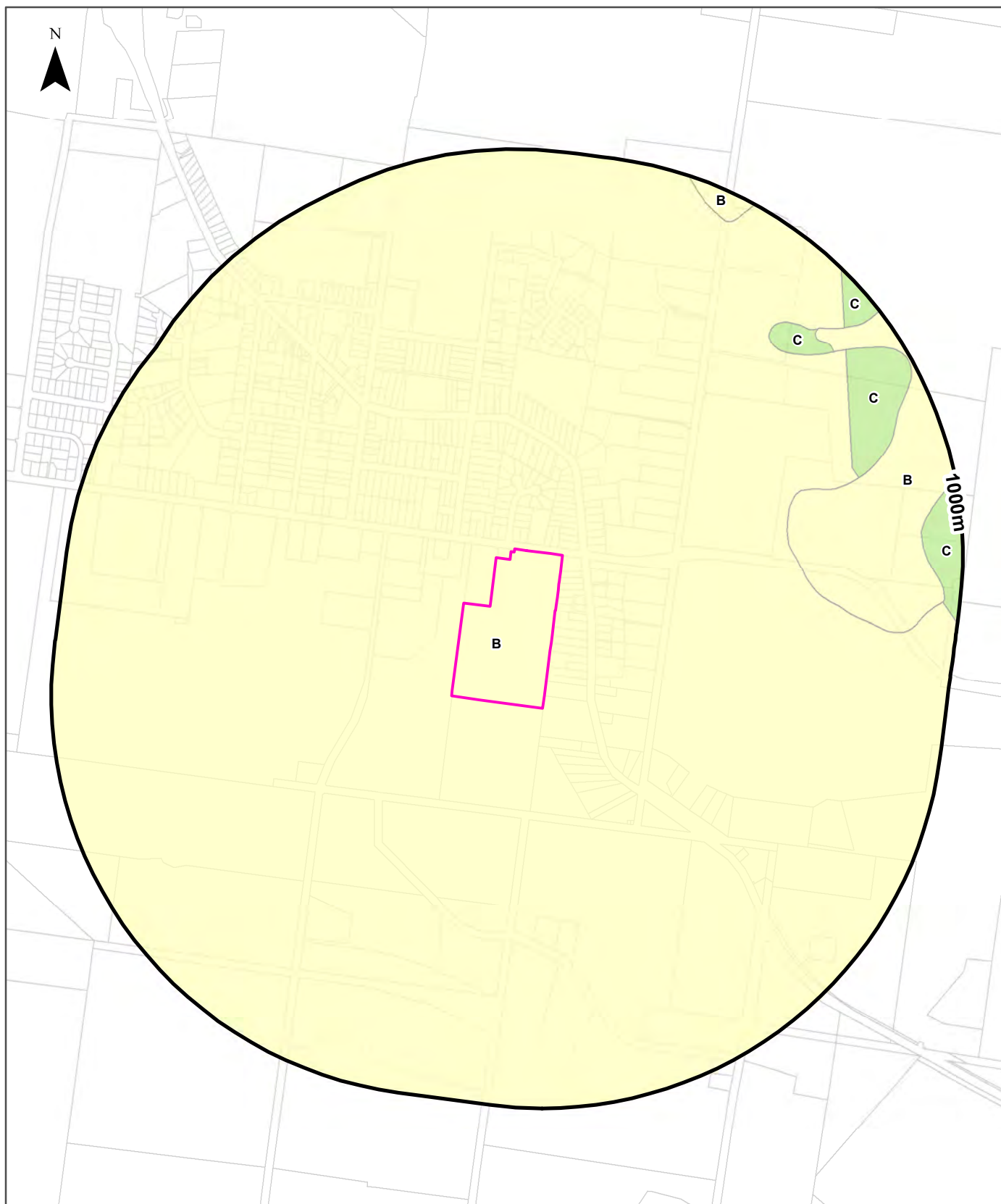
Soil Class	Description	EPI Name	Distance	Direction
None				

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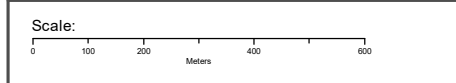
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Atlas of Australian Acid Sulfate Soils

17 Croobyar Road, Milton, NSW 2538



Legend			
Site Boundary	Probability of occurrence of Acid Sulfate Soils		
Report Buffer	A. High (>70%)	C. Extremely Low (1-5%)	No Data
Property Boundary	B. Low (6-70%)	D. No Chance (0%)	



Data Sources: Property Boundaries & Topographic Data:
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Coordinate System:
GDA 1994 MGA Zone 56

Date: 18May 2020

Acid Sulfate Soils

17 Croobyar Road, Milton, NSW 2538

Atlas of Australian Acid Sulfate Soils

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

Class	Description	Distance
B	Low Probability of occurrence. 6-70% chance of occurrence.	0m
C	Extremely low probability of occurrence. 1-5% chance of occurrence with occurrences in small localised areas.	742m

Atlas of Australian Acid Sulfate Soils Data Source: CSIRO

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Dryland Salinity

17 Croobyar Road, Milton, NSW 2538

Dryland Salinity - National Assessment

Is there Dryland Salinity - National Assessment data onsite?

No

Is there Dryland Salinity - National Assessment data within the dataset buffer?

No

What Dryland Salinity assessments are given?

Assessment 2000	Assessment 2020	Assessment 2050	Distance	Direction
N/A	N/A	N/A	N/A	N/A

Dryland Salinity Data Source : National Land and Water Resources Audit

The Commonwealth and all suppliers of source data used to derive the maps of "Australia, Forecast Areas Containing Land of High Hazard or Risk of Dryland Salinity from 2000 to 2050" do not warrant the accuracy or completeness of information in this product. Any person using or relying upon such information does so on the basis that the Commonwealth and data suppliers shall bear no responsibility or liability whatsoever for any errors, faults, defects or omissions in the information. Any persons using this information do so at their own risk.

In many cases where a high risk is indicated, less than 100% of the area will have a high hazard or risk.

Dryland Salinity Potential of Western Sydney

Dryland Salinity Potential of Western Sydney within the dataset buffer?

Feature Id	Classification	Description	Distance	Direction
N/A	Outside Data Coverage			

Dryland Salinity Potential of Western Sydney Data Source : NSW Office of Environment and Heritage

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Mining Subsidence Districts

17 Croobyar Road, Milton, NSW 2538

Mining Subsidence Districts

Mining Subsidence Districts within the dataset buffer:

District	Distance	Direction
There are no Mining Subsidence Districts within the report buffer		

Mining Subsidence District Data Source: © Land and Property Information (2016)
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State Environmental Planning Policy

17 Croobyar Road, Milton, NSW 2538

State Significant Precincts

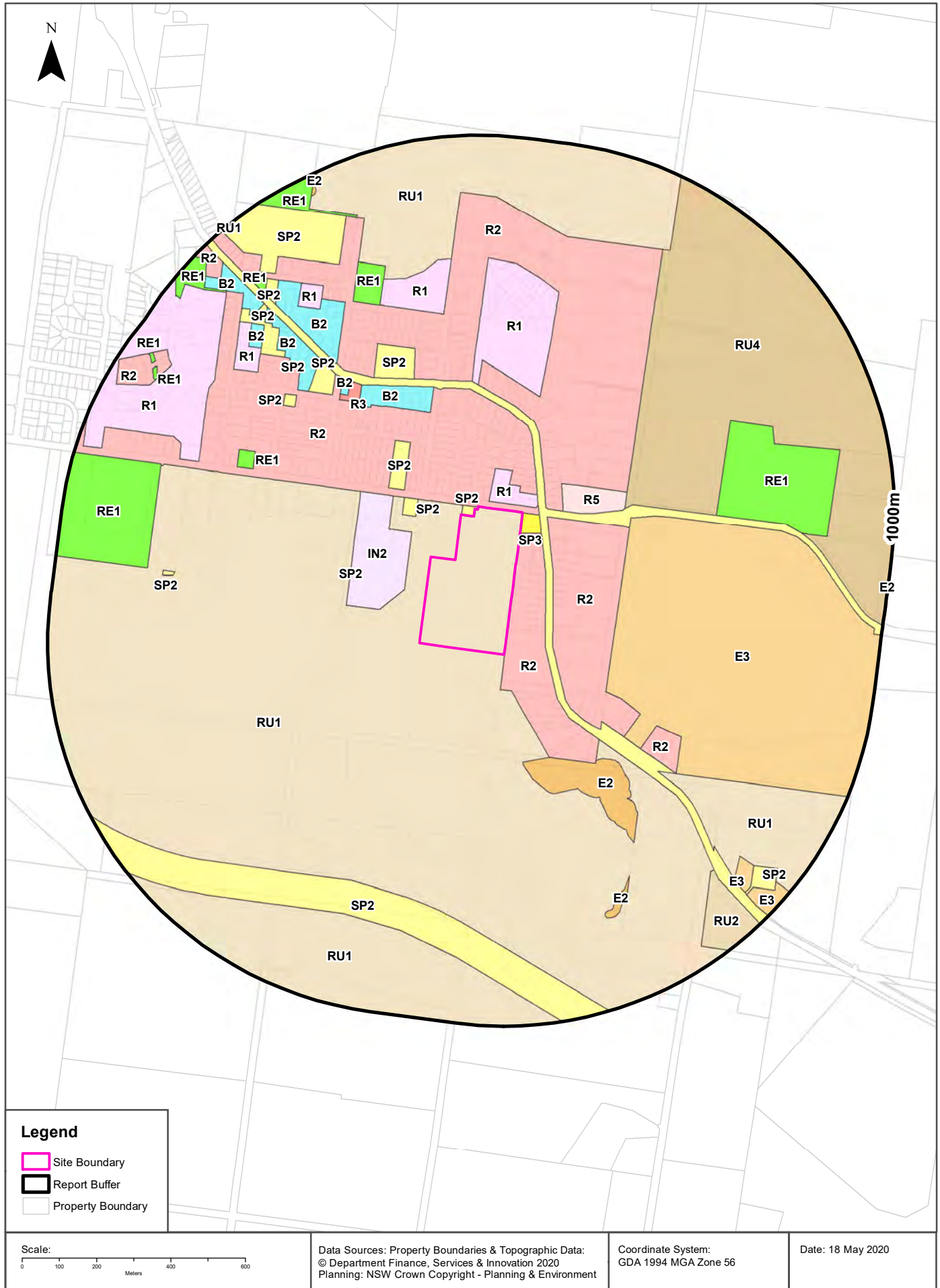
What SEPP State Significant Precincts exist within the dataset buffer?

Map Id	Precinct	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
N/A	No Records in Buffer							

State Environment Planning Policy Data Source: NSW Crown Copyright - Planning & Environment
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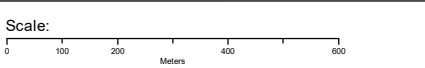
EPI Planning Zones

17 Croobyar Road, Milton, NSW 2538



Legend

- Site Boundary
- Report Buffer
- Property Boundary



Data Sources: Property Boundaries & Topographic Data:
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Coordinate System:
 GDA 1994 MGA Zone 56

Date: 18 May 2020

Environmental Planning Instrument

17 Croobyar Road, Milton, NSW 2538

Land Zoning

What EPI Land Zones exist within the dataset buffer?

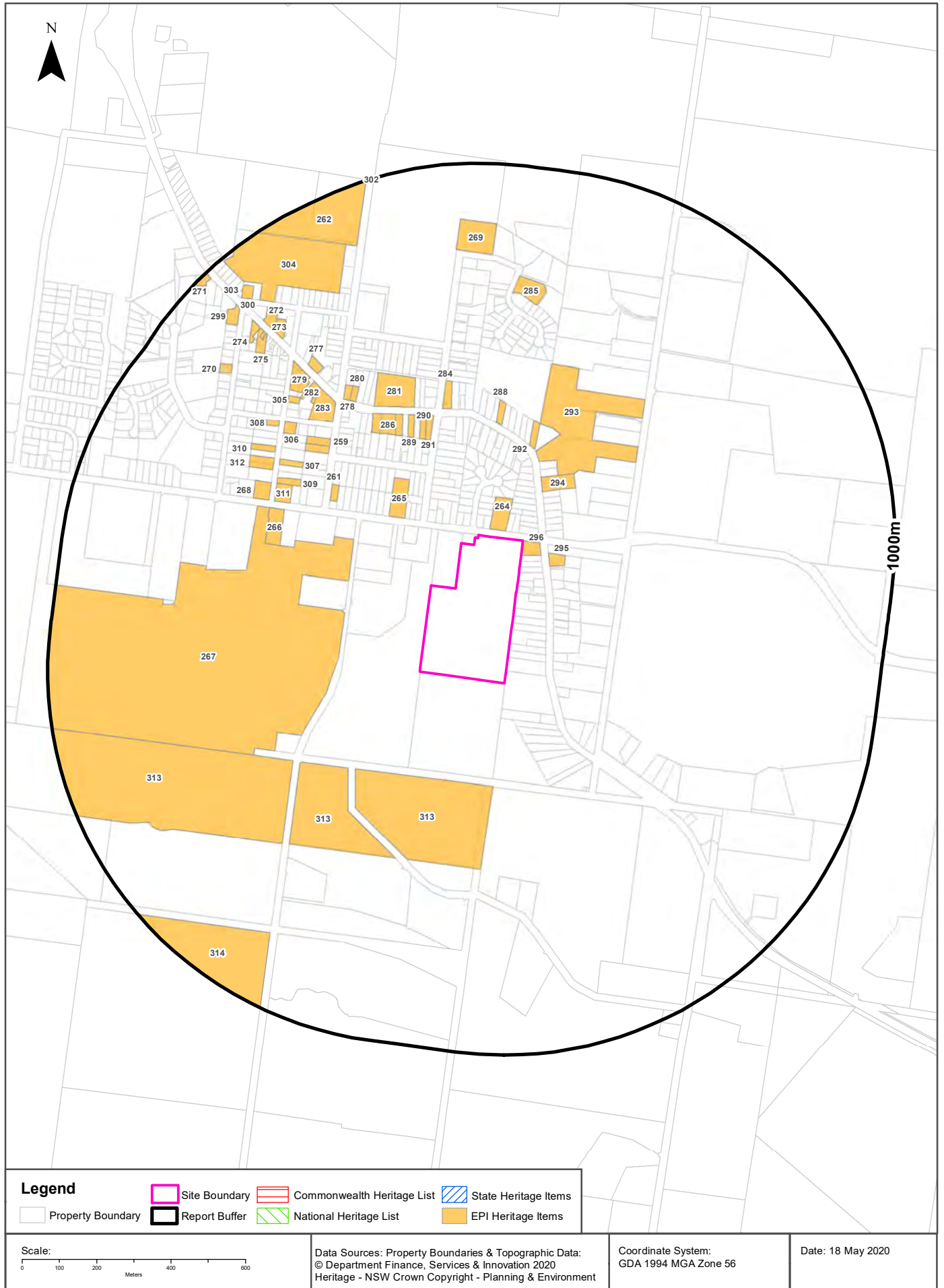
Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
RU1	Primary Production		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		0m	Onsite
R2	Low Density Residential		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		0m	North West
SP2	Infrastructure	Sewerage System	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		0m	North
SP3	Tourist		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		0m	North East
R1	General Residential		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		18m	North
SP2	Infrastructure	Road	Shoalhaven Local Environmental Plan 2014	27/09/2019	27/09/2019	27/09/2019	Amendment No 23	42m	North
IN2	Light Industrial		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		59m	West
R2	Low Density Residential		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		63m	North
R2	Low Density Residential		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		65m	East
R5	Large Lot Residential		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		108m	North East
SP2	Infrastructure	Air Transport Facility	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		117m	North West
SP2	Infrastructure	Place of Public Worship	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		168m	North West
SP2	Infrastructure	Sewerage System	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		205m	West
RU4	Primary Production Small Lots		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		273m	North East
E3	Environmental Management		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		284m	East
B2	Local Centre		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		286m	North
E2	Environmental Conservation		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		294m	South East
R1	General Residential		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		315m	North
SP2	Infrastructure	Health Services Facilities	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		385m	North
R3	Medium Density Residential		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		405m	North West
B2	Local Centre		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		445m	North West
R2	Low Density Residential		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		445m	South East
SP2	Infrastructure	Place of Public Worship	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		475m	North West
RU1	Primary Production		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		518m	South East
RE1	Public Recreation		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		520m	East
B2	Local Centre		Shoalhaven Local Environmental Plan 2014	16/02/2018	16/02/2018	27/09/2019	Amendment No 18	527m	North West
R1	General Residential		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		527m	North

Zone	Description	Purpose	EPI Name	Published Date	Commenced Date	Currency Date	Amendment	Distance	Direction
B2	Local Centre		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		530m	North West
RE1	Public Recreation		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		534m	North West
SP2	Infrastructure	Community Facility	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		535m	North West
SP2	Infrastructure	Community Facility	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		584m	North West
RE1	Public Recreation		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		604m	North
SP2	Infrastructure	Car Park	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		637m	North West
RU1	Primary Production		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		645m	North
R1	General Residential		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		669m	North West
R1	General Residential		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		672m	North West
R1	General Residential		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		674m	North West
SP2	Infrastructure	Sewerage System	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		677m	West
E2	Environmental Conservation		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		683m	South East
B2	Local Centre		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		701m	North West
SP2	Infrastructure	Educational Establishment	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		749m	North West
RE1	Public Recreation		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		752m	West
RU1	Primary Production		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		755m	West
SP2	Infrastructure	Public Administration Buildings	Shoalhaven Local Environmental Plan 2014	16/02/2018	16/02/2018	27/09/2019	Amendment No 18	756m	North West
B2	Local Centre		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		776m	North West
RE1	Public Recreation		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		802m	North West
RU2	Rural Landscape		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		805m	South East
E3	Environmental Management		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		833m	South East
RE1	Public Recreation		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		843m	North West
R2	Low Density Residential		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		868m	North West
RE1	Public Recreation		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		871m	North West
SP2	Infrastructure	Water Supply System	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		878m	South East
RE1	Public Recreation		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		879m	North West
R2	Low Density Residential		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		908m	North West
RE1	Public Recreation		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		908m	North West
E3	Environmental Management		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		916m	South East
E2	Environmental Conservation		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		948m	North
E2	Environmental Conservation		Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	27/09/2019		996m	North East

Environmental Planning Instrument Data Source: NSW Crown Copyright - Planning & Environment
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Heritage Items

17 Croobyar Road, Milton, NSW 2538



Heritage

17 Croobyar Road, Milton, NSW 2538

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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State Heritage Register - Curtilages

What are the State Heritage Register Items located within the dataset buffer?

Map Id	Name	Address	LGA	Listing Date	Listing No	Plan No	Distance	Direction
N/A	No records in buffer							

Heritage Data Source: NSW Crown Copyright - Office of Environment & Heritage
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Environmental Planning Instrument - Heritage

What are the EPI Heritage Items located within the dataset buffer?

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
296	Two storey Victorian Rendered Masonry Store	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	0m	Onsite
264	Milton Church of England Cemetery	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	20m	North
295	"Candlemakers Cottage" Colonial rendered Brick Cottage	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	70m	North East

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
294	"Hillside" Victorian Georgian Residence and garden	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	142m	North East
265	Victorian Gothic Revival Rubblestone Ch (fmr Congregational Ch) & Victorian Georgian Brick Manse	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	168m	North West
293	"Melrose" former Dairy Farm Complex	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	199m	North East
267	"Claydon Park" Dairy Farm Complex	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	221m	West
292	Inter-war Federation Style Timber Residence and grounds	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	248m	North
313	"Pine View" Federation Farmhouse Complex and trees	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	280m	South
291	Inte-war Californian Bungalow	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	286m	North
290	Federation Weatherboard Residence	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	294m	North
288	Inter-war Federation Style Cottage	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	300m	North
289	Victorian Weatherboard Hall (former Salvation Army Hall)	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	311m	North
313	"Pine View" Federation Farmhouse Complex and trees	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	324m	South West
287	Federation Weatherboard Residence and garden	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	329m	North
261	Federation Weatherboard Residence	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	340m	North West
286	Victorian Georgian Residence and former Dispensary	Item - General	Local	Shoalhaven Local Environmental Plan 2014	18/12/2015	18/12/2015	20/03/2020	341m	North West
297	Late Victorian Brick Residence	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	341m	North West
284	Relocated Victorian Rendered Masonry Lighthouse Keeper's Cottage	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	349m	North
286	Victorian Georgian Residence and former Dispensary	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	369m	North West
281	Federation Weatherboard Residence and Well, "Garrad House" Federation Period Farm House	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	385m	North
313	"Pine View" Federation Farmhouse Complex and trees	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	418m	South West

Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
266	Victorian Gothic Style Church and Graveyard (former Methodist Church)	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	421m	North West
260	Victorian Georgian Worker's Cottage	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	431m	North West
259	Victorian Weatherboard Residence and garden	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	440m	North West
311	Victorian Weatherboard Workers Cottage	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	440m	North West
309	Colonial Timber Slab Cottage	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	442m	North West
307	Inter-war Californian Style Bungalow	Item - General	Local	Shoalhaven Local Environmental Plan 2014	18/12/2015	18/12/2015	20/03/2020	468m	North West
283	Milton Anglican Church Group incl Victorian Gothic Revival Church, Gothic style Hall and Chinese Elm	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	475m	North West
280	Victorian Weatherboard Residence and shop	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	476m	North West
278	Two storey Victorian Bakery and Residence	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	489m	North West
268	"Mudge's Corner" - Federation Weatherboard Residence, including Outbuildings, Garden and Fence	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	493m	North West
312	Late Victorian Weatherboard Residence	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	527m	North West
306	"King House" - two storey Victorian Georgian style Residence	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	535m	North West
282	Victorian Italianate style Bank Building (former CBC Bank)	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	547m	North West
310	"Priaulx Villa" late Victorian Weatherboard Residence	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	551m	North West
305	"Donovans Cottage" Victorian Weatherboard Cottage and Detached Kitchen	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	576m	North West
308	Victorian Weatherboard Corner Store	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	584m	North West
279	"The Settlement" RowofVict Masonry Shops & Frederick Halls Wboard Shop & Res. & 2 st Com Bldg & Tree	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	591m	North West
277	"The Star Hotel" two storey Rendered Masonry building	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	599m	North West
285	"Eyrie Bowrie" two storey Victorian Regency Residence	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	633m	North

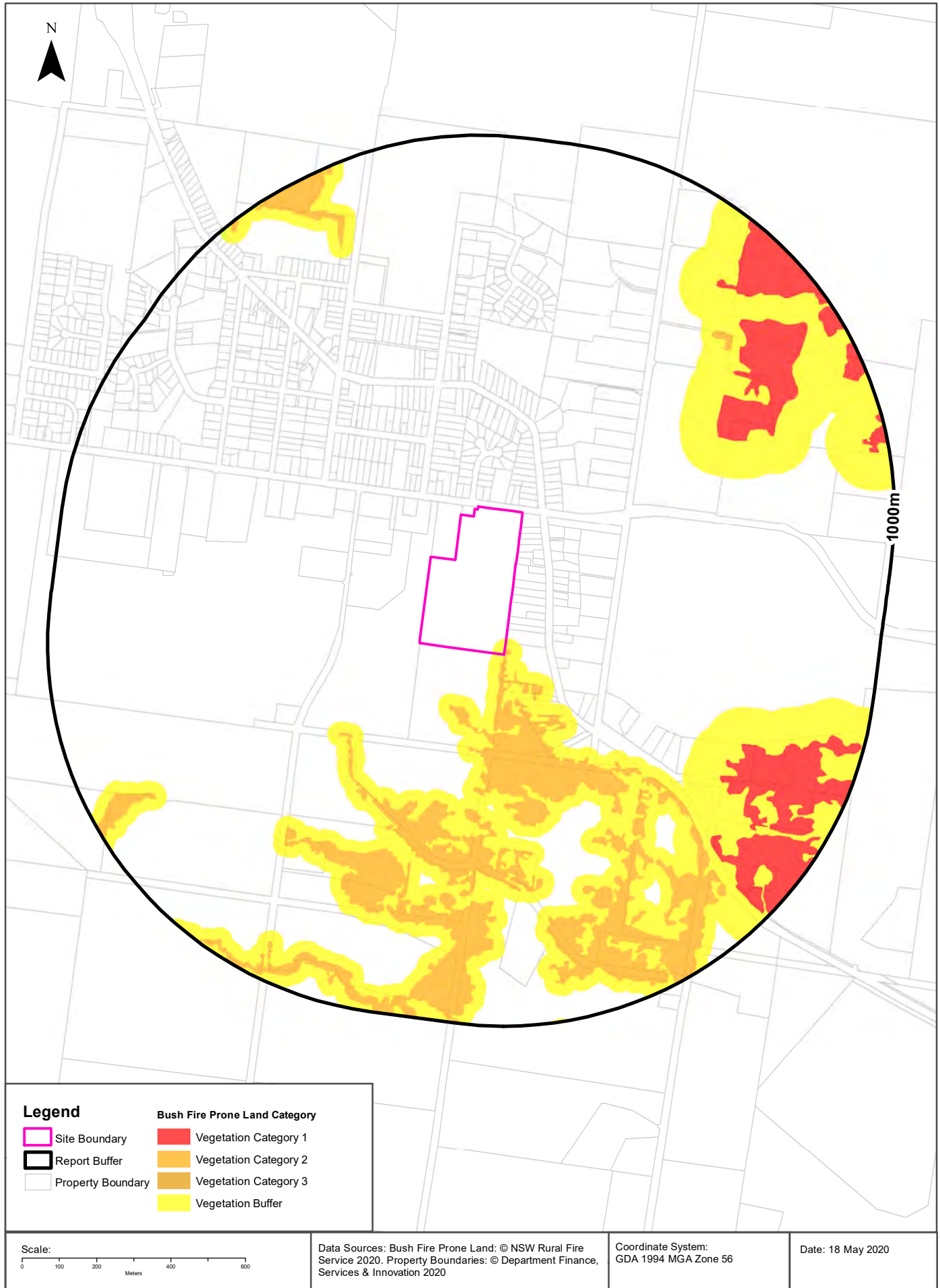
Map Id	Name	Classification	Significance	EPI Name	Published Date	Commenced Date	Currency Date	Distance	Direction
273	Two storey Rendered Masonry Post Office	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	731m	North West
275	Inter-war Rendered Masonry and Fibro Hall	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	735m	North West
304	Victorian Rendered Masonry School and Schoolmaster's Cottage	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	749m	North West
269	"Wynella" - Victorian Weatherboard Residence	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	755m	North
272	Federation Rendered Masonry Courthouse and Police Station	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	758m	North West
276	Victorian Classical style Rendered Masonry Town Hall	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	764m	North West
270	Federation Weatherboard Residence	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	770m	North West
274	Victorian Georgian style Residence and Bakehouse	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	779m	North West
314	"Applegarth" Dairy Farm Complex, including Garden and Cheese press	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	808m	South West
299	Rendered Masonry Commercial Store, including Residence and Trees	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	840m	North West
262	Remnant Rainforest	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	842m	North West
300	Granite Obelisk - War Memorial	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	858m	North West
303	Two storey Victorian former Manse and Graveyard	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	866m	North West
271	"Times Past" (former Federation Weatherboard Farmhouse)	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	975m	North West
302	Avenue of Ficus macrocarpa	Item - General	Local	Shoalhaven Local Environmental Plan 2014	08/04/2014	22/04/2014	20/03/2020	994m	North

Heritage Data Source: NSW Crown Copyright - Planning & Environment

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Natural Hazards - Bush Fire Prone Land

17 Croobyar Road, Milton, NSW 2538



Natural Hazards

17 Croobyar Road, Milton, NSW 2538

Bush Fire Prone Land

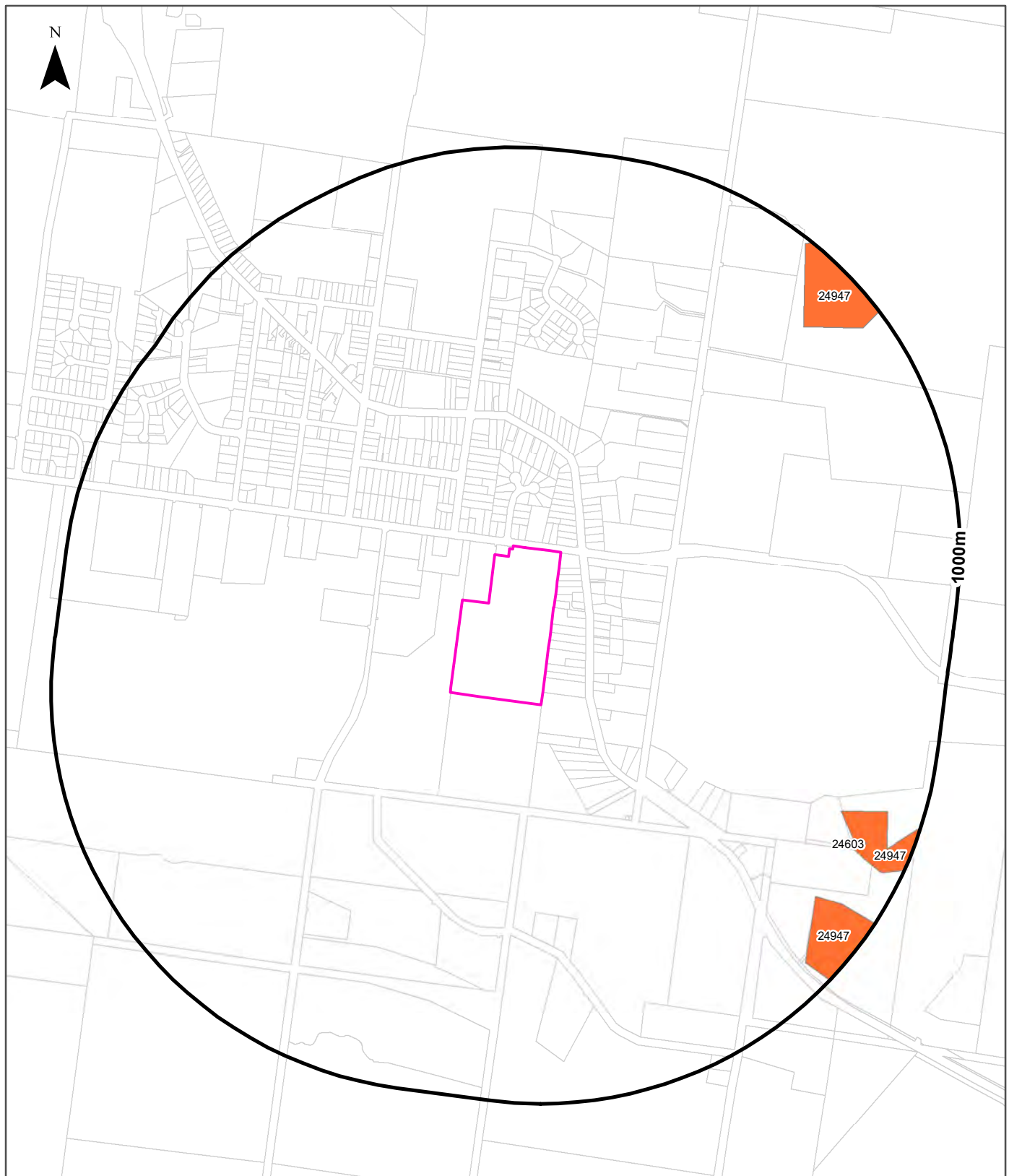
What are the nearest Bush Fire Prone Land Categories that exist within the dataset buffer?

Bush Fire Prone Land Category	Distance	Direction
Vegetation Buffer	0m	Onsite
Vegetation Category 2	0m	Onsite
Vegetation Category 1	560m	North East

NSW Bush Fire Prone Land - © NSW Rural Fire Service under Creative Commons 4.0 International Licence

Ecological Constraints - Vegetation of the Southern Forests

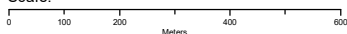
17 Croobyar Road, Milton, NSW 2538



Legend

Site Boundary	01 Rainforests	06 Grassy Woodlands/Grasslands	11 Riparian Forests
Report Buffer	02 Wet Sclerophyll Forests	07 Dry Shrubby Forests	12 Sub-alpine Low Forests
Property Boundary	03 Ash Eucalypt Forests	08 Heath Forests, Mallee Low Forests, and Heathlands	13 Alpine/Sub-alpine Complex
Ramsar Wetlands	04 Montane Tableland Forests	09 Swamp Forests, Wet Heaths, & Sedgelands	14 Coastal Complex
	05 Dry Grass/Shrub Forests	10 Vegetation on Rock Outcrops / Screens	15 Wetlands

Scale:



Data Sources: Property Boundaries & Topographic Data:
© Department Finance, Services & Innovation 2020

Coordinate System:
GDA 1994 MGA Zone 56

Date: 18 May 2020

Ecological Constraints

17 Croobyar Road, Milton, NSW 2538

Vegetation of the Southern Forests

What vegetation of the Southern Forests exists within the dataset buffer?

Map Id	Veg Code	Formation	Class	Group	Distance	Direction
24947	2	07 Dry Shrubby Forests	07a SC Hinterland Dry Shrub Forests	Coastal Lowland Dry Shrub Forest	795m	North East
24603	2	07 Dry Shrubby Forests	07a SC Hinterland Dry Shrub Forests	Coastal Lowland Dry Shrub Forest	825m	South East

Vegetation of the Southern Forests: NSW Office of Environment and Heritage
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Ramsar Wetlands

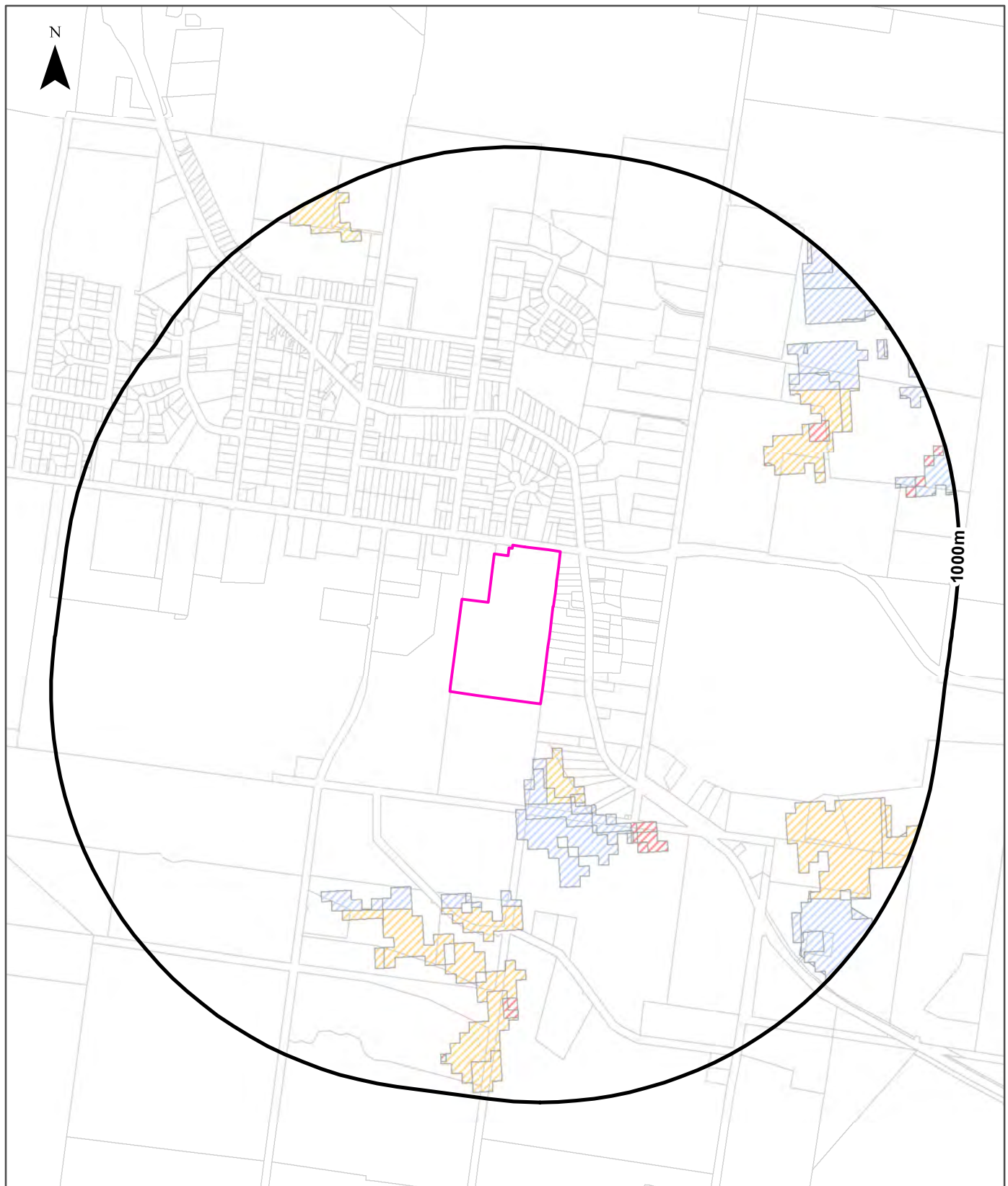
What Ramsar Wetland areas exist within the dataset buffer?

Map Id	Ramsar Name	Wetland Name	Designation Date	Source	Distance	Direction
N/A	No records in buffer					

Ramsar Wetlands Data Source: © Commonwealth of Australia - Department of Environment

Ecological Constraints - Groundwater Dependent Ecosystems Atlas

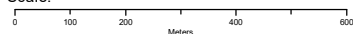
17 Croobyar Road, Milton, NSW 2538



Legend

Site Boundary	High potential GDE - from national assessment	Low potential GDE - from national assessment
Report Buffer	High potential GDE - from regional studies	Low potential GDE - from regional studies
Property Boundaries	Moderate potential GDE - from national assessment	Known GDE - from regional studies
	Moderate potential GDE - from regional studies	Unclassified potential GDE - from national assessment
		Unclassified potential GDE - from regional studies

Scale:



Data Sources: Property Boundaries & Topographic Data:
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Coordinate System:
GDA 1994 MGA Zone 56

Date: 18 May 2020

Ecological Constraints

17 Croobyar Road, Milton, NSW 2538

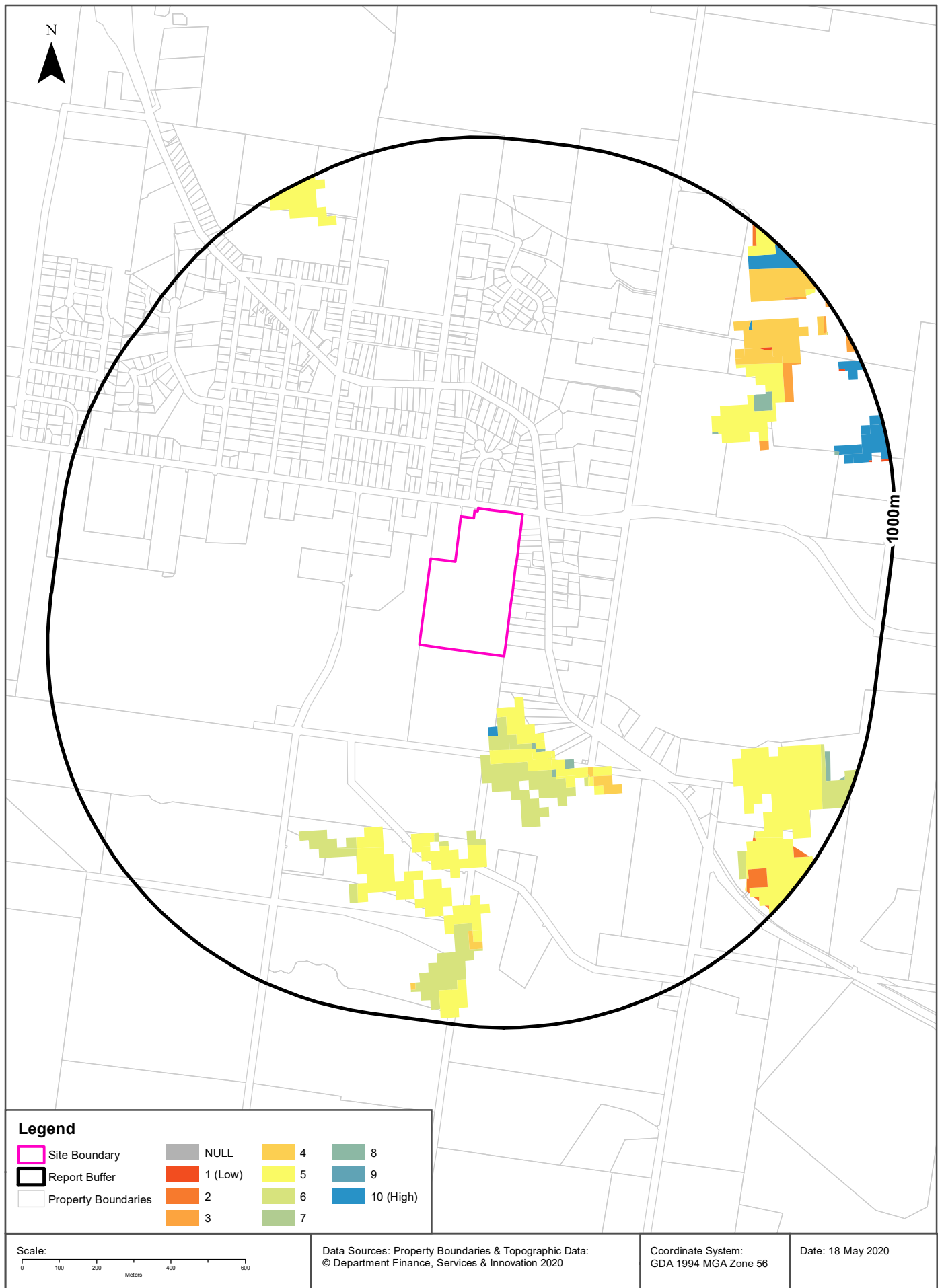
Groundwater Dependent Ecosystems Atlas

Type	GDE Potential	Geomorphology	Ecosystem Type	Aquifer Geology	Distance
Terrestrial	Moderate potential GDE - from regional studies	Deeply dissected steeply sloping plateau margin in metamorphics and granite. Bounded in the west by the Great Escarpment.	Vegetation		114m
Terrestrial	Low potential GDE - from regional studies	Deeply dissected steeply sloping plateau margin in metamorphics and granite. Bounded in the west by the Great Escarpment.	Vegetation		137m
Terrestrial	High potential GDE - from regional studies	Deeply dissected steeply sloping plateau margin in metamorphics and granite. Bounded in the west by the Great Escarpment.	Vegetation		374m

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

17 Croobyar Road, Milton, NSW 2538



Ecological Constraints

17 Croobyar Road, Milton, NSW 2538

Inflow Dependent Ecosystems Likelihood

Type	IDE Likelihood	Geomorphology	Ecosystem Type	Aquifer Geology	Distance
Terrestrial	5	Deeply dissected steeply sloping plateau margin in metamorphics and granite. Bounded in the west by the Great Escarpment.	Vegetation		114m
Terrestrial	6	Deeply dissected steeply sloping plateau margin in metamorphics and granite. Bounded in the west by the Great Escarpment.	Vegetation		162m
Terrestrial	10	Deeply dissected steeply sloping plateau margin in metamorphics and granite. Bounded in the west by the Great Escarpment.	Vegetation		189m
Terrestrial	8	Deeply dissected steeply sloping plateau margin in metamorphics and granite. Bounded in the west by the Great Escarpment.	Vegetation		244m
Terrestrial	4	Deeply dissected steeply sloping plateau margin in metamorphics and granite. Bounded in the west by the Great Escarpment.	Vegetation		374m
Terrestrial	3	Deeply dissected sandstone plateaus.	Vegetation		660m
Terrestrial	1	Deeply dissected sandstone plateaus.	Vegetation		776m
Terrestrial	2	Deeply dissected steeply sloping plateau margin in metamorphics and granite. Bounded in the west by the Great Escarpment.	Vegetation		828m
Terrestrial	9	Deeply dissected steeply sloping plateau margin in metamorphics and granite. Bounded in the west by the Great Escarpment.	Vegetation		917m

Inflow Dependent Ecosystems Likelihood Data Source: The Bureau of Meteorology
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Ecological Constraints

17 Croobyar Road, Milton, NSW 2538

NSW BioNet Atlas

Species on the NSW BioNet Atlas that have a NSW or federal conservation status, a NSW sensitivity status, or are listed under a migratory species agreement, and are within 10km of the site?

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Amphibia	Heleioporus australiacus	Giant Burrowing Frog	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Amphibia	Litoria aurea	Green and Golden Bell Frog	Endangered	Not Sensitive	Vulnerable	
Animalia	Amphibia	Mixophyes balbus	Stuttering Frog	Endangered	Category 2	Vulnerable	
Animalia	Aves	Actitis hypoleucos	Common Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Anthochaera phrygia	Regent Honeyeater	Critically Endangered	Not Sensitive	Critically Endangered	
Animalia	Aves	Apus pacificus	Fork-tailed Swift	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Ardea ibis	Cattle Egret	Not Listed	Not Sensitive	Not Listed	CAMBA;JAMBA
Animalia	Aves	Ardenna pacificus	Wedge-tailed Shearwater	Not Listed	Not Sensitive	Not Listed	JAMBA
Animalia	Aves	Ardenna tenuirostris	Short-tailed Shearwater	Not Listed	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Arenaria interpres	Ruddy Turnstone	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Artamus cyanopterus cyanopterus	Dusky Woodswallow	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Calidris melanotos	Pectoral Sandpiper	Not Listed	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Calidris ruficollis	Red-necked Stint	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Callocephalon fimbriatum	Gang-gang Cockatoo	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Calyptorhynchus lathamii	Glossy Black-Cockatoo	Vulnerable	Category 2	Not Listed	
Animalia	Aves	Charadrius mongolus	Lesser Sandplover	Vulnerable	Not Sensitive	Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Charadrius veredus	Oriental Plover	Not Listed	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Climacteris picumnus victoriae	Brown Treecreeper (eastern subspecies)	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Daphoenositta chrysoptera	Varied Sittella	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Diomedea exulans	Wandering Albatross	Endangered	Not Sensitive	Endangered	JAMBA
Animalia	Aves	Diomedea gibsoni	Gibson's Albatross	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Aves	Egretta sacra	Eastern Reef Egret	Not Listed	Not Sensitive	Not Listed	CAMBA
Animalia	Aves	Epthianura albifrons	White-fronted Chat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Glossopsitta pusilla	Little Lorikeet	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Grus rubicunda	Brolga	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Haematopus fuliginosus	Sooty Oystercatcher	Vulnerable	Not Sensitive	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Aves	Haematopus longirostris	Pied Oystercatcher	Endangered	Not Sensitive	Not Listed	
Animalia	Aves	Haliaeetus leucogaster	White-bellied Sea-Eagle	Vulnerable	Not Sensitive	Not Listed	CAMBA
Animalia	Aves	Hieraaetus morphnoides	Little Eagle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Hirundapus caudacutus	White-throated Needletail	Not Listed	Not Sensitive	Vulnerable	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Hydroprogne caspia	Caspian Tern	Not Listed	Not Sensitive	Not Listed	CAMBA;JAMBA
Animalia	Aves	Ixobrychus flavicollis	Black Bittern	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Lathamus discolor	Swift Parrot	Endangered	Category 3	Critically Endangered	
Animalia	Aves	Limosa lapponica	Bar-tailed Godwit	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Lophoictinia isura	Square-tailed Kite	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Macronectes giganteus	Southern Giant Petrel	Endangered	Not Sensitive	Endangered	
Animalia	Aves	Ninox connivens	Barking Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Ninox strenua	Powerful Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Numenius madagascariensis	Eastern Curlew	Not Listed	Not Sensitive	Critically Endangered	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Numenius phaeopus	Whimbrel	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Onychoprion fuscata	Sooty Tern	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Pandion cristatus	Eastern Osprey	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Petroica boodang	Scarlet Robin	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Petroica rodinogaster	Pink Robin	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Pezoporus wallicus wallicus	Eastern Ground Parrot	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Phaethon lepturus	White-tailed Tropicbird	Not Listed	Not Sensitive	Not Listed	CAMBA;JAMBA
Animalia	Aves	Pluvialis squatarola	Grey Plover	Not Listed	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Polytelis anthopeplus monarchoides	Regent Parrot (eastern subspecies)	Endangered	Category 3	Vulnerable	
Animalia	Aves	Ptilinopus superbus	Superb Fruit-Dove	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Stercorarius parasiticus	Arctic Jaeger	Not Listed	Not Sensitive	Not Listed	ROKAMBA;JAMBA
Animalia	Aves	Sternula albifrons	Little Tern	Endangered	Not Sensitive	Not Listed	ROKAMBA;CAMBA; JAMBA
Animalia	Aves	Stictonetta naevosa	Freckled Duck	Vulnerable	Not Sensitive	Not Listed	
Animalia	Aves	Thalassarche cauta	Shy Albatross	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Aves	Thalassarche melanophris	Black-browed Albatross	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Aves	Thinornis rubricollis	Hooded Plover	Critically Endangered	Not Sensitive	Vulnerable	
Animalia	Aves	Tyto novaehollandiae	Masked Owl	Vulnerable	Category 3	Not Listed	
Animalia	Aves	Tyto tenebricosa	Sooty Owl	Vulnerable	Category 3	Not Listed	
Animalia	Mammalia	Arctocephalus forsteri	New Zealand Fur-seal	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Arctocephalus pusillus doriferus	Australian Fur-seal	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Cercartetus nanus	Eastern Pygmy-possum	Vulnerable	Not Sensitive	Not Listed	

Kingdom	Class	Scientific	Common	NSW Conservation Status	NSW Sensitivity Class	Federal Conservation Status	Migratory Species Agreements
Animalia	Mammalia	Dasyurus maculatus	Spotted-tailed Quoll	Vulnerable	Not Sensitive	Endangered	
Animalia	Mammalia	Eubalaena australis	Southern Right Whale	Endangered	Not Sensitive	Endangered	
Animalia	Mammalia	Falsistrellus tasmaniensis	Eastern False Pipistrelle	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Isodon obesulus obesulus	Southern Brown Bandicoot (eastern)	Endangered	Not Sensitive	Endangered	
Animalia	Mammalia	Kerivoula papuensis	Golden-tipped Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Megaptera novaeangliae	Humpback Whale	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Miconomus norfolkensis	Eastern Coastal Free-tailed Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Miniopterus orianae oceanensis	Large Bent-winged Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Myotis macropus	Southern Myotis	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Petauroides volans	Greater Glider	Not Listed	Not Sensitive	Vulnerable	
Animalia	Mammalia	Petaurus australis	Yellow-bellied Glider	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Petaurus norfolkensis	Squirrel Glider	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Phascogale cinerea	Koala	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Physeter macrocephalus	Sperm Whale	Vulnerable	Not Sensitive	Not Listed	
Animalia	Mammalia	Potorous tridactylus	Long-nosed Potoroo	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Pteropus poliocephalus	Grey-headed Flying-fox	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Mammalia	Scoteanax rueppellii	Greater Broad-nosed Bat	Vulnerable	Not Sensitive	Not Listed	
Animalia	Reptilia	Caretta caretta	Loggerhead Turtle	Endangered	Not Sensitive	Endangered	
Animalia	Reptilia	Chelonia mydas	Green Turtle	Vulnerable	Not Sensitive	Vulnerable	
Animalia	Reptilia	Eretmochelys imbricata	Hawksbill Turtle	Not Listed	Not Sensitive	Vulnerable	
Plantae	Flora	Amperea xiphoclada var. pedicellata		Presumed Extinct	Not Sensitive	Extinct	
Plantae	Flora	Budawangia gnidioides	Budawangs Cliff-heath	Vulnerable	Not Sensitive	Vulnerable	
Plantae	Flora	Caladenia tessellata	Thick Lip Spider Orchid	Endangered	Category 2	Vulnerable	
Plantae	Flora	Cryptostylis hunteriana	Leafless Tongue Orchid	Vulnerable	Category 2	Vulnerable	
Plantae	Flora	Rhodamnia rubescens	Scrub Turpentine	Critically Endangered	Not Sensitive	Not Listed	
Plantae	Flora	Syzygium paniculatum	Magenta Lilly Pilly	Endangered	Not Sensitive	Vulnerable	
Plantae	Flora	Thesium australe	Austral Toadflax	Vulnerable	Not Sensitive	Vulnerable	

Data does not include NSW category 1 sensitive species.

NSW BioNet: © State of NSW and Office of Environment and Heritage

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LC Code	Location Confidence
Premise match	Georeferenced to the site location / premise or part of site
General area or suburb match	Georeferenced with the confidence of the general/approximate area
Road match	Georeferenced to the road or rail
Road intersection	Georeferenced to the road intersection
Feature is a buffered point	Feature is a buffered point
Land adjacent to geocoded site	Land adjacent to Georeferenced Site
Network of features	Georeferenced to a network of features

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Level 14, 135 King Street, Sydney
Sydney 2000
GPO Box 4103 Sydney NSW 2001
DX 967 Sydney

Summary of Owners Report

Address: - 17 Croobyar Road, Milton

Description: - Lot 200 D.P. 1192140

As regards the whole of the subject land

Note: -
A search was conducted in the Old System Purchasers Index from 1896 (commencement of the index) to 1930 against John Porter. The purchase Conveyance to John Porter is prior to 1896.

In view of this, we have commenced searches against John Porter from 1st January 1896.

A Mortgage of the land Book 612 No. 141 dated 23rd December 1897, by John Porter was found.

<u>Date of Acquisition and term held</u>	<u>Registered Proprietor(s) & Occupations where available</u>	<u>Reference to Title at Acquisition and sale</u>
01.01.1896 (1896 to 1937)	John Porter (Farmer)	(Book 612 No. 141)
21.10.1937 (1937 to 1950)	Gordon Hargraves Porter (Shire Clerk)	Book 1795 No. 875

Continued as regards the part numbered (1) on the attached Cadastral Records Enquiry Report

<u>Date of Acquisition and term held</u>	<u>Registered Proprietor(s) & Occupations where available</u>	<u>Reference to Title at Acquisition and sale</u>
25.08.1950 (1950 to 1991)	Henry Porter (Farmer) (& His deceased estate)	Book 2153 No. 302 Now 2/811690
02.10.1991 (1991 to 1997)	The Milton Ulladulla Christian Parent Controlled School Association Limited	2/811690
30.09.1997 (1997 to 2011)	Sydney Anglican Schools Limited	2/811690 Now 2/1105993
21.01.2011 (2011 to 2018)	Sydney Anglican Schools Corporation Now Anglican Schools Corporation	2/1105993 Now 200/1192140



ABN: 36 092 724 251
 Ph: 02 9099 7400
 (Ph: 0412 199 304)

Level 14, 135 King Street, Sydney
 Sydney 2000
 GPO Box 4103 Sydney NSW 2001
 DX 967 Sydney

Continued as regards the part numbered (2) on the attached Cadastral Records Enquiry Report

<u>Date of Acquisition and term held</u>	<u>Registered Proprietor(s) & Occupations where available</u>	<u>Reference to Title at Acquisition and sale</u>
25.08.1950 (1950 to 1999)	Henry Porter (Farmer) (& His deceased estate)	Book 2153 No. 302 Now 5/1003099
30.06.1999 (1999 to 2011)	Sydney Anglican Schools Limited	5/1003099 Now 2/1105993
21.01.2011 (2011 to 2018)	Sydney Anglican Schools Corporation Now Anglican Schools Corporation	2/1105993 Now 200/1192140

Continued as regards the part numbered (3) on the attached Cadastral Records Enquiry Report

<u>Date of Acquisition and term held</u>	<u>Registered Proprietor(s) & Occupations where available</u>	<u>Reference to Title at Acquisition and sale</u>
25.08.1950 (1950 to 1991)	Henry Porter (Farmer) (& His deceased estate)	Book 2153 No. 302 Now 4/811690
18.09.1991 (1991 to 1993)	Robert John Veitch (Surveyor) Annette Gai Veitch (Teacher) Ronald Edmund Reiman (Bricklayer) Heather Jeanette Reiman (Teacher)	4/811690
14.04.1993 (1993 to 2001)	Robert John Veitch (Surveyor) Annette Gai Veitch (Teacher)	4/811690
20.12.2002 (2001 to 2011)	Sydney Anglican Schools Limited	4/811690
21.01.2011 (2011 to 2018)	Sydney Anglican Schools Corporation Now Anglican Schools Corporation	4/811690 Now 2/1105993

Continued as regards the whole of the subject land

<u>Date of Acquisition and term held</u>	<u>Registered Proprietor(s) & Occupations where available</u>	<u>Reference to Title at Acquisition and sale</u>
27.08.2018 (2018 to date)	# Minister for Education	2/1105993

Denotes current registered proprietor



ABN: 36 092 724 251
Ph: 02 9099 7400
(Ph: 0412 199 304)

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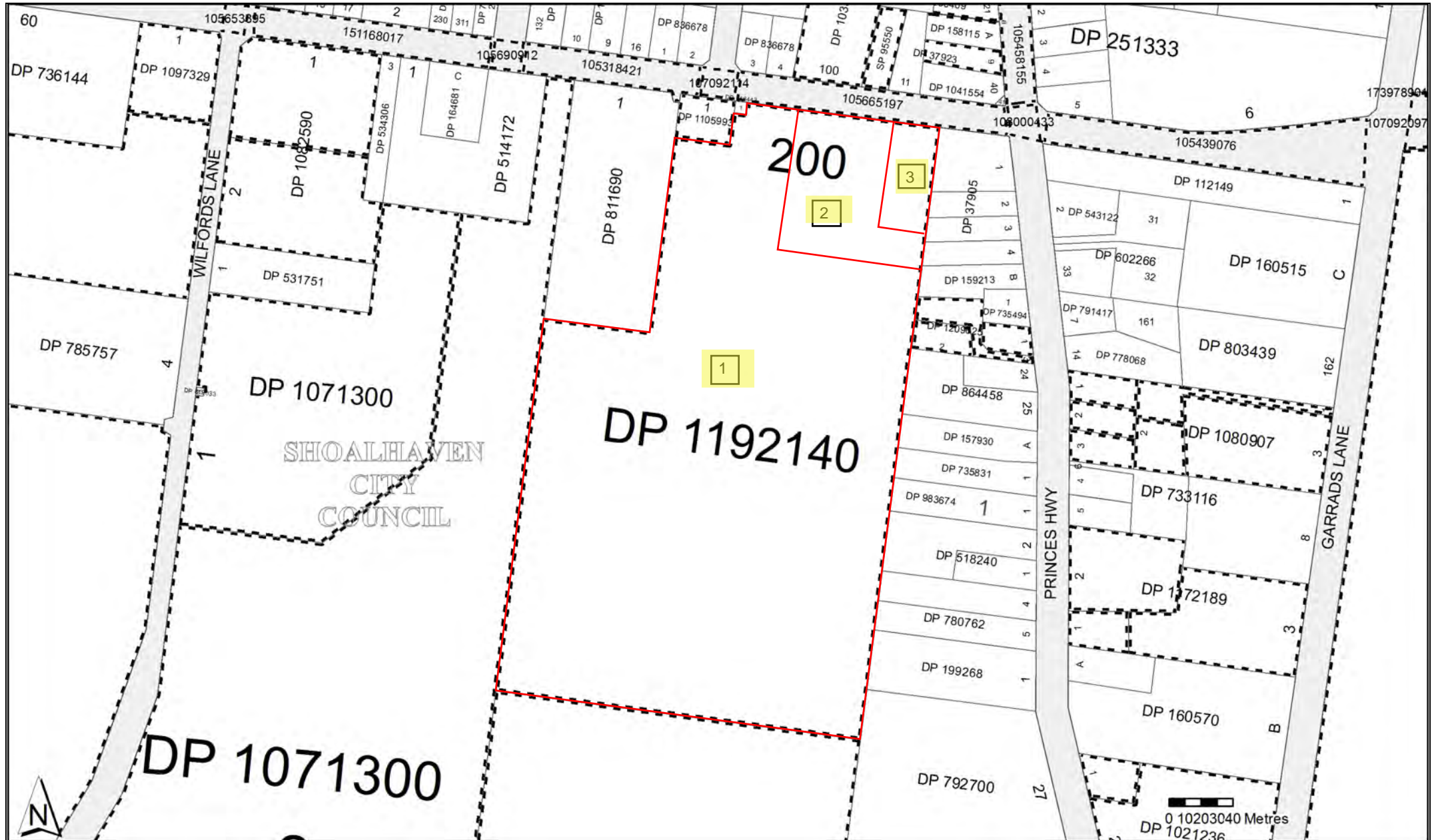
Leases, as regards the whole of the subject land: -

- 14.05.1931 (Book 1627 No. 254) to Ulladulla Refrigerating Butter Company Limited, of part, also right to all water issuing from Porters Well and right to enter use and occupy certain shed – term of ten years
- 19.11.1937 (Book 1801 No. 139) to Ulladulla Refrigerating Butter Company Limited, of right to all water issuing from Porters Well and right to enter use and occupy certain shed – cancelled 25.09.1947 (Book 2034 No. 700)
- 05.12.1938 (Book 1833 No. 294) to Walter Pembroke (Dairyman) – Term of 5 years, also 5 year option
- 15.10.1947 (Book 2034 No. 701) to South Coast Food Products Pty Limited, of right to all water issuing from Porters Well and right to enter use and occupy certain shed – for ten years, also 5 year option

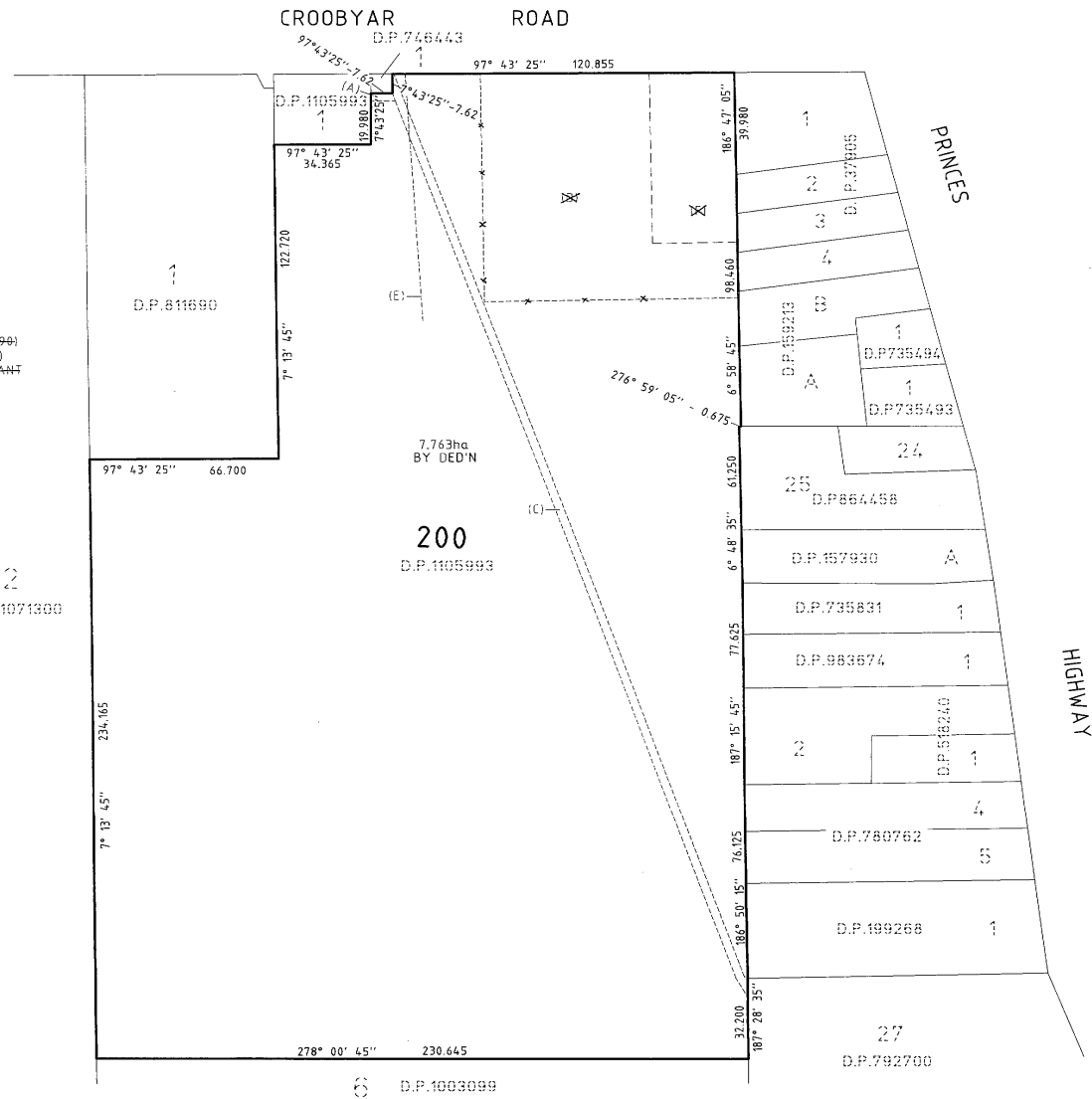
Easements, as regards the whole of the subject land: -

- 05.09.1991 (D.P. 811690) Easement to Pump Sewage 3 metres wide
- 29.08.2001 (D.P. 1022218) Easement for Overhead Power Lines 9 metres wide
- 22.06.2007 (AD 70414) Easement for Drainage of Sewage 3 metres wide

Yours Sincerely
Mark Groll
7 March 2020



- (A) SEWERAGE EASEMENT 3 WIDE (D.P.1105993)
- (B) EASEMENT TO DRAIN WATER 3 WIDE (D.P.811690)
- (C) EASEMENT TO PUMP SEWAGE 3 WIDE (D.P.811690)
- (D) BENEFITED BY EASEMENT TO DRAIN WATER 3 WIDE (D.P.811690)
- (E) EASEMENT FOR OVERHEAD POWER LINES 9 WIDE (D.P.1022218)
- (F) DENOTES RESERVATIONS AND CONDITIONS IN THE CROWN GRANT AND RESTRICTIONS ON THE USE OF LAND (D.P.811690)



Reg: R089426 / Doc: DP 1192140 P / Rev: 06-Jan-2014 / NSW LRS / Pgs: ALL / Pct: 21-May-2020 15:11 / Seq: 1 of 3
 © Office of the Registrar-General / Sec: INFOTRACK / Ref: INFOTRACK 17 Croobyar Rd

Plans Book 8055 Plan 24-12-13

Surveyor : PHILLIP JOHN BROWN
 Date of Survey : 25th MAY 2013
 Surveyor's Ref : 4172DP
 Ref File 2013M7100(671)Comp

PLAN OF CONSOLIDATION OF
 LOT 2 D.P.1105993 AND
 LOT 4 D.P.811690.

LGA: SHOALHAVEN
 Locality : MILTON
 Subdivision No: —
 Lengths are in metres. Reduction Ratio 1:200

Registered
 6.1.2014


 DP1192140 P



10	20	30	40	50	Table of mm	90	100	110	120	130	140
----	----	----	----	----	-------------	----	-----	-----	-----	-----	-----

InfoTrack P.B.

PLAN FORM 6 (2012)

WARNING: Creasing or folding will lead to rejection

DEPOSITED PLAN ADMINISTRATION SHEET Sheet 1 of 2 sheet(s)


<p style="text-align: right;">Office Use Only</p> <p>Registered  6.1.2014</p> <p>Title System: TORRENS</p> <p>Purpose: CONSOLIDATION</p>	<p style="text-align: right;">Office Use Only</p>  <p>DP1192140 S</p>
<p>PLAN OF CONSOLIDATION OF LOT 2 D.P.1105993 AND LOT 4 D.P.811690.</p>	<p>L G A SHOALHAVEN</p> <p>Locality: MILTON</p> <p>Parish: ULLADULLA</p> <p>County: ST. VINCENT</p>
<p style="text-align: center;">Crown Lands NSW/Western Lands Office Approval</p> <p>I (Authorised Officer) in approving this plan certify that all necessary approvals in regard to the allocation of the land shown hereon have been given.</p> <p>Signature:</p> <p>Date:</p> <p>File No.:</p> <p>Office:</p>	<p style="text-align: center;">Survey Certificate</p> <p>I, <u>PHILLIP JOHN BROWN</u> of <u>100 PRINCES HIGHWAY MILTON NSW 2538</u> a surveyor registered under the Surveying and Spatial Information Act 2002, certify that:</p> <p>*(a) The land shown in the plan was surveyed in accordance with the Surveying and Spatial Information Regulation 2012, is accurate and the survey was completed on.....</p> <p>*(b) The part of the land shown in the plan (*being/*excluding ^ ) was surveyed in accordance with the Surveying and Spatial Information Regulation 2012, is accurate and the survey was completed on.....the part not surveyed was compiled</p> <p>*(c) The land shown in the plan was compiled in accordance with the Surveying and Spatial Information Regulation 2012.</p> <p>(Signature).....<i>Philip Brown</i>.....Dated: <u>15/5/13</u></p> <p>Surveyor I.D. 1230</p> <p>Datum Line:</p> <p>Type: Urban/Rural</p> <p>The terrain is *Level-Undulating / *Steep Mountainous.</p> <p>* Strike through if inapplicable.</p> <p>^ Specify the land actually surveyed or specify any land shown in the plan that is not the subject of the survey.</p>
<p style="text-align: center;">Subdivision Certificate</p> <p>I *Authorised Person/*General Manager/*Accredited Certifier, certify that the provisions of s.109J of the Environmental Planning and Assessment Act 1979 have been satisfied in relation to the proposed subdivision, new road or reserve set out herein.</p> <p>Signature:</p> <p>Accreditation no:</p> <p>Consent Authority:</p> <p>Date of endorsement:</p> <p>Subdivision Certificate number:</p> <p>File number:SF.....</p> <p>* Strike through if inapplicable.</p>	<p>Statements of intention to dedicate public roads, public reserves and drainage reserves.</p> <p>Plans used in preparation of survey/compilation.</p> <p>D.P. 1105993 D.P. 811690</p> <p style="text-align: center;">If space is insufficient continue on PLAN FORM 6A</p>
<p>Signatures, Seals and Section 88B Statements should appear on PLAN FORM 6A</p>	<p>Surveyors Reference: 4172DP Ph 02 44540842</p>

*OFFICE USE ONLY

PLAN FORM 6A (2012)

WARNING: Creasing or folding will lead to rejection

DEPOSITED PLAN ADMINISTRATION SHEET Sheet 2 of 2 sheet(s)

Office Use Only	Office Use Only
Registered:  6.1.2014	<h1>DP1192140</h1>
PLAN OF CONSOLIDATION OF LOT 2 D.P.1105993 AND LOT 4 D.P.811690.	
Subdivision Certificate No:..... Date of Endorsement:.....	This sheet is for the provision of the following information as required: A schedule of lots and addresses - See 60(c) SSI Regulation 2012 Statements of intention to create and release affecting interests in accordance with Section 88B Conveyancing Act 1919 Signatures and seals- see 195D Conveyancing Act 1919 Any information which cannot fit in the appropriate panel of sheet 1 of the administration sheets.

LOT	STREET NUMBER	STREET NAME	STREET TYPE	LOCALITY
200	5 & 17	CROOBYAR	ROAD	MILTON

PURSUANT TO SECTION 88B OF THE
CONVEYANCING ACT 1919 AS AMENDED
IT IS INTENDED TO RELEASE:

JAC ~~1~~ ~~RIGHT OF CARRIAGEWAY (D.P.1062588)~~
 1 ~~2~~ ~ EASEMENT TO DRAIN WATER 3 WIDE
 CREATED BY D.P.811690

SYDNEY ANGLICAN SCHOOLS
CORPORATION (ACN 63 544 529 806)



JOHN CHALMERS
CHIEF OPERATING OFFICER
POWER OF ATTORNEY BOOK 4613 N°419

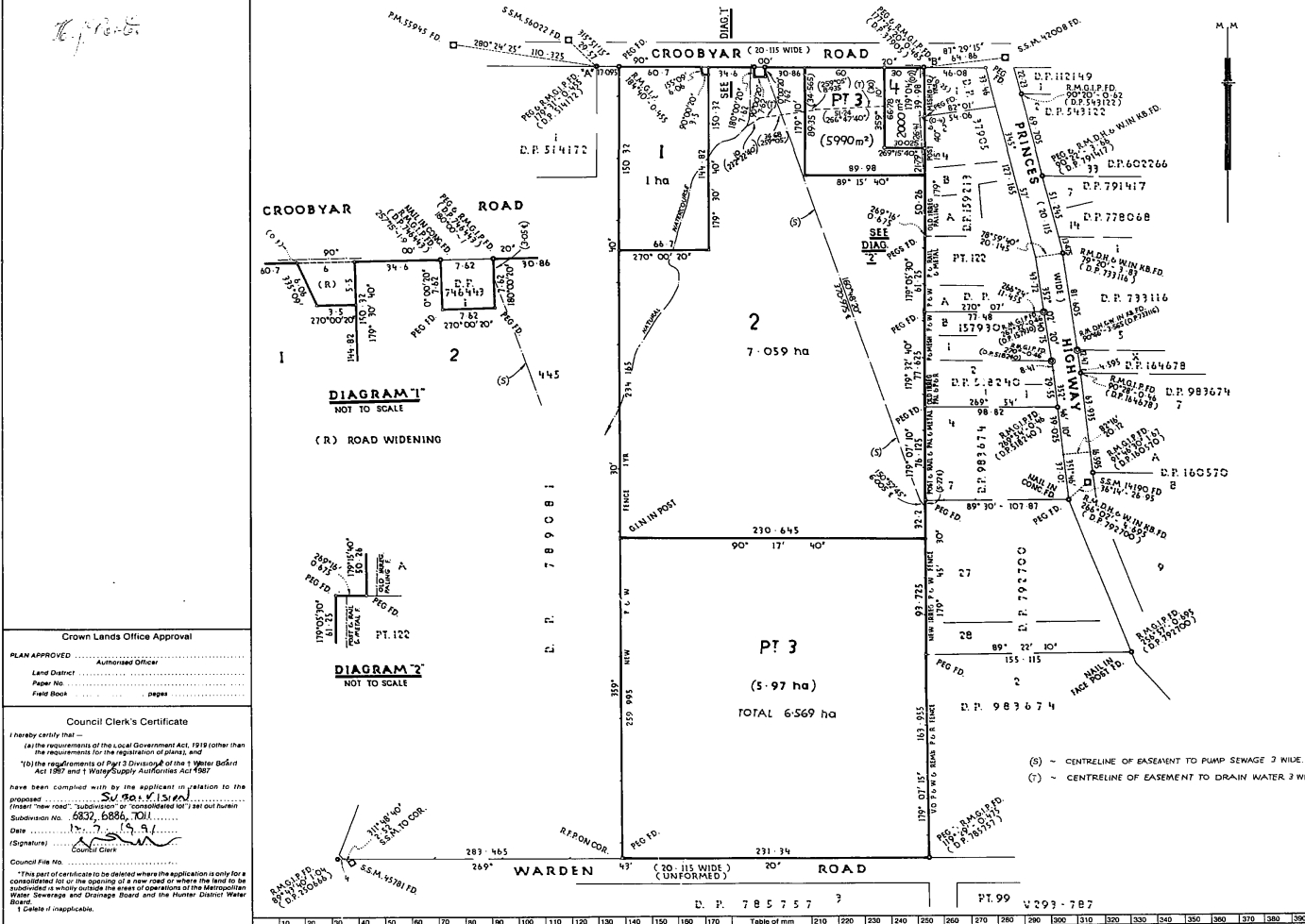
J K Apperley
JESSICA KATE APPERLEY
LEVEL 1, 420 FOREST ROAD
MORSTVILLE NSW 2220

If space is insufficient use additional annexure sheet

SURVEYOR'S REFERENCE: 4172DP Ph 02 44540842

PLAN FORM 2

SIGNATURES, SEALS AND STATEMENTS of intention to dedicate public roads or to create reserves, drainage reserves, easements, restrictions on the use of land or positive covenants.



Crown Lands Office Approval

PLAN APPROVED
 Land District
 Paper No.
 Field Book pages

Council Clerk's Certificate

I hereby certify that:
 (a) the requirements of the Local Government Act, 1919 (other than the requirements for the registration of plans); and
 (b) the requirements of Part 3 Division 8 of the Water Board Act 1987 and 4 Water Supply Authorities Act 1987
 have been complied with by the applicant in relation to the proposed
 Subdivision No. 6832, 6886, 7011
 Date 19.9.91
 (Signatures) Council Clerk

Council File No.
 *This part of certificate to be deleted where the application is only for a consolidated lot or the opening of a new road or where the land to be subdivided is wholly situated in the area of operations of the Metropolitan Water Sewerage and Drainage Board and the Hunter District Water Board.
 † Delete if inapplicable.

SURVEYOR'S REFERENCE: U 6916

WARNING: CREASING OR FOLDING WILL LEAD TO REJECTION

DP 811690

Registered: 14.5.9.1991
 C.A: 6832, 6886, 7011 OF 12.7.1991
 Title System: OLD SYSTEM
 Purpose: SUBDIVISION
 Ref. Map: W 4687-7, 81 #
 Last Plan:

PLAN OF SUBDIVISION OF PT. LOT 121, D.P. 755967

Lengths are in metres. Reduction Ratio 1:2000

Municipality: SHOALHAVEN
Locality: MILTON
Parish: ULLADULLA
County: ST. VINCENT

This is sheet 1 of my plan in sheets. (Delete if inapplicable).

J. GRAHAM ALAN BEASLEY
of R.W. RYGADE & WEST, ULLADULLA
 a surveyor registered under the Surveyors Act, 1925, as amended, hereby certifies that the survey represented in this plan is accurate and has been made in accordance with the Survey Act, 1925, and the regulations made thereunder, and that the plan is a true and correct copy of the original plan as deposited in the Department of Lands, and was completed on 25.8.1990

Signature: [Signature]
 Deputation Line of Authority: [Signature]
 Date: 19.9.91

Plans used in preparation of survey/compilation:
 D.P.s 37905, 157910, 159113, 160320, 164678, 514112, 543122, 518240, 133166, 746443, 783757, 791117, 792700, 983474, 755967

PANEL FOR USE ONLY for statements of intention to dedicate public roads or to create public reserves, drainage reserves, easements or restrictions as to user

IT IS INTENDED

1. TO DEDICATE THE ROAD WIDENING TO THE PUBLIC AS ROAD
2. PURSUANT TO SEC 88B OF THE CONVEYANCING ACT, 1919, TO CREATE:
 - (i) EASEMENT TO DRAIN WATER 3 WIDE.
 - (ii) RESTRICTION ON THE USE OF LAND.
 - (iii) RESTRICTION ON THE USE OF LAND.
 - (iv) RESTRICTION ON THE USE OF LAND.
 - (v) RESTRICTION ON THE USE OF LAND.
 - (vi) EASEMENT TO PUMP SEWAGE 3 WIDE.

AS SET OUT IN THE ACCOMPANYING INSTRUMENT SIGNED BY THE TOWN CLERK.

10	20	30	40	50	60	70	Table of mm	110	120	130	140
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This negative is a photograph made as a permanent record of a document in the custody of the Registrar General this day, 9th September, 1991





SEARCH DATE

21/5/2020 3:16PM

FOLIO: 2/811690

First Title(s): OLD SYSTEM

Prior Title(s): CA51226

Recorded	Number	Type of Instrument	C.T. Issue
-----	-----	-----	-----
16/9/1991	CA51226	CONVERSION ACTION	FOLIO CREATED EDITION 1
2/10/1991	Z959065	TRANSMISSION APPLICATION	
2/10/1991	Z959066	TRANSFER	
2/10/1991	Z959067	MORTGAGE	EDITION 2
4/1/1993	I19148	DISCHARGE OF MORTGAGE	
4/1/1993	I19149	MORTGAGE	EDITION 3
3/6/1996	2204490	CAVEAT	
26/6/1996	2258433	WITHDRAWAL OF CAVEAT	
26/6/1996	2258434	MORTGAGE	EDITION 4
30/9/1997	3452749	DISCHARGE OF MORTGAGE	
30/9/1997	3452750	DISCHARGE OF MORTGAGE	
30/9/1997	3452751	TRANSFER	
30/9/1997	3452752	MORTGAGE	EDITION 5
29/6/1999	DP1003099	DEPOSITED PLAN	FOLIO CANCELLED

*** END OF SEARCH ***

RP3

STAMP DUTY



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959065 T



TRANSMISSION APPLICATION

SECTION 93, REAL PROPERTY ACT, 1900
 (See Instructions for Completion on back of form)

TA

	of		R /
\$			

LAND of which deceased is registered proprietor

DESCRIPTION OF LAND Note (a)

Torrens Title reference	If Part Only, Delete Whole and Give Details	Location
2/811690 Previously part of portion 121.	WHOLE	At Milton Parish of Ulladulla.

LEASE, MORTGAGE, OR CHARGE of which deceased is registered proprietor

REGISTERED DEALING Note (b)

Type of Dealing	Registered Number	Torrens Title Reference



DECEASED REGISTERED PROPRIETOR Note (c)

Henry Porter Late of Milton, New South Wales, Farmer.

Note (d) (the abovenamed DECEASED) is registered as proprietor of the land above described. The APPLICANT abovementioned registered dealing.

APPLICANT Note (e)

Henry John Porter surviving executor, Katherine Lawrence Rixon having died on 5 November 1979.	OFFICE USE ONLY
--	-----------------

Prob. suggested + Rixon 2.00 30.1.69.

ENTITLEMENT Note (f) and (j)

being entitled as surviving Executor of the will/estate of the abovenamed deceased

Probate No 711965

of whose will was granted on 17 June 1971

to Henry John Porter and Katherine Lawrence Rixon.

Prob. Cert. Rixon of K.L. suggested + Rixon

hereby applies to be registered as proprietor of the estate or interest of the said deceased in the land above described.

DATE 20-9-91

I hereby certify this application to be correct for the purposes of the real Property Act, 1900 Signed in my presence by the applicant who is personally known to me.

DOD 5-11-79.

[Signature of Witness]
Signature of Witness

[Signature of Applicant]

EXECUTION Note (g)

PAUL MANSFIELD.
Name of Witness (BLOCK LETTERS)
108 BRONTE ROAD,
Address and Occupation of Witness

Signature of Applicant

BONDI JUNCTION, SOLICITOR.

TO BE COMPLETED BY LODGING PARTY Notes (j) and (k)

LODGED BY **ANZ 208**
MANSFIELD SWITZER, SOLICITOR
108 BRONTE ROAD
BONDI JUNCTION NSW 2022

CT	PROBATE No AND/OR OTHER DATE OF DEATH	LOCATION OF DOCUMENTS
		Herewith.
		In L.T.O. with
	Probate	Produced by

OFFICE USE ONLY

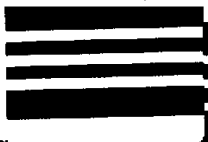
Ref: **Croobyar Ulladulla**
Delivery Box Number

Checked <i>[Signature]</i>	Passed	REGISTERED -19
Signed	Extra Fee	
		02 OCT 1991

Secondary Directions	
Delivery Directions	

RP 13
1985

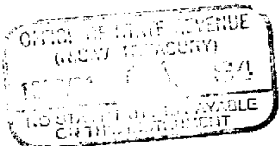
STAMP DUTY



N/A



2
959066 R



TRANSFER
REAL PROPERTY ACT, 1900

T

	of	
\$		

DESCRIPTION OF LAND
Note (a)

Torrens Title Reference

Certificate of Title
Folio Identifier 2/811690

If Part Only, Delete Whole and Give Details

WHOLE

Location

Milton

TRANSFEROR
Note (b)

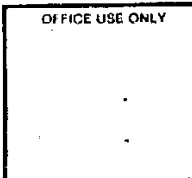
HENRY JOHN PORTER

ESTATE
Note (c)

(the abovenamed TRANSFEROR) hereby acknowledges receipt of the consideration of \$ 190,000.00 and transfers an estate in fee simple in the land above described to the TRANSFEREE

TRANSFEREE
Note (d)

THE MILTON-ULLADULLA CHRISTIAN PARENT CONTROLLED SCHOOL ASSOCIATION LIMITED
C/- Blake Richards, Accountant, 20 Wason Street, Ulladulla



TENANCY
Note (e)

~~as joint tenants/tenants in common~~

PRIOR ENCUMBRANCES
Note (f)

subject to the following PRIOR ENCUMBRANCES 1. 2. 3.

DATE 20-9-91

We hereby certify this dealing to be correct for the purposes of the Real Property Act, 1900.

EXECUTION
Note (g)

Signed in my presence by the transferor who is personally known to me

P Keenan
Signature of Witness

P. KEENAN.
Name of Witness (BLOCK LETTERS)

13 BIMBIDEEN AVE
Address and occupation of Witness

BRODBURY - OFFICE MANAGER.

HJP x *H. J. Porter*
Signature of Transferor

Note (g)

Signed in my presence by the transferee who is personally known to me

.....
Signature of Witness

.....
Name of Witness (BLOCK LETTERS)

.....
Address and occupation of Witness

J C Hozack
10/9/91
Solicitor for Transferee
J C HOZACK

TO BE COMPLETED BY LODGING PARTY
Notes (h) and (i)

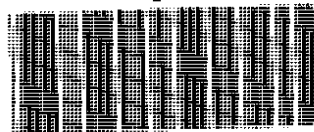
LODGED BY ANZ 205	LOCATION OF DOCUMENTS		
	CT	OTHER	Herewith.
			In L.T.O. with
Delivery Box Number Ulladulla			Produced by
Checked <i>Reagan</i>	Passed	REGISTERED - -19	Secondary Directions
Signed	Extra Fee	02 OCT 1991	Delivery Directions

OFFICE USE ONLY

Form number:
97-01T
Licence number:
10V/0096/95

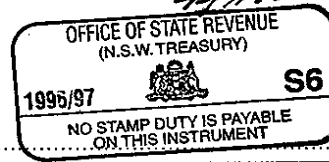
TRANSFER

Real Property Act 1900



3452751 B

Office of St



(A) **LAND TRANSFERRED**

Show no more than 20 References to Title.
If appropriate, specify the share transferred.

Folio Identifier 2/811690

(B) **LODGED BY**

L.T.O. Box 245	Name, Address or DX and Telephone CTB
REFERENCE (max. 15 characters): NSW 296-128 016 793-7093	

(C) **TRANSFEROR**

The Milton Ulladulla Christian Parent Controlled School Association Limited ACN.003.888.551

(D) acknowledges receipt of the consideration of \$700,000.00

and as regards the land specified above transfers to the Transferee an estate in fee simple

(E) subject to the following **ENCUMBRANCES** 1. 2. 3.

(F) **TRANSFEEE**

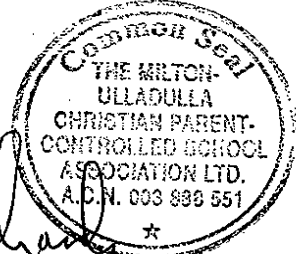
T TS (s713 LGA) TW (Sheriff)	Sydney Anglican Schools Limited ACN 076 452 974
(G)	TENANCY: S

(H) We certify this dealing correct for the purposes of the Real Property Act 1900. DATE 12 MARCH 1997

Signed in my presence by the Transferor who is personally known to me

The Common Seal of The Milton Ulladulla Christian Parent Controlled School

J.R. Caplan
Di Registrar



Association Limited was hereunto affixed by authority of the Board of Directors

Blaine Kilham
Di Registrar

Signature of Transferor

Name of Witness (BLOCK LETTERS)

in the presence of:

Address of Witness

Signed in my presence by the Transferee who is personally known to me.

Signature of Witness

Name of Witness (BLOCK LETTERS)

Address of Witness

Ronald John Walsh
Ronald John Walsh
Signature of Transferee's Solicitor

NB: if applicable, indicate that the signatory is the transferee's solicitor and show the solicitor's full name.

0196LTO



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

21/5/2020 3:17PM

FOLIO: 3/811690

First Title(s): OLD SYSTEM

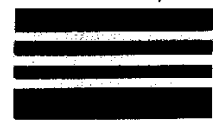
Prior Title(s): CA51226

Recorded	Number	Type of Instrument	C.T. Issue
-----	-----	-----	-----
16/9/1991	CA51226	CONVERSION ACTION	FOLIO CREATED EDITION 1
18/9/1991	Z927935	TRANSMISSION APPLICATION	EDITION 2
23/4/1992	PA63013	PRIMARY APPLICATION	EDITION 3
29/6/1999	DP1003099	DEPOSITED PLAN	FOLIO CANCELLED

*** END OF SEARCH ***



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 927935 U

TRANSMISSION APPLICATION

SECTION 93, REAL PROPERTY ACT, 1900
 (See Instructions for Completion on back of form)

TA	of	R /
\$		

DESCRIPTION OF LAND Note (a)

LAND of which deceased is registered proprietor		
Torrens Title reference	If Part Only, Delete Whole and Give Details	Location
1/811690 3/811690	WHOLE	At Milton Parish of Ulladulla.

REGISTERED DEALING Note (b)

LEASE, MORTGAGE, OR CHARGE of which deceased is registered proprietor		
Type of Dealing	Registered Number	Torrens Title Reference



DECEASED REGISTERED PROPRIETOR Note (c)

Henry Porter Late of Milton, New South Wales, Farmer

Note (d)
 APPLICANT Note (e)

(the abovenamed DECEASED) is registered as proprietor of the land above described. The APPLICANT above-mentioned registered dealing.

Henry John Porter surviving Executor, Katherine Lawrence Rixon having died on 5 November 1979.

OFFICE USE ONLY

ENTITLEMENT Note (f) and (j)

being entitled as surviving Executor of the will/estate of the abovenamed deceased

Probate No. 711965 of whose will was granted on 17 June 1971

to Henry John Porter and Katherine Lawrence Rixon.

Note (d)

hereby applies to be registered as proprietor of the estate or interest of the said deceased in the land above described.

DATE

I hereby certify this application to be correct for the purposes of the real Property Act, 1900.
 Signed in my presence by the applicant who is personally known to me.

[Signature of Witness]
 Signature of Witness

PAUL MANSFIELD
 Name of Witness (BLOCK LETTERS)
 108 BRONTE RD BRONTE NSW
 Address and Occupation of Witness
SOLICITOR

[Signature of Applicant]
 Signature of Applicant

EXECUTION Note (g)

TO BE COMPLETED BY LODGING PARTY Notes (g) and (h)

LODGED BY MANSFIELD SWITZER, SOLICITOR 108 BRONTE ROAD BONDI JUNCTION NSW 2022 Ref: Delivery Box Number <u>42</u>	PROBATE No. AND/OR OTHER DATE OF DEATH		LOCATION OF DOCUMENTS
	CT		Herewith.
		711965 Prob.	30.6.1969.
Checked	Passed	REGISTERED - -19	
Signed	Extra Fee	18 SEP 1991	
		Secondary Directions	
		Delivery Directions	



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

21/5/2020 3:14PM

FOLIO: 5/1003099

First Title(s): OLD SYSTEM

Prior Title(s): 2-3/811690

Recorded	Number	Type of Instrument	C.T. Issue
-----	-----	-----	-----
29/6/1999	DP1003099	DEPOSITED PLAN	FOLIO CREATED CT NOT ISSUED
30/6/1999	5913966	TRANSFER	EDITION 1
27/3/2001	7476337	DISCHARGE OF MORTGAGE	
29/8/2001	DP1022218	DEPOSITED PLAN	EDITION 2
13/12/2006	DP1105993	DEPOSITED PLAN	
21/6/2007	AD70414	TRANSFER <u>INCLUDING EASEMENT</u>	FOLIO CANCELLED

*** END OF SEARCH ***

Form: 97-01T
Licence: 026CN/0526/96

TRANSFER

New South Wales

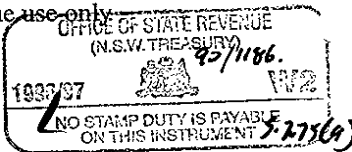
Real Property Act 1900

5913966L



Instructions for filling out
This form are available
from the Land Titles Office

Office of State Revenue use only



(A) **LAND TRANSFERRED**
Show no more than 20 titles.
If appropriate, specify the
Share or part transferred.

FOLIO IDENTIFIER
BEING PART FOLIO IDENTIFIER 3/811690
NOW ~~BEING~~ ~~LOT 5~~ COMPRISED IN LOT 5 IN DP 1003099
BEING F.I. 5/1003099

(B) **LODGED BY**

LTO Box 4Q	Name, Address or DX and Telephone MANSFIELD SCHITZER 1ST FLOOR, 108 BROUTE RD, BONDI JN 2022 PH - 9389 9144 REFERENCE (15 character maximum):
-------------------	---

(C) **TRANSFEROR HENRY JOHN PORTER**

(D) acknowledges receipt of the consideration of Sixty thousand dollars (\$60,000.00)
and as regards the land specified above transfers to the transferee an estate in fee simple.

(E) Encumbrances (if applicable) 1. 2. 3.

(F) **TRANSFEEE**

T TS (s713 LGA) FW (Sheriff)	SYDNEY ANGLICAN SCHOOLS LIMITED A.C.N. 076 452 974 TENANCY:
---	--

(H) We certify this dealing correct for the purposes of the Real Property Act 1900. DATE

Signed in my presence by the transferor who is personally known to me.

.....
L. Shephard
Signature of Witness

.....
LESA MAY SHEPHARD
Name of Witness (BLOCK LETTERS)

.....
"HILLTOP" MILTON 2538
Address of Witness

.....
H. Porter
Signature of Transferor

Signed in my presence by the transferee who is personally known to me.

.....
Signature of Witness

.....
Name of Witness (BLOCK LETTERS)

.....
Address of Witness

.....
Clem Alexander Parbery
Signature of Transferee's Solicitor
CLEM ALEXANDER PARBERY

NB: if signed on the transferee's behalf by a solicitor or licensed conveyancer, show the signatory's full name in block letters.

Form: 01TE
Licence: 05-11-640
Licensee: Softdocs
Morton & Harris

TRANSFER INCLUDING EASEMENT

New South Wales
Real Property Act 1900



AD70414Y

RELODGED
18/11/2007
STAMP DUTY TIME: 350

PRIVACY NOTE: Section 31B of the Real Property Act 1900 (RP Act) authorises the Registrar General to collect the information required by this form for the establishment and maintenance of the Real Property Act Register. Section 96B RP Act requires that the Register is made available to any person for search upon payment of a fee, if any.

Office of State Revenue
NSW Treasury
Client No: 1407120 269
Duty: EXEMPT Trans No: 4154648
Asst details: 5277

OFFICE OF STATE REVENUE (N.S.W. TREASURY)
(A) TORRENS TITLE
ALTERATION NOTED
(B) EASEMENTS EVIDENCE
1407120 269

Land transferred
Folio Identifier 1/1105993 and being Part 5/1003099

(B) EASEMENTS EVIDENCE
1407120 269
Servient (land burdened) being Part 5/1003099
Folio Identifier 2/1105993 5/1003099
Dominant (land benefited)
In Gross

(C) ALODGED BY NOTED
Document Collection Box 35D
Name, Address or DX, Telephone and LLPN if any
MORRIS, HAYES & EDGAR
DX 420 SYDNEY PH: 9232-2411
AS AGENTS FOR
MORTON + HARRIS
LLPN: 123005 B
Reference (optional): ICA0073
CODE
TE

OFFICE OF STATE REVENUE (N.S.W. TREASURY)
(D) TRANSFEROR
1407120 269
SYDNEY ANGLICAN SCHOOLS LIMITED (076452974)

(E) ALTERATION NOTED
(F) The transferor acknowledges receipt of the consideration of \$17,000.00 and transfers to the transferee an estate in fee simple and the transferor GRANTS an easement as set out in Schedule 1.

(G) Encumbrances (if applicable):
(H) TRANSFEREE
THE COUNCIL OF THE CITY OF SHOALHAVEN (ARBN 598 551 823 44)
(I) TENANCY:

DATE 5/13/2007

(J) Certified correct for the purposes of the Real Property Act 1900 and executed on behalf of the corporation named below by the authorised person(s) whose signature(s) appear(s) below pursuant to the authority specified.
Corporation: SYDNEY ANGLICAN SCHOOLS LIMITED
Authority: Section 127 of the Corporations Act 2001

Signature of authorised person:
Name of authorised person: LAURENCE SCANDRETT
Office held: CHIEF EXECUTIVE OFFICER

Signature of authorised person:
Name of authorised person: WILLIAM CLARKE
Office held: CORPORATE SECRETARY

Certified correct for the purposes of the Real Property Act 1900 by the person whose signature appears below.

Signature:
Signatory's name: ROSS ALAN DIXON
Signatory's capacity: Solicitor for the transferee

Form: 014TE

(K) SCHEDULE 1
Grant of easement

The transferor GRANTS:

Easement for drainage of sewage in the terms of Part 6, Schedule 4A of the Conveyancing Act, 1919 shown as "A"

Proposed Sewage Easement 3 wide in DP 1105993

(K) SCHEDULE 2
Reservation of easement

The transferor RESERVES:

not applicable



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

21/5/2020 3:13PM

FOLIO: 2/1105993

First Title(s): OLD SYSTEM

Prior Title(s): 5/1003099

Recorded	Number	Type of Instrument	C.T. Issue
-----	-----	-----	-----
13/12/2006	DP1105993	DEPOSITED PLAN	LOT RECORDED FOLIO NOT CREATED
22/6/2007	AD70414	TRANSFER <u>INCLUDING EASEMENT</u>	FOLIO CREATED EDITION 1
21/1/2011	AG16795	TRANSFER WITHOUT MONETARY CONSIDERATION	EDITION 2
6/1/2014	DP1192140	DEPOSITED PLAN	FOLIO CANCELLED

*** END OF SEARCH ***

Form: 01T
Release: 4.1
www.lpma.nsw.gov.au

TRANSFER

New South Wales
Real Property Act 1900



AG16795P

PRIVACY NOTE: Section 31B of the Real Property Act 1900 (RP Act) authorises the Registrar to use the information provided by this form for the establishment and maintenance of the Real Property Act Register. Section 31C of the RP Act provides that the Register is made available to any person for search upon payment of a fee, if any.

STAMP DUTY

Office of State Revenue use only 36	NEW SOUTH WALES DUTY 12-01-2011 0006128328-001 SECTION 275(3)(A)-ORIGINAL NO DUTY PAYABLE
---	--

(A) **TORRENS TITLE**

Annexure "A"

(B) **LODGED BY**

Document Collection Box W	Name, Address or DX, Telephone, and Customer Account Number if any Sydney Anglican Schools Corporation P O Box 465 HURSTVILLE BC NSW 1481 Reference: SASL	CODES T JT TF TJ TK TW

(C) **TRANSFEROR**

SYDNEY ANGLICAN SCHOOLS LIMITED ACN 076 452 974

(D) **CONSIDERATION**

The transferor acknowledges receipt of the consideration of \$ 0.00 and as regards

(E) **ESTATE**

the abovementioned land transfers to the transferee an estate in fee simple

(F) **SHARE TRANSFERRED**

100%

(G)

Encumbrances (if applicable):

(H) **TRANSFEEE**

SYDNEY ANGLICAN SCHOOLS CORPORATION ABN 63 544 529 806

TENANCY:

DATE **4 JANUARY 2011**

(J) Certified correct for the purposes of the Real Property Act 1900 and executed on behalf of the corporation named below by the authorised person(s) whose signature(s) appear(s) below pursuant to the authority specified.

Corporation: SYDNEY ANGLICAN SCHOOLS LIMITED ACN 076 452 974
Authority: section 127 of the Corporations Act 2001

Signature of authorised person: *[Signature]*
Name of authorised person: **DAVID JULIAN MINTY**
Office held: **Director**

Signature of authorised person: *[Signature]*
Name of authorised person: **VANDA R. LOUD**
Office held: **Director**

Certified correct for the purposes of the Real Property Act 1900 by the corporation named below the common seal of which was affixed pursuant to the authority specified and in the presence of the authorised person(s) whose signature(s) appear(s) below.

Corporation: SYDNEY ANGLICAN SCHOOLS CORPORATION ABN 63 544 529 806
Authority: Anglican Church of Australia (Bodies Corporate) Act 1938

Signature of authorised person: *[Signature]*
Name of authorised person: **AND JULIA MINTY**
Office held: **Director**

Signature of authorised person: *[Signature]*
Name of authorised person: **VANDA R. LOUD**
Office held: **Director**

(K) The transferee certifies that the eNOS data relevant to this dealing has been submitted and stored under eNOS ID No. **82868** Full name: **WILLIAM KELAN CLARKE** Signature: *[Signature]*



Annexure "A" to TRANSFER

Parties:

SYDNEY ANGLICAN SCHOOLS LIMITED
SYDNEY ANGLICAN SCHOOLS CORPORATION

Dated:

12/1122904
26/1358
25/1358
1/225044
7/28428
1/1042766
1/586764
E/417057
2/225044
101/1060693
AC 7697-105
2700/1154630
2/1105993
4/811690
100/1011861
1005/1042592
1/1095004
1/1044182
500/1105757
22A/381522
14/204127
13/204127
16/204127
130/1138775
2/1144885
6/18366
7/18366
8/18366
9/18366
C/417057
Z/367365
1756/28785
1757/28785
1759/28785
1758/28785
9/26414



DIRECTOR.



SEARCH DATE

21/5/2020 3:13PM

FOLIO: 4/811690

First Title(s): OLD SYSTEM

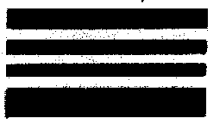
Prior Title(s): CA51226

Recorded	Number	Type of Instrument	C.T. Issue
-----	-----	-----	-----
16/9/1991	CA51226	CONVERSION ACTION	FOLIO CREATED EDITION 1
18/9/1991	Z927929	TRANSMISSION APPLICATION	
18/9/1991	Z927930	TRANSFER	EDITION 2
13/3/1992	E318715	MORTGAGE	EDITION 3
14/4/1993	I253445	DISCHARGE OF MORTGAGE	
14/4/1993	I253446	TRANSFER	
14/4/1993	I253447	MORTGAGE	EDITION 4
29/5/1995	O263636	DISCHARGE OF MORTGAGE	
29/5/1995	O263637	MORTGAGE	EDITION 5
20/12/2001	8226203	DISCHARGE OF MORTGAGE	
20/12/2001	8226204	TRANSFER	
20/12/2001	8226205	REQUEST	EDITION 6
21/1/2011	AG16795	TRANSFER WITHOUT MONETARY CONSIDERATION	EDITION 7
6/1/2014	DP1192140	DEPOSITED PLAN	FOLIO CANCELLED

*** END OF SEARCH ***



STAMP DUTY



B



Z
927929 P

TRANSMISSION APPLICATION

SECTION 93, REAL PROPERTY ACT, 1900
 (See Instructions for Completion on back of form)

TA

	of	
\$		R /

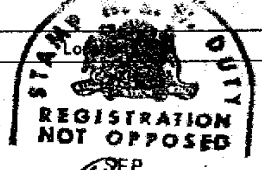
C. 10/2/91

DESCRIPTION OF LAND Note (a)

LAND of which deceased is registered proprietor		
Torrens Title reference	If Part Only, Delete Whole and Give Details	Location
4/811690 Previously part of portion HEIRY JOHN PORTER 121.	WHOLE	At Milton Parish of Ulladulla.

REGISTERED DEALING Note (b)

LEASE, MORTGAGE, OR CHARGE of which deceased is registered proprietor		
Type of Dealing	Registered Number	Torrens Title Reference



DECEASED REGISTERED PROPRIETOR Note (c)

Henry Porter Late of Milton, New South Wales, Farmer.

Note (d)

(the abovenamed DECEASED) is registered as proprietor of the land above described. The APPLICANT abovementioned registered dealing.

APPLICANT Note (e)

Henry John Porter Surviving Executor, * Katherine Lawrence Rixon having died on 5 November 1979	OFFICE USE ONLY
---	-----------------

P/bk no 711965 assigned & returned D.O.D 30-1-89

ENTITLEMENT Note (f) and (i)

being entitled as **surviving Executor** of the will/estate of the abovenamed deceased

Probate No **711965** of whose will was granted on **17 June 1971**
 letters of Administration No. of whose estate were

to **Henry John Porter and Katherine Lawrence Rixon.**

Note (d)

hereby applies to be registered as proprietor of the estate or interest of the said deceased in the land above described. abovementioned registered dealing.

DATE **22-7-91**

I hereby certify this application to be correct for the purposes of the real Property Act, 1900.
 Signed in my presence by the applicant who is personally known to me.

EXECUTION Note (g)

[Signature]
 Signature of Witness
PAUL MANSFIELD
 Name of Witness (BLOCK LETTERS)
108 BRONTE RD BONDI JN
 Address and Occupation of Witness
Solicitor

[Signature]
 Signature of Applicant

* Death cert assigned D.O.D 5-11-79

TO BE COMPLETED BY LODGING PARTY Notes (g) and (h)

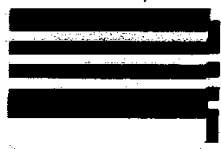
LODGED BY SUZANNE M. SWITZER, SOLICITOR 108 BRONTE ROAD BONDI JUNCTION 2022	LOCATION OF DOCUMENTS CT PROBATE No. AND/OR OTHER DATE OF DEATH		
			Herewith.
			In L.T.O. with
Ref: Delivery Box Number 245			Produced by
Checked <i>[initials]</i> Passed Signed Extra Fee	REGISTERED - -19 	Secondary Directions	
	18 SEP 1991	Delivery Directions	

OFFICE USE ONLY

RP 13
1985



STAMP DUTY
\$2-



Handwritten signatures and initials



Z
927930 F

TRANSFER
REAL PROPERTY ACT, 1900

	of	
\$		

DESCRIPTION OF LAND
Note (a)

Torrens Title Reference	If Part Only, Delete Whole and Give Details	Location
Certificate of Title Folio Identifier 4/811690	WHOLE	Milton

TRANSFEROR
Note (b)

HENRY JOHN PORTER

ESTATE
Note (c)

(the abovenamed TRANSFEROR) hereby acknowledges receipt of the consideration of \$ 55,000.00 and transfers an estate in fee simple in the land above described to the TRANSFEREE

TRANSFEREE
Note (d)

ROBERT JOHN VEITCH of 12 Valley View Close Milton, Surveyor and ANNETTE GAI VEITCH of the same address Teacher as joint tenants as to one half share as tenants in common with RONALD EDMUND REIMAN of 4 Booth Avenue Narrawallee, Bricklayer and HEATHER JEANETTE REIMAN of the same address Teacher as joint tenants as to the remaining one half share

OFFICE USE ONLY

TENANCY
Note (e)

~~as joint tenants/tenants in common~~

PRIOR ENCUMBRANCES
Note (f)

subject to the following PRIOR ENCUMBRANCES 1. 2. 3.

DATE *Do not date 18-9-91*

We hereby certify this dealing to be correct for the purposes of the Real Property Act, 1900.

EXECUTION
Note (g)

Signed in my presence by the transferor who is personally known to me

P. Keenan
Signature of Witness

P. KEENAN
Name of Witness (BLOCK LETTERS)

13 BIMBARREN AVE
Address and occupation of Witness

BRADBURY - OFFICE MANAGER.
Signed in my presence by the transferee who is personally known to me

HJP * *H. J. Porter*
Signature of Transferor

Note (g)

Signature of Witness

Name of Witness (BLOCK LETTERS)

Address and occupation of Witness

J C HOZACK
Solicitor for *10/9/91*
J C HOZACK

TO BE COMPLETED BY LODGING PARTY
Notes (h) and (i)

LODGED BY	LOCATION OF DOCUMENTS	
	CT	OTHER
		Herewith.
		In L.T.O. with
Delivery Box Number 245	71765 Pkte.	Produced by Mansfield Switzer
Checked <i>RS</i>	Passed	REGISTERED - -19
Signed <i>[Signature]</i>	Extra Fee	18 SEP 1991
	Secondary Directions	
	Delivery Directions	

OFFICE USE ONLY

RP13



TRANSFER

Real Property Act, 1900

B



I
253446 R

Office of State Revenue

OFFICE OF STATE REVENUE W1
STAMP DUTY 1992/93
DUTY \$ 2.00 1ST REC NO 90012915

(A) **LAND TRANSFERRED**

Show no more than 20 References to Title.
If appropriate, specify the share transferred.

Folio Identifier 4/811690

(B) **LODGED BY**

L.T.O. Box 24J	Name, Address or DX and Telephone COMMONWEALTH BANK OF AUSTRALIA BRANCH LENDING SUPPORT PHONE: 227-7618 DX 1020
REFERENCE (max. 15 characters): 2646 Veitch	

(C) **TRANSFEROR**

RONALD EDMUND REIMAN AND HEATHER JEANETTE REIMAN

(D) acknowledges receipt of the consideration of One hundred and nine thousand five hundred dollars (\$109,500.00)
and as regards the land specified above transfers to the transferee an estate in fee simple as to a one half share

(E) subject to the following ENCUMBRANCES 1. 2. 3.

(F) **TRANSFEEE**



T	ROBERT JOHN VEITCH AND ANNETTE ^{GAI} GAY VEITCH	
	as joint tenants/tenants in common	

(H) We certify this dealing correct for the purposes of the Real Property Act, 1900. DATE 27 / 1 / 93

Signed in my presence by the transferor who is personally known to me.

Signature of Witness
CHERYL ALEXANDER PARBERY
Name of Witness (BLOCK LETTERS)
144A VVA SOWICIOR
Address of Witness

Signature of Transferor

Signed in my presence by the transferee who is personally known to me.

Signature of Witness
J. D. HOZALK
Name of Witness (BLOCK LETTERS)
89 PRINCLES HWY ULLADULLA
Address of Witness

Signature of Transferee

Licence: 98M111
Edition: 0011

New South Wales
Real Property Act, 1900



8226204V

PRIVACY NOTE: this information is legally required and will be

Office of State Revenue use only

NEW SOUTH WALES DUTY
22-08-2001 0000721190-002
SECTION 275-ORIGINAL
NO DUTY PAYABLE

STAMP DUTY

(A) TORRENS TITLE

If appropriate, specify the part transferred
4/811690

(B) LODGED BY:

Delivery Box	Name, Address or DX and Telephone L. J. KANE & CO. LTO BOX 30P MO-SYDNEY	CODES T TW (Sheriff)
Reference (optional):		

(C) TRANSFEROR

ROBERT JOHN VEITCH AND ANNETTE GAI VEITCH

(D) CONSIDERATION

The transferor acknowledges receipt of the consideration of **\$235,000.00** and as regards

(E) ESTATE

the land specified above transfers to the transferee an estate in fee simple

(F) SHARE TRANSFERRED

(G)

Encumbrances (if applicable) 1. 2. 3.

(H) TRANSFEREE

SYDNEY ANGLICAN SCHOOL LIMITED
SCHOOLS **ABN 70 076 452 974**

(I)

TENANCY:

DATE

31 / 10 / 01
dd mm yyyy



(J) I certify that the transferor, with whom I am personally acquainted or as to whose identity I am otherwise satisfied, signed this transfer in my presence.

Certified correct for the purposes of the Real Property Act 1900 by the transferor.

Signature of Witness *Lindsay Brien*

Signature of Transferor *A. Veitch*

Name of Witness **LINDSAY BRIEN**

Address of Witness **3/119 Queen Street Bery.**

Certified correct for the purposes of the Real Property Act 1900 by the transferee.

Signature of Witness

Signature of Transferee *Craig Lockart*

Name of Witness

Signature of Transferee's Solicitor

Address of Witness

CRAIG LOCKART

If signed on the transferee's behalf by a solicitor or licensed conveyancer, insert the signatory's full name and capacity below

[Signature]
6



NEW SOUTH WALES LAND REGISTRY SERVICES - HISTORICAL SEARCH

SEARCH DATE

21/5/2020 3:12PM

FOLIO: 200/1192140

First Title(s): OLD SYSTEM

Prior Title(s): 4/811690 2/1105993

Recorded	Number	Type of Instrument	C.T. Issue
6/1/2014	DP1192140	DEPOSITED PLAN	FOLIO CREATED EDITION 1
21/3/2016	AK302203	CHANGE OF NAME	
21/3/2016	AK302205	MORTGAGE	EDITION 2
12/4/2018	AN256358	DISCHARGE OF MORTGAGE	EDITION 3
27/8/2018	AN616037	TRANSFER	EDITION 4

*** END OF SEARCH ***

System Document Identification

Form Number:01T-e
Template Number:T_nsw16
ELN Document ID:7250718
ELN NOS ID:7250721

TRANSFER
New South Wales
Real Property Act 1900

Land Registry Document Identification

AN616037

Stamp Duty: 9420059-001

PRIVACY NOTE: Section 31B of the Real Property Act 1900 (RP Act) authorises the Registrar General to collect the information required by this form for the establishment and maintenance of the Real Property Act Register. Section 96B RP Act requires that the Register is made available to any person for search upon payment of a fee, if any.

LODGED BY:

Responsible Subscriber: HICKSONS ABN 58215418381

Address: One International Towers
L24, 100 Barangaroo AV
Barangaroo 2000

Telephone:

PEXA Subscriber Number: 10499

Customer Account Number: 501521A

Document Collection Box: 29X

Client Reference: 182000 - Minist

LAND TITLE REFERENCE

200/1192140

TRANSFEROR

ANGLICAN SCHOOLS CORPORATION
Charitable body

TRANSFeree

MINISTER FOR EDUCATION
State/Territory government or body

Tenancy: Sole Proprietor

CONSIDERATION

The transferor acknowledges receipt of the consideration of \$4,675,000.00

ESTATE TRANSFERRED

FEE SIMPLE

The Transferor transfers to the Transferee the Estate specified in this Instrument and acknowledges receipt of any Consideration shown.

SIGNING FOR TRANSFEROR

I certify that:

1. The Certifier has taken reasonable steps to ensure that this Registry Instrument or Document is correct and compliant with relevant legislation and any Prescribed Requirement.
2. The Certifier has retained the evidence supporting this Registry Instrument or Document.
3. The Certifier holds a properly completed Client Authorisation for the Conveyancing Transaction including this Registry Instrument or Document.
4. The Certifier has taken reasonable steps to verify the identity of the transferor.

Party Represented by Subscriber:

ANGLICAN SCHOOLS CORPORATION

Signed By: Damian Gerard Bourke

PEXA Signer Number:58922

Signer Capacity:Practitioner Certifier

Digital Signing Certificate Number:32313

**Signed for
Subscriber:**

INFOTRACK PROPERTY SERVICES PTY LIMITED ABN 59619493355

INFOTRACK PROPERTY SERVICES PTY LIMITED

Subscriber Capacity:Representative Subscriber

PEXA Subscriber Number:23726

Customer Account Number:503123

Date: 26/08/2018

SIGNING FOR TRANSFEREE

I certify that:

1. The Certifier has taken reasonable steps to ensure that this Registry Instrument or Document is correct and compliant with relevant legislation and any Prescribed Requirement.
2. The Certifier has retained the evidence supporting this Registry Instrument or Document.
3. The Certifier holds a properly completed Client Authorisation for the Conveyancing Transaction including this Registry Instrument or Document.
4. The Certifier has taken reasonable steps to verify the identity of the transferee.

Party Represented by Subscriber:

MINISTER FOR EDUCATION

Signed By: Anne Sandeman

Signer Capacity:Practitioner Certifier

PEXA Signer Number:23237

Digital Signing Certificate Number:13253

**Signed for
Subscriber:**

PARTNERS OF HICKSONS ABN 58215418381

HICKSONS

Subscriber Capacity:Representative Subscriber

PEXA Subscriber Number:10499

Customer Account Number:501521

Date: 27/08/2018



FOLIO: 200/1192140

SEARCH DATE	TIME	EDITION NO	DATE
21/5/2020	3:11 PM	4	27/8/2018

LAND

LOT 200 IN DEPOSITED PLAN 1192140
AT MILTON
LOCAL GOVERNMENT AREA SHOALHAVEN
PARISH OF ULLADULLA COUNTY OF ST VINCENT
TITLE DIAGRAM DP1192140

FIRST SCHEDULE

MINISTER FOR EDUCATION (T AN616037)

SECOND SCHEDULE (5 NOTIFICATIONS)

- 1 RESERVATIONS AND CONDITIONS IN THE CROWN GRANT(S)
- 2 DP811690 RESTRICTION(S) ON THE USE OF LAND
- 3 DP811690 EASEMENT TO PUMP SEWAGE 3 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
- 4 DP1022218 EASEMENT FOR OVERHEAD POWER LINE(S) 9 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
- 5 AD70414 EASEMENT FOR DRAINAGE OF SEWAGE 3 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM

NOTATIONS

UNREGISTERED DEALINGS: NIL

*** END OF SEARCH ***

APPENDIX

G

LABORATORY DATA SUMMARY TABLES

	BTEX						TPH					CRC Care TPH Fractions									
	Benzene	Toluene	Ethylbenzene	Xylene (m & p)	Xylene (o)	Xylene Total	C6 - C9	C10 - C14	C15 - C28	C29-C36	+C10 - C36 (Sum of total)	C6-C10	C10-C16	C16-C34	C34-C40	C10 - C40 (Sum of total)	F1: C6-C10 less BTEX	F2: >C10-C16 less Naphthalene			
	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	0.1	0.1	0.2	0.1	0.3	20	20	50	50	50	20	50	100	100	100	20	50			
NEPM 2013 EIL UR/POS, low pH, CEC, clay content - aged 0-2m																					
NEPM 2013 ESL UR/POS, Coarse Soil 0-2m	50	85	70			105		120 ^{#3}				120	300	2800			180				
NEPM 2013 HIL, Residential A																					
NEPM 2013 Soil HSL Residential A&B, for Vapour Intrusion, Sand 0-1m	0.5	160	55			40											45	110			
Site_ID	Sample ID	Sample Date	Matrix_Type																		
17 Croobyar Road	SS1	15/05/2020	SOIL	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50
17 Croobyar Road	SS2	15/05/2020	SOIL	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50
17 Croobyar Road	SS3	15/05/2020	SOIL	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3	<20	<20	<50	<50	<50	<20	<50	<100	<100	<100	<20	<50

Env Stds Comments

- #1: Fresh contamination, generic guideline value, independent of soil pH, CEC, clay content
- #2: In soil for at least 2 years
- #3: For comparative purposes only - indicative screening criteria for historical data based on NEPM 1999 TPH fractions (pre 2013 ammendment).
- #4: The revised CCME (2010) SQGE criteria of 20 mg/kg for residential/parkland land use are based on new toxicological data and should be further considered.
- #5: B(a)P TEQ calculated from 8 carcinogenic PAHs
- #6: Sum of 16 most commonly reported PAHs, refer to notes for Table 1A(1) in NEPM 2013
- #7: HIL assumes 70% oral bioavailability
- #8: HIL based on model with 50% oral bioavailability
- #9: HIL does not address elemental mercury
- #10: HIL relates to non-dioxin-like PCBs only, refer to notes for Table 1A(1) in NEPM 2013

	Metals								Inorganics
	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Moisture Content (dried @ 103°C)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	%
EQL	2	0.4	5	5	5	0.1	5	5	1
NEPM 2013 EIL UR/POS, low pH, CEC, clay content - aged									
0-2m	105 ^{#2}		198 ^{#2}	80 ^{#2}	1200 ^{#2}		35 ^{#2}	145 ^{#2}	
NEPM 2013 ESL UR/POS, Coarse Soil									
0-2m									
NEPM 2013 HIL, Residential A	100 ^{#7}	20		6000	300 ^{#8}	40 ^{#9}	400	7400	
NEPM 2013 Soil HSL Residential A&B, for Vapour Intrusion, Sand									
0-1m									

Site_ID	Sample ID	Sample Date	Matrix_Type	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Moisture Content
17 Croobyar Road	SS1	15/05/2020	SOIL	2.1	<0.4	6.7	82	23	<0.1	<5	34	34
17 Croobyar Road	SS2	15/05/2020	SOIL	2.7	<0.4	9.4	100	34	<0.1	<5	42	30
17 Croobyar Road	SS3	15/05/2020	SOIL	2.7	<0.4	7.4	76	17	<0.1	<5	37	21

Env Stds Comments

- #1: Fresh contamination, generic guideline value, independent of soil pH, CEC, clay content
- #2: In soil for at least 2 years
- #3: For comparative purposes only - indicative screening criteria for historical data based on NEPM 1999 TPH fractions (pre 2013 amendment).
- #4: The revised CCME (2010) SQGE criteria of 20 mg/kg for residential/parkland land use are based on new toxicological data and should be further considered.
- #5: B(a)P TEQ calculated from 8 carcinogenic PAHs
- #6: Sum of 16 most commonly reported PAHs, refer to notes for Table 1A(1) in NEPM 2013
- #7: HIL assumes 70% oral bioavailability
- #8: HIL based on model with 50% oral bioavailability
- #9: HIL does not address elemental mercury
- #10: HIL relates to non-dioxin-like PCBs only, refer to notes for Table 1A(1) in NEPM 2013

	SVOCs	PAH																						
	EPN	Benzo(b,j)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	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	BaP TEQ (zero)	Benzo(a)pyrene TEQ (half LOR)	Benzo(a)pyrene TEQ (upper bound)	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	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
EQL	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			
NEPM 2013 EIL UR/POS, low pH, CEC, clay content - aged 0-2m															170 ^{#1}									
NEPM 2013 ESL UR/POS, Coarse Soil 0-2m							0.7 ^{#4}																	
NEPM 2013 HIL, Residential A																			3 ^{#5}		300 ^{#6}			
NEPM 2013 Soil HSL Residential A&B, for Vapour Intrusion, Sand 0-1m															3									
Site_ID	Sample ID	Sample Date	Matrix_Type																					
17 Croobyar Road	SS1	15/05/2020	SOIL	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5	
17 Croobyar Road	SS2	15/05/2020	SOIL	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5
17 Croobyar Road	SS3	15/05/2020	SOIL	<0.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	1.2	<0.5

Env Stds Comments

- #1: Fresh contamination, generic guideline value, independent of soil pH, CEC, clay content
- #2: In soil for at least 2 years
- #3: For comparative purposes only - indicative screening criteria for historical data based on NEPM 1999 TPH fractions (pre 2013 amendment).
- #4: The revised CCME (2010) SQGE criteria of 20 mg/kg for residential/parkland land use are based on new toxicological data and should be further considered.
- #5: B(a)P TEQ calculated from 8 carcinogenic PAHs
- #6: Sum of 16 most commonly reported PAHs, refer to notes for Table 1A(1) in NEPM 2013
- #7: HIL assumes 70% oral bioavailability
- #8: HIL based on model with 50% oral bioavailability
- #9: HIL does not address elemental mercury
- #10: HIL relates to non-dioxin-like PCBs only, refer to notes for Table 1A(1) in NEPM 2013

Organochlorine Pesticides																							
	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	Chlordane	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Toxaphene
	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	0.1	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	0.2	1
NEPM 2013 EIL UR/POS, low pH, CEC, clay content - aged 0-2m									180 ^{#1}														
NEPM 2013 ESL UR/POS, Coarse Soil 0-2m																							
NEPM 2013 HIL, Residential A				6		50				240					10				6		10	300	20
NEPM 2013 Soil HSL Residential A&B, for Vapour Intrusion, Sand 0-1m																							
Site_ID	Sample ID	Sample Date	Matrix_Type	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
17 Croobyar Road	SS1	15/05/2020	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
17 Croobyar Road	SS2	15/05/2020	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1
17 Croobyar Road	SS3	15/05/2020	SOIL	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<1

Env Stds Comments

- #1: Fresh contamination, generic guideline value, independent of soil pH, CEC, clay content
- #2: In soil for at least 2 years
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- #5: B(a)P TEQ calculated from 8 carcinogenic PAHs
- #6: Sum of 16 most commonly reported PAHs, refer to notes for Table 1A(1) in NEPM 2013
- #7: HIL assumes 70% oral bioavailability
- #8: HIL based on model with 50% oral bioavailability
- #9: HIL does not address elemental mercury
- #10: HIL relates to non-dioxin-like PCBs only, refer to notes for Table 1A(1) in NEPM 2013

		Organophosphorous Pesticides																															
		Fokuthion	Azinophos methyl	Boistar (Suiprotos)	Chlorfenvinphos	Chlorpyrifos	Chlorpyrifos-methyl	Coumaphos	Demeton-O	Demeton-S	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethion	Ethoprop	Fenitrothion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Omethoate	Phorate	Pyrazophos	Ronnel	Terbufos	Trichloronate	Tetrachlorinphos	
		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		0.2	0.2	0.2	0.2	0.2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2	0.2	2	0.2	0.2	0.2	0.2	0.2	0.2	
NEPM 2013 EIL UR/POS, low pH, CEC, clay content - aged	0-2m																																
NEPM 2013 ESL UR/POS, Coarse Soil	0-2m																																
NEPM 2013 HIL, Residential A						160																											
NEPM 2013 Soil HSL Residential A&B, for Vapour Intrusion, Sand	0-1m																																
Site_ID	Sample ID	Sample Date	Matrix_Type	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
17 Croobyar Road	SS1	15/05/2020	SOIL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	
17 Croobyar Road	SS2	15/05/2020	SOIL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
17 Croobyar Road	SS3	15/05/2020	SOIL	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Env Stds Comments

- #1: Fresh contamination, generic guideline value, independent of soil pH, CEC, clay content
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- #4: The revised CCME (2010) SQGE criteria of 20 mg/kg for residential/parkland land use are based on new toxicological data and should be further considered.
- #5: B(a)P TEQ calculated from 8 carcinogenic PAHs
- #6: Sum of 16 most commonly reported PAHs, refer to notes for Table 1A(1) in NEPM 2013
- #7: HIL assumes 70% oral bioavailability
- #8: HIL based on model with 50% oral bioavailability
- #9: HIL does not address elemental mercury
- #10: HIL relates to non-dioxin-like PCBs only, refer to notes for Table 1A(1) in NEPM 2013

	Pesticides		Polychlorinated Biphenyls							
	Parathion	Pirimiphos-methyl	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.2	0.2	0.5	0.1	0.5	0.5	0.5	0.5	0.5	0.5
NEPM 2013 EIL UR/POS, low pH, CEC, clay content - aged 0-2m										
NEPM 2013 ESL UR/POS, Coarse Soil 0-2m										
NEPM 2013 HIL, Residential A										1 ^{#10}
NEPM 2013 Soil HSL Residential A&B, for Vapour Intrusion, Sand 0-1m										

Site_ID	Sample ID	Sample Date	Matrix_Type	Parathion	Pirimiphos-methyl	Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	PCBs (Sum of total)
17 Croobyar Road	SS1	15/05/2020	SOIL	<0.2	<0.2	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
17 Croobyar Road	SS2	15/05/2020	SOIL	<0.2	<0.2	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
17 Croobyar Road	SS3	15/05/2020	SOIL	<0.2	<0.2	<0.5	<0.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Env Stds Comments

- #1: Fresh contamination, generic guideline value, independent of soil pH, CEC, clay content
- #2: In soil for at least 2 years
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- #6: Sum of 16 most commonly reported PAHs, refer to notes for Table 1A(1) in NEPM 2013
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- #9: HIL does not address elemental mercury
- #10: HIL relates to non-dioxin-like PCBs only, refer to notes for Table 1A(1) in NEPM 2013

APPENDIX

H

LABORATORY REPORTS



CHAIN OF CUSTODY RECORD

Eurofins | mgt ABN 60 005 085 521

Sydney Laboratory
Unit F3 Bld.F 16 Mars Road Lane Cove West NSW 2066
02 9900 8400 EnviroSampleNSW@eurofins.com

Brisbane Laboratory
Unit 1 21 Smallwood Place Murarrie QLD 4172
07 3802 4600 EnviroSampleQLD@eurofins.com

Perth Laboratory
Unit 2 91 Leach Highway Kewdale WA 6105
08 9251 9600 EnviroSampleWA@eurofins.com

Melbourne Laboratory
2 Kingston Town Close Oakleigh VIC 3166
03 9564 5000 EnviroSampleVic@eurofins.com

Company		Cardno		Project No	80820243				Project Manager	Mitch Blencowe				Sampler(s)	Mitch Blencowe								
Address		16 Burelli Street, Wollongong, NSW, 2500		Project Name	Milton SI				EDD Format	ESdat, EQulS etc				ESDAT	Handed over by								
Contact Name		Mitch Blencowe		Analyses Where metals are requested, please specify "Total" or "Filtered". SUITE code must be used to attract SUITE pricing.	Suite B7: TRH, BTEXN, PAH, Metals (As, Cd, Cr, Cu, Ni, Pb, Zn, Hg)	Suite B15: OCP, OPP, PCB										Email for Invoice	mitch.blencowe@cardno.com.au						
Phone No		0476 354 778														Email for Results	mitch.blencowe@cardno.com.au						
Special Directions																Containers Change container type & size if necessary.				Required Turnaround Time (TAT) Default will be 5 days if not ticked.			
Purchase Order																500mL Plastic				<input type="checkbox"/> Overnight (reporting by 9am) ♦ <input type="checkbox"/> Same day ♦ <input type="checkbox"/> 1 day ♦ <input type="checkbox"/> 2 days ♦ <input checked="" type="checkbox"/> 3 days ♦ <input type="checkbox"/> 5 days (Standard) <input type="checkbox"/> Other ()			
Quote ID No		180626CAR_2																					
No	Client Sample ID	Sampled Date/Time dd/mm/yy hh:mm	Matrix Solid (S) Water (W)															Sample Comments / Dangerous Goods Hazard Warning					
1	SS1				X	X																	
2	SS2				X	X																	
3	SS3				X	X																	
4																							
5																							
6																							
7																							
8																							
9																							
10																							
Total Counts					3	3										3	3						

Method of Shipment Courier (# **Elvis**) Hand Delivered Postal

Name: _____ Signature: _____ Date: _____ Time: _____

Eurofins | mgt Laboratory Use Only

Received By: **Elvis D** SYD | BNE | MEL | PER | ADL | NTL | DRW Signature: _____ Date: **18/01/20** Time: **1:55PM** Temperature: **7.8°C**

Received By: _____ SYD | BNE | MEL | PER | ADL | NTL | DRW Signature: _____ Date: _____ Time: _____ Report No: **720003**

Melbourne

6 Monterey Road
Dandenong South Vic 3175
Phone : +61 3 8564 5000
NATA # 1261
Site # 1254 & 14271

Sydney

Unit F3, Building F
16 Mars Road
Lane Cove West NSW 2066
Phone : +61 2 9900 8400
NATA # 1261 Site # 18217

Brisbane

1/21 Smallwood Place
Murarrie QLD 4172
Phone : +61 7 3902 4600
NATA # 1261 Site # 20794

Perth

2/91 Leach Highway
Kewdale WA 6105
Phone : +61 8 9251 9600
NATA # 1261 Site # 23736

Sample Receipt Advice

Company name: **Cardno Pty Ltd (WOLL)**
Contact name: Mitch Blencowe
Project name: MILTON SI
Project ID: 80820243
COC number: Not provided
Turn around time: 3 Day
Date/Time received: May 18, 2020 1:58 PM
Eurofins reference: **720003**

Sample information

- A detailed list of analytes logged into our LIMS, is included in the attached summary table.
- All samples have been received as described on the above COC.
- COC has been completed correctly.
- Attempt to chill was evident.
- Appropriately preserved sample containers have been used.
- All samples were received in good condition.
- Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
- Appropriate sample containers have been used.
- Split sample sent to requested external lab.
- Some samples have been subcontracted.
- N/A Custody Seals intact (if used).

Contact notes

If you have any questions with respect to these samples please contact:

Ursula Long on Phone : or by e.mail: UrsulaLong@eurofins.com

Results will be delivered electronically via e.mail to Mitch Blencowe - mitch.blencowe@cardno.com.au.

Australia

Melbourne
6 Monterey Road
Dandenong South VIC 3175
Phone : +61 3 8564 5000
NATA # 1261
Site # 1254 & 14271

Sydney
Unit F3, Building F
16 Mars Road
Lane Cove West NSW 2066
Phone : +61 2 9900 8400
NATA # 1261 Site # 18217

Brisbane
1/21 Smallwood Place
Murarrie QLD 4172
Phone : +61 7 3902 4600
NATA # 1261 Site # 20794

Perth
2/91 Leach Highway
Kewdale WA 6105
Phone : +61 8 9251 9600
NATA # 1261
Site # 23736

New Zealand

Auckland
35 O'Rorke Road
Penrose, Auckland 1061
Phone : +64 9 526 45 51
IANZ # 1327

Christchurch
43 Detroit Drive
Rolleston, Christchurch 7675
Phone : 0800 856 450
IANZ # 1290

ABN – 50 005 085 521

web : www.eurofins.com.au

e.mail : EnviroSales@eurofins.com

Company Name: Cardno Pty Ltd (WOLL)
Address: Ground Floor, 16 Burelli Street
Wollongong
NSW 2500

Project Name: MILTON SI
Project ID: 80820243

Order No.:
Report #: 720003
Phone: 02 4231 9672
Fax:

Received: May 18, 2020 1:58 PM
Due: May 21, 2020
Priority: 3 Day
Contact Name: Mitch Blencowe

Eurofins Analytical Services Manager : Ursula Long

Sample Detail						Eurofins mgt Suite B15	Moisture Set	Eurofins mgt Suite B7
Melbourne Laboratory - NATA Site # 1254 & 14271								
Sydney Laboratory - NATA Site # 18217						X	X	X
Brisbane Laboratory - NATA Site # 20794								
Perth Laboratory - NATA Site # 23736								
External Laboratory								
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID			
1	SS1	May 15, 2020		Soil	W20-My24825	X	X	X
2	SS2	May 15, 2020		Soil	W20-My24826	X	X	X
3	SS3	May 15, 2020		Soil	W20-My24827	X	X	X
Test Counts						3	3	3

Cardno Pty Ltd (WOLL)
 Ground Floor, 16 Burelli Street
 Wollongong
 NSW 2500



NATA Accredited
 Accreditation Number 1261
 Site Number

Accredited for compliance with ISO/IEC 17025 – Testing
 The results of the tests, calibrations and/or
 measurements included in this document are traceable
 to Australian/national standards.

Attention: **Mitch Blencowe**

Report **720003-S**
 Project name **MILTON SI**
 Project ID **80820243**
 Received Date **May 18, 2020**

Client Sample ID			SS1 Soil W20-My24825 May 15, 2020	SS2 Soil W20-My24826 May 15, 2020	SS3 Soil W20-My24827 May 15, 2020
Sample Matrix					
Eurofins Sample No.					
Date Sampled					
Test/Reference	LOR	Unit			
Total Recoverable Hydrocarbons - 1999 NEPM Fractions					
TRH C6-C9	20	mg/kg	< 20	< 20	< 20
TRH C10-C14	20	mg/kg	< 20	< 20	< 20
TRH C15-C28	50	mg/kg	< 50	< 50	< 50
TRH C29-C36	50	mg/kg	< 50	< 50	< 50
TRH C10-C36 (Total)	50	mg/kg	< 50	< 50	< 50
BTEX					
Benzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Toluene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Ethylbenzene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
m&p-Xylenes	0.2	mg/kg	< 0.2	< 0.2	< 0.2
o-Xylene	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Xylenes - Total*	0.3	mg/kg	< 0.3	< 0.3	< 0.3
4-Bromofluorobenzene (surr.)	1	%	57	73	82
Total Recoverable Hydrocarbons - 2013 NEPM Fractions					
Naphthalene ^{N02}	0.5	mg/kg	< 0.5	< 0.5	< 0.5
TRH >C10-C16 less Naphthalene (F2) ^{N01}	50	mg/kg	< 50	< 50	< 50
TRH C6-C10	20	mg/kg	< 20	< 20	< 20
TRH C6-C10 less BTEX (F1) ^{N04}	20	mg/kg	< 20	< 20	< 20
Polycyclic Aromatic Hydrocarbons					
Benzo(a)pyrene TEQ (lower bound) *	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene TEQ (medium bound) *	0.5	mg/kg	0.6	0.6	0.6
Benzo(a)pyrene TEQ (upper bound) *	0.5	mg/kg	1.2	1.2	1.2
Acenaphthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Acenaphthylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Benz(a)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Benzo(a)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Benzo(b&j)fluoranthene ^{N07}	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Benzo(g,h,i)perylene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Benzo(k)fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Chrysene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Dibenz(a,h)anthracene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Fluoranthene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Fluorene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Indeno(1.2.3-cd)pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5

Client Sample ID			SS1	SS2	SS3
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			W20-My24825	W20-My24826	W20-My24827
Date Sampled			May 15, 2020	May 15, 2020	May 15, 2020
Test/Reference	LOR	Unit			
Polycyclic Aromatic Hydrocarbons					
Naphthalene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Phenanthrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Pyrene	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Total PAH*	0.5	mg/kg	< 0.5	< 0.5	< 0.5
2-Fluorobiphenyl (surr.)	1	%	136	128	133
p-Terphenyl-d14 (surr.)	1	%	99	85	83
Organochlorine Pesticides					
Chlordanes - Total	0.1	mg/kg	< 0.1	< 0.1	< 0.1
4,4'-DDD	0.05	mg/kg	< 0.05	< 0.05	< 0.05
4,4'-DDE	0.05	mg/kg	< 0.05	< 0.05	< 0.05
4,4'-DDT	0.05	mg/kg	< 0.05	< 0.05	< 0.05
a-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Aldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05
b-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05
d-BHC	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Dieldrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Endosulfan I	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Endosulfan II	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Endosulfan sulphate	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Endrin	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Endrin aldehyde	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Endrin ketone	0.05	mg/kg	< 0.05	< 0.05	< 0.05
g-BHC (Lindane)	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Heptachlor	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Hexachlorobenzene	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Methoxychlor	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Toxaphene	1	mg/kg	< 1	< 1	< 1
Aldrin and Dieldrin (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05
DDT + DDE + DDD (Total)*	0.05	mg/kg	< 0.05	< 0.05	< 0.05
Vic EPA IWRG 621 OCP (Total)*	0.1	mg/kg	< 0.2	< 0.2	< 0.2
Vic EPA IWRG 621 Other OCP (Total)*	0.1	mg/kg	< 0.2	< 0.2	< 0.2
Dibutylchloroendate (surr.)	1	%	INT	INT	140
Tetrachloro-m-xylene (surr.)	1	%	95	83	93
Organophosphorus Pesticides					
Azinphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Bolstar	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Chlorfenvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Chlorpyrifos	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Chlorpyrifos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Coumaphos	2	mg/kg	< 2	< 2	< 2
Demeton-S	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Demeton-O	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Diazinon	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Dichlorvos	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Dimethoate	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Disulfoton	0.2	mg/kg	< 0.2	< 0.2	< 0.2
EPN	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Ethion	0.2	mg/kg	< 0.2	< 0.2	< 0.2

Client Sample ID			SS1	SS2	SS3
Sample Matrix			Soil	Soil	Soil
Eurofins Sample No.			W20-My24825	W20-My24826	W20-My24827
Date Sampled			May 15, 2020	May 15, 2020	May 15, 2020
Test/Reference	LOR	Unit			
Organophosphorus Pesticides					
Ethoprop	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Ethyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Fenitrothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Fensulfothion	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Fenthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Malathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Merphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Methyl parathion	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Mevinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Monocrotophos	2	mg/kg	< 2	< 2	< 2
Naled	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Omethoate	2	mg/kg	< 2	< 2	< 2
Phorate	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Pirimiphos-methyl	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Pyrazophos	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Ronnel	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Terbufos	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Tetrachlorvinphos	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Tokuthion	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Trichloronate	0.2	mg/kg	< 0.2	< 0.2	< 0.2
Triphenylphosphate (surr.)	1	%	131	117	122
Polychlorinated Biphenyls					
Aroclor-1016	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Aroclor-1221	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Aroclor-1232	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Aroclor-1242	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Aroclor-1248	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Aroclor-1254	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Aroclor-1260	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Total PCB*	0.5	mg/kg	< 0.5	< 0.5	< 0.5
Dibutylchlorendate (surr.)	1	%	INT	INT	140
Tetrachloro-m-xylene (surr.)	1	%	95	83	93
Total Recoverable Hydrocarbons - 2013 NEPM Fractions					
TRH >C10-C16	50	mg/kg	< 50	< 50	< 50
TRH >C16-C34	100	mg/kg	< 100	< 100	< 100
TRH >C34-C40	100	mg/kg	< 100	< 100	< 100
TRH >C10-C40 (total)*	100	mg/kg	< 100	< 100	< 100
Metals M8					
Arsenic	2	mg/kg	2.1	2.7	2.7
Cadmium	0.4	mg/kg	< 0.4	< 0.4	< 0.4
Chromium	5	mg/kg	6.7	9.4	7.4
Copper	5	mg/kg	82	100	76
Lead	5	mg/kg	23	34	17
Mercury	0.1	mg/kg	< 0.1	< 0.1	< 0.1
Nickel	5	mg/kg	< 5	< 5	< 5
Zinc	5	mg/kg	34	42	37
% Moisture	1	%	34	30	21

Sample History

Where samples are submitted/analysed over several days, the last date of extraction and analysis is reported. A recent review of our LIMS has resulted in the correction or clarification of some method identifications. Due to this, some of the method reference information on reports has changed. However, no substantive change has been made to our laboratory methods, and as such there is no change in the validity of current or previous results.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Total Recoverable Hydrocarbons - 1999 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Sydney	May 19, 2020	14 Days
BTEX - Method: LTM-ORG-2010 TRH C6-C40	Sydney	May 19, 2020	14 Days
Total Recoverable Hydrocarbons - 2013 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Sydney	May 19, 2020	14 Days
Polycyclic Aromatic Hydrocarbons - Method: LTM-ORG-2130 PAH and Phenols in Soil and Water	Sydney	May 19, 2020	14 Days
Total Recoverable Hydrocarbons - 2013 NEPM Fractions - Method: LTM-ORG-2010 TRH C6-C40	Sydney	May 19, 2020	
Metals M8 - Method: LTM-MET-3040 Metals in Waters, Soils & Sediments by ICP-MS	Sydney	May 19, 2020	180 Days
Organochlorine Pesticides - Method: LTM-ORG-2220 OCP & PCB in Soil and Water	Sydney	May 19, 2020	14 Days
Organophosphorus Pesticides - Method: LTM-ORG-2200 Organophosphorus Pesticides by GC-MS	Sydney	May 19, 2020	14 Days
Polychlorinated Biphenyls - Method: LTM-ORG-2220 OCP & PCB in Soil and Water	Sydney	May 19, 2020	28 Days
% Moisture - Method: LTM-GEN-7080 Moisture	Sydney	May 18, 2020	14 Days

Australia

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Phone : +64 9 526 45 51
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43 Detroit Drive
Rolleston, Christchurch 7675
Phone : 0800 856 450
IANZ # 1290

Company Name: Cardno Pty Ltd (WOLL)
Address: Ground Floor, 16 Burelli Street
Wollongong
NSW 2500

Project Name: MILTON SI
Project ID: 80820243

Order No.:
Report #: 720003
Phone: 02 4231 9672
Fax:

Received: May 18, 2020 1:58 PM
Due: May 21, 2020
Priority: 3 Day
Contact Name: Mitch Blencowe

Eurofins Analytical Services Manager : Ursula Long

Sample Detail						Eurofins mgt Suite B15	Moisture Set	Eurofins mgt Suite B7
Melbourne Laboratory - NATA Site # 1254 & 14271								
Sydney Laboratory - NATA Site # 18217						X	X	X
Brisbane Laboratory - NATA Site # 20794								
Perth Laboratory - NATA Site # 23736								
External Laboratory								
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID			
1	SS1	May 15, 2020		Soil	W20-My24825	X	X	X
2	SS2	May 15, 2020		Soil	W20-My24826	X	X	X
3	SS3	May 15, 2020		Soil	W20-My24827	X	X	X
Test Counts						3	3	3

Internal Quality Control Review and Glossary

General

- Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013 and are included in this QC report where applicable. Additional QC data may be available on request.
- All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
- All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
- Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
- Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
- SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
- Samples were analysed on an 'as received' basis.
- Information identified on this report with blue colour, indicates data provided by customer, that may have an impact on the results.
- This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

****NOTE:** pH duplicates are reported as a range NOT as RPD

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: Nephelometric Turbidity Units

MPN/100mL: Most Probable Number of organisms per 100 millilitres

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 and 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.
USEPA	United States Environmental Protection Agency
APHA	American Public Health Association
TCLP	Toxicity Characteristic Leaching Procedure
COC	Chain of Custody
SRA	Sample Receipt Advice
QSM	US Department of Defense Quality Systems Manual Version 5.3
CP	Client Parent - QC was performed on samples pertaining to this report
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
TEQ	Toxic Equivalency Quotient

QC - Acceptance Criteria

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR : No Limit

Results between 10-20 times the LOR : RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

Surrogate Recoveries: Recoveries must lie between 20-130% Phenols & 50-150% PFASs

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.3 where no positive PFAS results have been reported have been reviewed and no data was affected.

WA DWER (n=10): PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC Data General Comments

- 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.
- 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.
- Organochlorine Pesticide analysis - where reporting LCS data, Toxaphene & Chlordane are not added to the LCS.
- Organochlorine Pesticide analysis - where reporting Spike data, Toxaphene is not added to the Spike.
- 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.
- pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
- Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
- Polychlorinated Biphenyls are spiked only using Aroclor 1260 in Matrix Spikes and LCS.
- For Matrix Spikes and LCS results a dash " - " in the report means that the specific analyte was not added to the QC sample.
- Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test	Units	Result 1		Acceptance Limits	Pass Limits	Qualifying Code
Method Blank						
Total Recoverable Hydrocarbons - 1999 NEPM Fractions						
TRH C6-C9	mg/kg	< 20		20	Pass	
TRH C10-C14	mg/kg	< 20		20	Pass	
TRH C15-C28	mg/kg	< 50		50	Pass	
TRH C29-C36	mg/kg	< 50		50	Pass	
Method Blank						
BTEX						
Benzene	mg/kg	< 0.1		0.1	Pass	
Toluene	mg/kg	< 0.1		0.1	Pass	
Ethylbenzene	mg/kg	< 0.1		0.1	Pass	
m&p-Xylenes	mg/kg	< 0.2		0.2	Pass	
o-Xylene	mg/kg	< 0.1		0.1	Pass	
Xylenes - Total*	mg/kg	< 0.3		0.3	Pass	
Method Blank						
Total Recoverable Hydrocarbons - 2013 NEPM Fractions						
Naphthalene	mg/kg	< 0.5		0.5	Pass	
TRH C6-C10	mg/kg	< 20		20	Pass	
Method Blank						
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	mg/kg	< 0.5		0.5	Pass	
Acenaphthylene	mg/kg	< 0.5		0.5	Pass	
Anthracene	mg/kg	< 0.5		0.5	Pass	
Benz(a)anthracene	mg/kg	< 0.5		0.5	Pass	
Benzo(a)pyrene	mg/kg	< 0.5		0.5	Pass	
Benzo(b&j)fluoranthene	mg/kg	< 0.5		0.5	Pass	
Benzo(g,h,i)perylene	mg/kg	< 0.5		0.5	Pass	
Benzo(k)fluoranthene	mg/kg	< 0.5		0.5	Pass	
Chrysene	mg/kg	< 0.5		0.5	Pass	
Dibenz(a,h)anthracene	mg/kg	< 0.5		0.5	Pass	
Fluoranthene	mg/kg	< 0.5		0.5	Pass	
Fluorene	mg/kg	< 0.5		0.5	Pass	
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.5		0.5	Pass	
Naphthalene	mg/kg	< 0.5		0.5	Pass	
Phenanthrene	mg/kg	< 0.5		0.5	Pass	
Pyrene	mg/kg	< 0.5		0.5	Pass	
Method Blank						
Organochlorine Pesticides						
Chlordanes - Total	mg/kg	< 0.1		0.1	Pass	
4,4'-DDD	mg/kg	< 0.05		0.05	Pass	
4,4'-DDE	mg/kg	< 0.05		0.05	Pass	
4,4'-DDT	mg/kg	< 0.05		0.05	Pass	
a-BHC	mg/kg	< 0.05		0.05	Pass	
Aldrin	mg/kg	< 0.05		0.05	Pass	
b-BHC	mg/kg	< 0.05		0.05	Pass	
d-BHC	mg/kg	< 0.05		0.05	Pass	
Dieldrin	mg/kg	< 0.05		0.05	Pass	
Endosulfan I	mg/kg	< 0.05		0.05	Pass	
Endosulfan II	mg/kg	< 0.05		0.05	Pass	
Endosulfan sulphate	mg/kg	< 0.05		0.05	Pass	
Endrin	mg/kg	< 0.05		0.05	Pass	
Endrin aldehyde	mg/kg	< 0.05		0.05	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Endrin ketone	mg/kg	< 0.05			0.05	Pass	
g-BHC (Lindane)	mg/kg	< 0.05			0.05	Pass	
Heptachlor	mg/kg	< 0.05			0.05	Pass	
Heptachlor epoxide	mg/kg	< 0.05			0.05	Pass	
Hexachlorobenzene	mg/kg	< 0.05			0.05	Pass	
Methoxychlor	mg/kg	< 0.2			0.2	Pass	
Toxaphene	mg/kg	< 1			1	Pass	
Method Blank							
Organophosphorus Pesticides							
Azinphos-methyl	mg/kg	< 0.2			0.2	Pass	
Bolstar	mg/kg	< 0.2			0.2	Pass	
Chlorfenvinphos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos	mg/kg	< 0.2			0.2	Pass	
Chlorpyrifos-methyl	mg/kg	< 0.2			0.2	Pass	
Coumaphos	mg/kg	< 2			2	Pass	
Demeton-S	mg/kg	< 0.2			0.2	Pass	
Demeton-O	mg/kg	< 0.2			0.2	Pass	
Diazinon	mg/kg	< 0.2			0.2	Pass	
Dichlorvos	mg/kg	< 0.2			0.2	Pass	
Dimethoate	mg/kg	< 0.2			0.2	Pass	
Disulfoton	mg/kg	< 0.2			0.2	Pass	
EPN	mg/kg	< 0.2			0.2	Pass	
Ethion	mg/kg	< 0.2			0.2	Pass	
Ethoprop	mg/kg	< 0.2			0.2	Pass	
Ethyl parathion	mg/kg	< 0.2			0.2	Pass	
Fenitrothion	mg/kg	< 0.2			0.2	Pass	
Fensulfothion	mg/kg	< 0.2			0.2	Pass	
Fenthion	mg/kg	< 0.2			0.2	Pass	
Malathion	mg/kg	< 0.2			0.2	Pass	
Merphos	mg/kg	< 0.2			0.2	Pass	
Methyl parathion	mg/kg	< 0.2			0.2	Pass	
Mevinphos	mg/kg	< 0.2			0.2	Pass	
Monocrotophos	mg/kg	< 2			2	Pass	
Naled	mg/kg	< 0.2			0.2	Pass	
Omethoate	mg/kg	< 2			2	Pass	
Phorate	mg/kg	< 0.2			0.2	Pass	
Pirimiphos-methyl	mg/kg	< 0.2			0.2	Pass	
Pyrazophos	mg/kg	< 0.2			0.2	Pass	
Ronnel	mg/kg	< 0.2			0.2	Pass	
Terbufos	mg/kg	< 0.2			0.2	Pass	
Tetrachlorvinphos	mg/kg	< 0.2			0.2	Pass	
Tokuthion	mg/kg	< 0.2			0.2	Pass	
Trichloronate	mg/kg	< 0.2			0.2	Pass	
Method Blank							
Polychlorinated Biphenyls							
Aroclor-1016	mg/kg	< 0.5			0.5	Pass	
Aroclor-1221	mg/kg	< 0.1			0.1	Pass	
Aroclor-1232	mg/kg	< 0.5			0.5	Pass	
Aroclor-1242	mg/kg	< 0.5			0.5	Pass	
Aroclor-1248	mg/kg	< 0.5			0.5	Pass	
Aroclor-1254	mg/kg	< 0.5			0.5	Pass	
Aroclor-1260	mg/kg	< 0.5			0.5	Pass	
Total PCB*	mg/kg	< 0.5			0.5	Pass	
Method Blank							

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
TRH >C10-C16	mg/kg	< 50			50	Pass	
TRH >C16-C34	mg/kg	< 100			100	Pass	
TRH >C34-C40	mg/kg	< 100			100	Pass	
Method Blank							
Metals M8							
Arsenic	mg/kg	< 2			2	Pass	
Cadmium	mg/kg	< 0.4			0.4	Pass	
Chromium	mg/kg	< 5			5	Pass	
Copper	mg/kg	< 5			5	Pass	
Lead	mg/kg	< 5			5	Pass	
Mercury	mg/kg	< 0.1			0.1	Pass	
Nickel	mg/kg	< 5			5	Pass	
Zinc	mg/kg	< 5			5	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 1999 NEPM Fractions							
TRH C6-C9	%	103			70-130	Pass	
TRH C10-C14	%	75			70-130	Pass	
LCS - % Recovery							
BTEX							
Benzene	%	92			70-130	Pass	
Toluene	%	103			70-130	Pass	
Ethylbenzene	%	107			70-130	Pass	
m&p-Xylenes	%	110			70-130	Pass	
o-Xylene	%	110			70-130	Pass	
Xylenes - Total*	%	110			70-130	Pass	
LCS - % Recovery							
Total Recoverable Hydrocarbons - 2013 NEPM Fractions							
Naphthalene	%	113			70-130	Pass	
TRH C6-C10	%	104			70-130	Pass	
LCS - % Recovery							
Polycyclic Aromatic Hydrocarbons							
Acenaphthene	%	94			70-130	Pass	
Acenaphthylene	%	104			70-130	Pass	
Anthracene	%	95			70-130	Pass	
Benz(a)anthracene	%	98			70-130	Pass	
Benzo(a)pyrene	%	100			70-130	Pass	
Benzo(b&j)fluoranthene	%	97			70-130	Pass	
Benzo(g,h,i)perylene	%	98			70-130	Pass	
Benzo(k)fluoranthene	%	97			70-130	Pass	
Chrysene	%	99			70-130	Pass	
Dibenz(a,h)anthracene	%	94			70-130	Pass	
Fluoranthene	%	95			70-130	Pass	
Fluorene	%	93			70-130	Pass	
Indeno(1,2,3-cd)pyrene	%	96			70-130	Pass	
Naphthalene	%	100			70-130	Pass	
Phenanthrene	%	98			70-130	Pass	
Pyrene	%	98			70-130	Pass	
LCS - % Recovery							
Organochlorine Pesticides							
Chlordanes - Total	%	101			70-130	Pass	
4,4'-DDD	%	75			70-130	Pass	
4,4'-DDE	%	75			70-130	Pass	
4,4'-DDT	%	87			70-130	Pass	

Test	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code	
a-BHC	%	82			70-130	Pass		
Aldrin	%	71			70-130	Pass		
b-BHC	%	78			70-130	Pass		
d-BHC	%	84			70-130	Pass		
Dieldrin	%	85			70-130	Pass		
Endosulfan I	%	82			70-130	Pass		
Endosulfan II	%	84			70-130	Pass		
Endosulfan sulphate	%	83			70-130	Pass		
Endrin	%	86			70-130	Pass		
Endrin aldehyde	%	78			70-130	Pass		
Endrin ketone	%	87			70-130	Pass		
g-BHC (Lindane)	%	79			70-130	Pass		
Heptachlor	%	87			70-130	Pass		
Heptachlor epoxide	%	96			70-130	Pass		
Hexachlorobenzene	%	79			70-130	Pass		
Methoxychlor	%	81			70-130	Pass		
LCS - % Recovery								
Organophosphorus Pesticides								
Diazinon	%	72			70-130	Pass		
Dimethoate	%	75			70-130	Pass		
Ethion	%	118			70-130	Pass		
Fenitrothion	%	118			70-130	Pass		
Methyl parathion	%	123			70-130	Pass		
Mevinphos	%	74			70-130	Pass		
LCS - % Recovery								
Polychlorinated Biphenyls								
Aroclor-1016	%	110			70-130	Pass		
Aroclor-1260	%	99			70-130	Pass		
LCS - % Recovery								
Total Recoverable Hydrocarbons - 2013 NEPM Fractions								
TRH >C10-C16	%	77			70-130	Pass		
LCS - % Recovery								
Metals M8								
Arsenic	%	102			70-130	Pass		
Cadmium	%	94			70-130	Pass		
Chromium	%	94			70-130	Pass		
Copper	%	91			70-130	Pass		
Lead	%	94			70-130	Pass		
Mercury	%	95			70-130	Pass		
Nickel	%	91			70-130	Pass		
Zinc	%	91			70-130	Pass		
Test	Lab Sample ID	QA Source	Units	Result 1		Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery								
Total Recoverable Hydrocarbons - 1999 NEPM Fractions								
				Result 1				
TRH C6-C9	S20-My23807	NCP	%	93		70-130	Pass	
TRH C10-C14	S20-My19436	NCP	%	70		70-130	Pass	
Spike - % Recovery								
BTEX								
				Result 1				
Benzene	S20-My23807	NCP	%	86		70-130	Pass	
Toluene	S20-My23807	NCP	%	95		70-130	Pass	
Ethylbenzene	S20-My23807	NCP	%	100		70-130	Pass	
m&p-Xylenes	S20-My23807	NCP	%	105		70-130	Pass	
o-Xylene	S20-My23807	NCP	%	106		70-130	Pass	
Xylenes - Total*	S20-My23807	NCP	%	105		70-130	Pass	

Test	Lab Sample ID	QA Source	Units	Result 1		Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery								
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1				
Naphthalene	S20-My23807	NCP	%	103		70-130	Pass	
TRH C6-C10	S20-My23807	NCP	%	95		70-130	Pass	
Spike - % Recovery								
Polycyclic Aromatic Hydrocarbons				Result 1				
Acenaphthene	S20-My27289	NCP	%	121		70-130	Pass	
Acenaphthylene	S20-My27289	NCP	%	98		70-130	Pass	
Anthracene	S20-My27289	NCP	%	86		70-130	Pass	
Benz(a)anthracene	S20-My27289	NCP	%	76		70-130	Pass	
Benzo(a)pyrene	S20-My27289	NCP	%	66		70-130	Fail	Q08
Benzo(b&i)fluoranthene	S20-My27289	NCP	%	81		70-130	Pass	
Benzo(g,h,i)perylene	S20-My27289	NCP	%	75		70-130	Pass	
Benzo(k)fluoranthene	S20-My27289	NCP	%	71		70-130	Pass	
Chrysene	S20-My27289	NCP	%	72		70-130	Pass	
Dibenz(a,h)anthracene	S20-My27289	NCP	%	78		70-130	Pass	
Fluoranthene	S20-My27289	NCP	%	76		70-130	Pass	
Fluorene	S20-My27289	NCP	%	87		70-130	Pass	
Indeno(1,2,3-cd)pyrene	S20-My27289	NCP	%	78		70-130	Pass	
Naphthalene	S20-My27289	NCP	%	82		70-130	Pass	
Phenanthrene	S20-My27289	NCP	%	91		70-130	Pass	
Pyrene	S20-My27289	NCP	%	71		70-130	Pass	
Spike - % Recovery								
Organochlorine Pesticides				Result 1				
Chlordanes - Total	S20-My27289	NCP	%	92		70-130	Pass	
4,4'-DDD	S20-My27289	NCP	%	75		70-130	Pass	
4,4'-DDE	S20-My27289	NCP	%	76		70-130	Pass	
4,4'-DDT	S20-My27289	NCP	%	84		70-130	Pass	
a-BHC	S20-My27289	NCP	%	84		70-130	Pass	
Aldrin	S20-My27289	NCP	%	74		70-130	Pass	
b-BHC	S20-My27289	NCP	%	81		70-130	Pass	
d-BHC	S20-My27289	NCP	%	90		70-130	Pass	
Dieldrin	S20-My08938	NCP	%	100		70-130	Pass	
Endosulfan I	S20-My27289	NCP	%	82		70-130	Pass	
Endosulfan II	S20-My27289	NCP	%	84		70-130	Pass	
Endosulfan sulphate	S20-My27289	NCP	%	83		70-130	Pass	
Endrin	S20-My08938	NCP	%	122		70-130	Pass	
Endrin aldehyde	S20-My08938	NCP	%	112		70-130	Pass	
Endrin ketone	S20-My27289	NCP	%	88		70-130	Pass	
g-BHC (Lindane)	S20-My27289	NCP	%	93		70-130	Pass	
Heptachlor	S20-My27289	NCP	%	80		70-130	Pass	
Heptachlor epoxide	S20-My27289	NCP	%	87		70-130	Pass	
Hexachlorobenzene	S20-My27289	NCP	%	97		70-130	Pass	
Methoxychlor	S20-My27289	NCP	%	82		70-130	Pass	
Spike - % Recovery								
Organophosphorus Pesticides				Result 1				
Diazinon	S20-My27289	NCP	%	76		70-130	Pass	
Dimethoate	S20-My27289	NCP	%	80		70-130	Pass	
Ethion	S20-My27289	NCP	%	105		70-130	Pass	
Fenitrothion	S20-My27289	NCP	%	97		70-130	Pass	
Methyl parathion	S20-My27289	NCP	%	110		70-130	Pass	
Mevinphos	S20-My27289	NCP	%	91		70-130	Pass	
Spike - % Recovery								
Polychlorinated Biphenyls				Result 1				

Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Aroclor-1016	W20-My11673	NCP	%	76			70-130	Pass	
Aroclor-1260	S20-My27289	NCP	%	113			70-130	Pass	
Spike - % Recovery									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1					
TRH >C10-C16	S20-My19436	NCP	%	70			70-130	Pass	
Spike - % Recovery									
Metals M8				Result 1					
Arsenic	S20-My19333	NCP	%	125			70-130	Pass	
Cadmium	S20-My19333	NCP	%	115			70-130	Pass	
Chromium	S20-My19333	NCP	%	115			70-130	Pass	
Copper	S20-My19333	NCP	%	112			70-130	Pass	
Lead	S20-My19333	NCP	%	123			70-130	Pass	
Mercury	S20-My19333	NCP	%	121			70-130	Pass	
Nickel	S20-My19333	NCP	%	116			70-130	Pass	
Zinc	S20-My19333	NCP	%	118			70-130	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C6-C9	S20-My23804	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
BTEX				Result 1	Result 2	RPD			
Benzene	S20-My23804	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Toluene	S20-My23804	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Ethylbenzene	S20-My23804	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
m&p-Xylenes	S20-My23804	NCP	mg/kg	< 0.2	< 0.2	<1	30%	Pass	
o-Xylene	S20-My23804	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Xylenes - Total*	S20-My23804	NCP	mg/kg	< 0.3	< 0.3	<1	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD			
Naphthalene	S20-My23804	NCP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
TRH C6-C10	S20-My23804	NCP	mg/kg	< 20	< 20	<1	30%	Pass	
Duplicate									
Metals M8				Result 1	Result 2	RPD			
Arsenic	N20-My19648	NCP	mg/kg	14	14	4.0	30%	Pass	
Cadmium	N20-My19648	NCP	mg/kg	< 0.4	< 0.4	<1	30%	Pass	
Chromium	N20-My19648	NCP	mg/kg	17	17	3.0	30%	Pass	
Copper	N20-My19648	NCP	mg/kg	30	31	3.0	30%	Pass	
Lead	N20-My19648	NCP	mg/kg	28	29	2.0	30%	Pass	
Mercury	N20-My19648	NCP	mg/kg	< 0.1	< 0.1	<1	30%	Pass	
Nickel	N20-My19648	NCP	mg/kg	8.6	9.0	5.0	30%	Pass	
Zinc	N20-My19648	NCP	mg/kg	46	48	4.0	30%	Pass	
Duplicate									
Total Recoverable Hydrocarbons - 1999 NEPM Fractions				Result 1	Result 2	RPD			
TRH C10-C14	W20-My24826	CP	mg/kg	< 20	< 20	<1	30%	Pass	
TRH C15-C28	W20-My24826	CP	mg/kg	< 50	< 50	<1	30%	Pass	
TRH C29-C36	W20-My24826	CP	mg/kg	< 50	< 50	<1	30%	Pass	
Duplicate									
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD			
Acenaphthene	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Acenaphthylene	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Anthracene	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benz(a)anthracene	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(a)pyrene	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	
Benzo(b&j)fluoranthene	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass	

Duplicate								
Polycyclic Aromatic Hydrocarbons				Result 1	Result 2	RPD		
Benzo(g,h,i)perylene	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Benzo(k)fluoranthene	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Chrysene	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Dibenz(a,h)anthracene	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Fluoranthene	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Fluorene	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Indeno(1,2,3-cd)pyrene	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Naphthalene	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Phenanthrene	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Pyrene	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Organochlorine Pesticides				Result 1	Result 2	RPD		
Chlordanes - Total	W20-My24826	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
4,4'-DDD	W20-My24826	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
4,4'-DDE	W20-My24826	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
4,4'-DDT	W20-My24826	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
a-BHC	W20-My24826	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Aldrin	W20-My24826	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
b-BHC	W20-My24826	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
d-BHC	W20-My24826	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Dieldrin	W20-My24826	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endosulfan I	W20-My24826	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endosulfan II	W20-My24826	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endosulfan sulphate	W20-My24826	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endrin	W20-My24826	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endrin aldehyde	W20-My24826	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Endrin ketone	W20-My24826	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
g-BHC (Lindane)	W20-My24826	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Heptachlor	W20-My24826	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Heptachlor epoxide	W20-My24826	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Hexachlorobenzene	W20-My24826	CP	mg/kg	< 0.05	< 0.05	<1	30%	Pass
Methoxychlor	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Toxaphene	W20-My24826	CP	mg/kg	< 1	< 1	<1	30%	Pass
Duplicate								
Organophosphorus Pesticides				Result 1	Result 2	RPD		
Azinphos-methyl	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Bolstar	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Chlorfenvinphos	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Chlorpyrifos	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Chlorpyrifos-methyl	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Coumaphos	W20-My24826	CP	mg/kg	< 2	< 2	<1	30%	Pass
Demeton-S	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Demeton-O	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Diazinon	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Dichlorvos	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Dimethoate	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Disulfoton	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
EPN	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Ethion	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Ethoprop	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Ethyl parathion	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Fenitrothion	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Fensulfthion	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Fenthion	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass

Duplicate								
Organophosphorus Pesticides				Result 1	Result 2	RPD		
Malathion	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Merphos	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Methyl parathion	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Mevinphos	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Monocrotophos	W20-My24826	CP	mg/kg	< 2	< 2	<1	30%	Pass
Naled	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Omethoate	W20-My24826	CP	mg/kg	< 2	< 2	<1	30%	Pass
Phorate	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Pirimiphos-methyl	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Pyrazophos	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Ronnel	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Terbufos	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Tetrachlorvinphos	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Tokuthion	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Trichloronate	W20-My24826	CP	mg/kg	< 0.2	< 0.2	<1	30%	Pass
Duplicate								
Polychlorinated Biphenyls				Result 1	Result 2	RPD		
Aroclor-1016	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Aroclor-1221	W20-My24826	CP	mg/kg	< 0.1	< 0.1	<1	30%	Pass
Aroclor-1232	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Aroclor-1242	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Aroclor-1248	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Aroclor-1254	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Aroclor-1260	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Total PCB*	W20-My24826	CP	mg/kg	< 0.5	< 0.5	<1	30%	Pass
Duplicate								
Total Recoverable Hydrocarbons - 2013 NEPM Fractions				Result 1	Result 2	RPD		
TRH >C10-C16	W20-My24826	CP	mg/kg	< 50	< 50	<1	30%	Pass
TRH >C16-C34	W20-My24826	CP	mg/kg	< 100	< 100	<1	30%	Pass
TRH >C34-C40	W20-My24826	CP	mg/kg	< 100	< 100	<1	30%	Pass
Duplicate								
% Moisture	W20-My24827	CP	%	21	21	2.0	30%	Pass

Comments
Sample Integrity

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	Yes
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Qualifier Codes/Comments

Code	Description
N01	F2 is determined by arithmetically subtracting the "naphthalene" value from the ">C10-C16" value. The naphthalene value used in this calculation is obtained from volatiles (Purge & Trap analysis).
N02	Where we have reported both volatile (P&T GCMS) and semivolatile (GCMS) naphthalene data, results may not be identical. Provided correct sample handling protocols have been followed, any observed differences in results are likely to be due to procedural differences within each methodology. Results determined by both techniques have passed all QAQC acceptance criteria, and are entirely technically valid.
N04	F1 is determined by arithmetically subtracting the "Total BTEX" value from the "C6-C10" value. The "Total BTEX" value is obtained by summing the concentrations of BTEX analytes. The "C6-C10" value is obtained by quantitating against a standard of mixed aromatic/aliphatic analytes.
N07	Please note:- These two PAH isomers closely co-elute using the most contemporary analytical methods and both the reported concentration (and the TEQ) apply specifically to the total of the two co-eluting PAHs
Q08	The matrix spike recovery is outside of the recommended acceptance criteria. An acceptable recovery was obtained for the laboratory control sample indicating a sample matrix interference.

Authorised By

Ursula Long	Analytical Services Manager
Andrew Sullivan	Senior Analyst-Organic (NSW)
Gabriele Cordero	Senior Analyst-Metal (NSW)


**Glenn Jackson
General Manager**

Final report - this Report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

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