

12) Appendix K

**Aboriginal Heritage Due Diligence Assessment
Prepared by
Extent Heritage**

18 January 2022

Healing ONR Pty Limited
679-685 Old Northern Road
Dural NSW 2158

To Whom It May Concern,

Dural Health Hub, 679-685 Old Northern Road Dural – Aboriginal Due Diligence

We understand Healing ONR Pty Limited (Healing ONR) intends to develop 679-685 Old Northern Road Dural, Lot 3 DP395437 and Lot 1 DP120004 for a health services facility, as shown in the indicative concept design. To achieve this, a planning proposal is being prepared for the site by Healing ONR to Council requesting an additional permitted use for a health services facility and to increase the height control from 10.5m to 14m. The indicative concept design proposes a three-storey building with two levels of basement carparking. The indicative footprint of the basement carpark spans the two allotments meaning that deep excavation will be required across the study area. Extent Heritage Pty Ltd (Extent Heritage) have been engaged to prepare an Aboriginal heritage due diligence assessment for the proposed health services facility on the site (hereafter the “study area”; Figure 1).

This report identifies:

- whether or not there are any current Aboriginal heritage compliance requirements or permit approvals required under the NSW National Parks and Wildlife Act 1974 and related Heritage NSW regulations, codes and guidelines;
- any known approvals required under the federal Environmental Protection & Biodiversity Conservation Act 1999 or the Aboriginal & Torres Strait Islander Heritage Protection Act 1984; and
- any other Aboriginal heritage risks we have identified with respect to the study area and the indicative concept design.

In summary, a review of the environmental context and previous archaeological assessments of the area suggest that the study area retains low potential to contain Aboriginal archaeological material. The study area is situated on the upper slope of a ridgeline in an area of Glenorie soils. Our understanding of the soils in the region indicates that only the upper 10-30cm of natural soils would have any potential for the presence of Aboriginal objects. A review of historical documentation concluded that the soil profile is likely disturbed and/or removed by historical

EXTENT HERITAGE PTY LTD

ABN 24 608 666 306 ACN 608 666 306
info@extent.com.au
extent.com.au

SYDNEY

Level 3/73 Union St
Pyrmont
P 02 9555 4000

MELBOURNE

Level 1, 52 Holmes St
Brunswick East
P 03 9388 0622

BRISBANE

Level 12/344 Queen St
Brisbane
P 07 3051 0171

PERTH

Level 25/108 St Georges Tce
Perth
P 08 9381 5206

HOBART

54A Main Rd
Moonah
P 03 6134 8124

land use activities, which is likely to have resulted in the partial and/or total loss of the soil profile that is critical for the survivability of cultural deposits (if present).

A site inspection undertaken as part of the assessment confirmed this disturbance and the landform the study area is situated on, did not identify any Aboriginal sites, objects or places. Through undertaking an AHIMS search, the due diligence assessment identified no registered Aboriginal Objects or Places present within the study area. It is therefore considered that the proposal for a health service facility within the study area will have a low risk of causing harm to Aboriginal objects. Subsequently work may proceed with caution, and in accordance with the recommendations outlined in Part 12 of this report.

No further Aboriginal heritage investigations are currently required for the proposed health services facility and work can proceed with caution.

Please feel free to contact me to discuss the findings of our assessment should you have any questions or require further information.

Yours sincerely,



Francesca McMaster
Heritage Advisor | Extent Heritage

1. Legislative Protection for Aboriginal Heritage in NSW

All Aboriginal objects and places are protected in NSW under the *National Parks and Wildlife Act 1974*. Under Section 86 of the Act, it is an offence to knowingly or unwittingly disturb, destroy or deface Aboriginal objects. An offence under Section 86 of the *National Parks and Wildlife Act 1974* could result in prosecution and significant penalties.

Heritage NSW has established a series of regulations, codes and guidelines as a framework for managing Aboriginal heritage in NSW. The staged risk management process can be summarised in the following steps:

1. Any proposed activity that may cause harm to known Aboriginal Objects or Places (as defined by the National Parks and Wildlife Act 1974) will require an Aboriginal Heritage Impact Permit (AHIP) approval prior to commencement of that activity. Harm means desecrating, destroying, defacing, damaging or moving an Aboriginal object or declared Aboriginal Place.
2. An Aboriginal Cultural Heritage Assessment (ACHAR) report must be completed in support of an AHIP application to Heritage NSW.
3. There are a series of defences to prosecution available for 'low impact activities' under Section 58 of the National Parks and Wildlife Regulation 2019. These low impact exemptions are applicable only in areas that do not contain known Aboriginal Objects or gazetted Aboriginal Places.
4. The Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW (DECCW, 2010) provides risk-based guidance regarding when an Aboriginal Cultural Heritage Assessment (ACHAR) report should be prepared in advance of a development proposal. The risk-based process is based around identification of projects that are 'likely' to harm Aboriginal Objects or Places.

There are Commonwealth Government heritage compliance obligations under the Environmental Protection and Biodiversity Conservation (EPBC) Act 1999 and the Aboriginal and Torres Strait Islander Heritage Protection Act 1984 (ATSHPA) Act 1984 that fall outside the NSW state heritage management framework.

While most projects are not affected by Commonwealth requirements, there has been an increasing application of the Commonwealth legislation over the last ten years and therefore this due diligence assessment includes identification of any Commonwealth requirements that may apply to the project.

2. Project summary

Extent Heritage was commissioned by Healing ONR to undertake an Aboriginal heritage due diligence assessment for the proposed health services facility at 679-685 Old Northern Road Dural, within the Hornsby Local Government Area (Figure 1 and Figure 2). We understand that an indicative concept design has been prepared to support the planning proposal which identifies a three-storey health services facility with basement carparking. The indicative footprint of the proposed health services facility is provided in Figure 3.

3. Scope of work

The due diligence assessment scope of work included:

1. Search of the Heritage NSW Aboriginal Heritage Information Management System (AHIMS) to identify whether or not there are any known Aboriginal Objects, Places, potential archaeological deposits (PADs) or other site recordings within the study area;
2. Search of the World, National and Commonwealth heritage lists under the EPBC Act and a search of the Commonwealth Government Gazette for any relevant Declarations under the ATSIHPA;
3. Desktop review of key regional Aboriginal heritage studies and any previous studies in the study area to understand local Aboriginal site patterning and implications for archaeological potential within the study area. The desktop review also sought to identify any previously documented Aboriginal cultural, social or intangible values that may be relevant to the study area;
4. Desktop review of geological mapping, soil landscape mapping, NearMap high resolution aerial photographs and historical aerial photographs of the study area to identify landforms and environmental features within the study area. The review also sought to identify previous disturbance and landscape modifications that have occurred within the study area that may have affected its archaeological potential;
5. Site inspection to identify any Aboriginal sites visible on current exposed ground surfaces and any old growth native trees with potential to retain cultural scars or carving. The site inspection also included documentation of previous ground disturbance and modification;
6. Identification of whether or not permit approvals or further ACHAR assessment is required in accordance with the risk assessment processes set out in the *Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW* (DECCW, 2010).

4. Limitations

The due diligence assessment is not a formal Aboriginal Cultural Heritage Assessment Report and cannot be used to support Aboriginal Heritage Impact Permit applications to Heritage NSW. It did not include detailed field investigations, test excavation or formal community consultation with Registered Aboriginal Parties.

The assessment is limited to advice regarding Aboriginal heritage risks and compliance requirements. It does not include consideration of risks that may be associated with historical archaeology, built and urban heritage, maritime heritage, locally listed heritage schedule items, Native Title or landscape heritage.

The advice in the due diligence assessment is based on relevant Aboriginal heritage site register searches, desktop research, site inspection and identification of any heritage constraints, risks, and permit approval requirements.

5. Authorship

This report was written by Extent Heritage Pty Ltd. Francesca McMaster (heritage advisor) was the primary author. Mariska Marnane (GIS specialist) assisted with mapping and spatial analysis work. Andrew Costello (senior associate archaeologist) completed the technical and QA review.

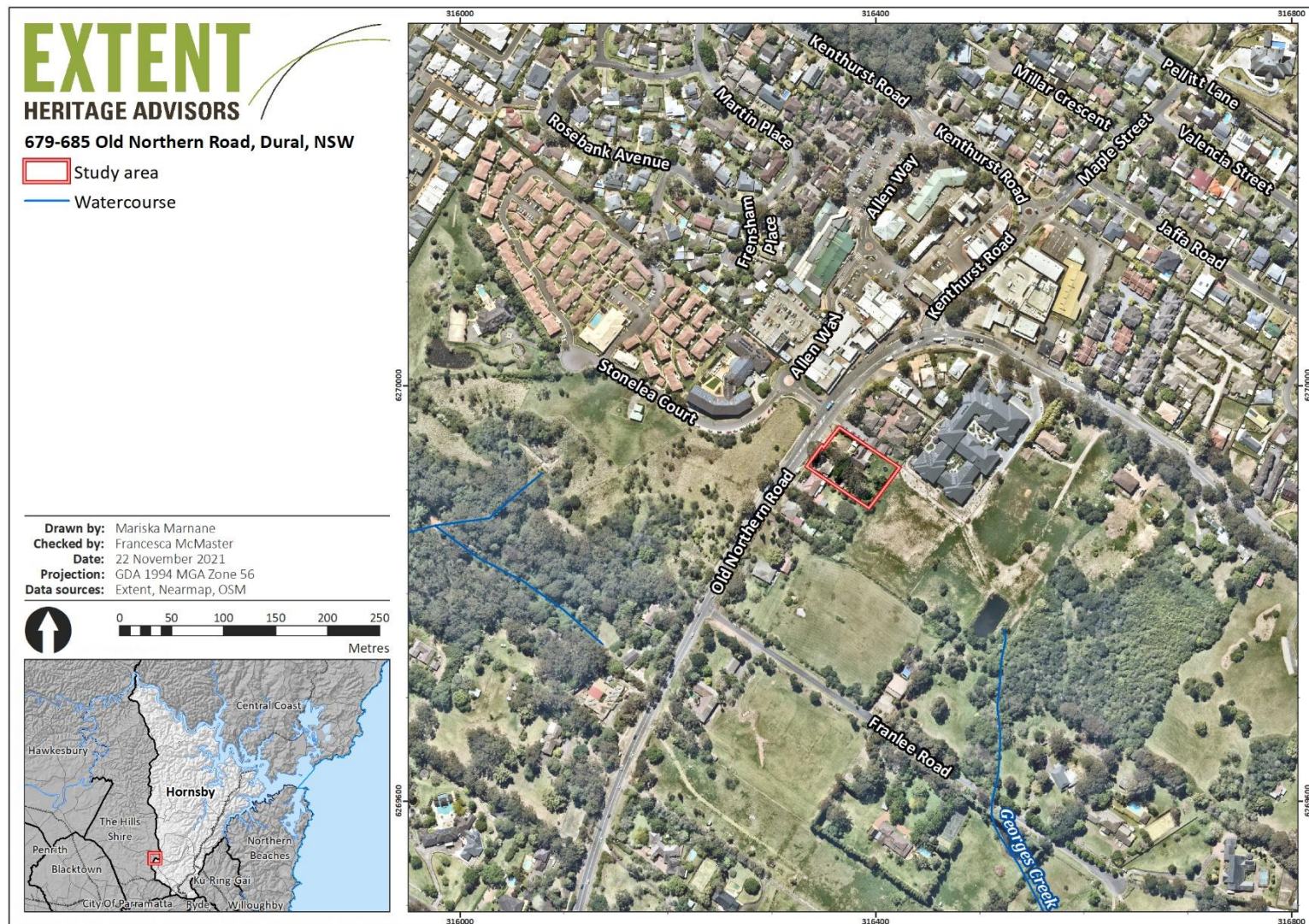


Figure 1. Study area in relation to the surrounding suburb of Dural and the Round Corner centre.

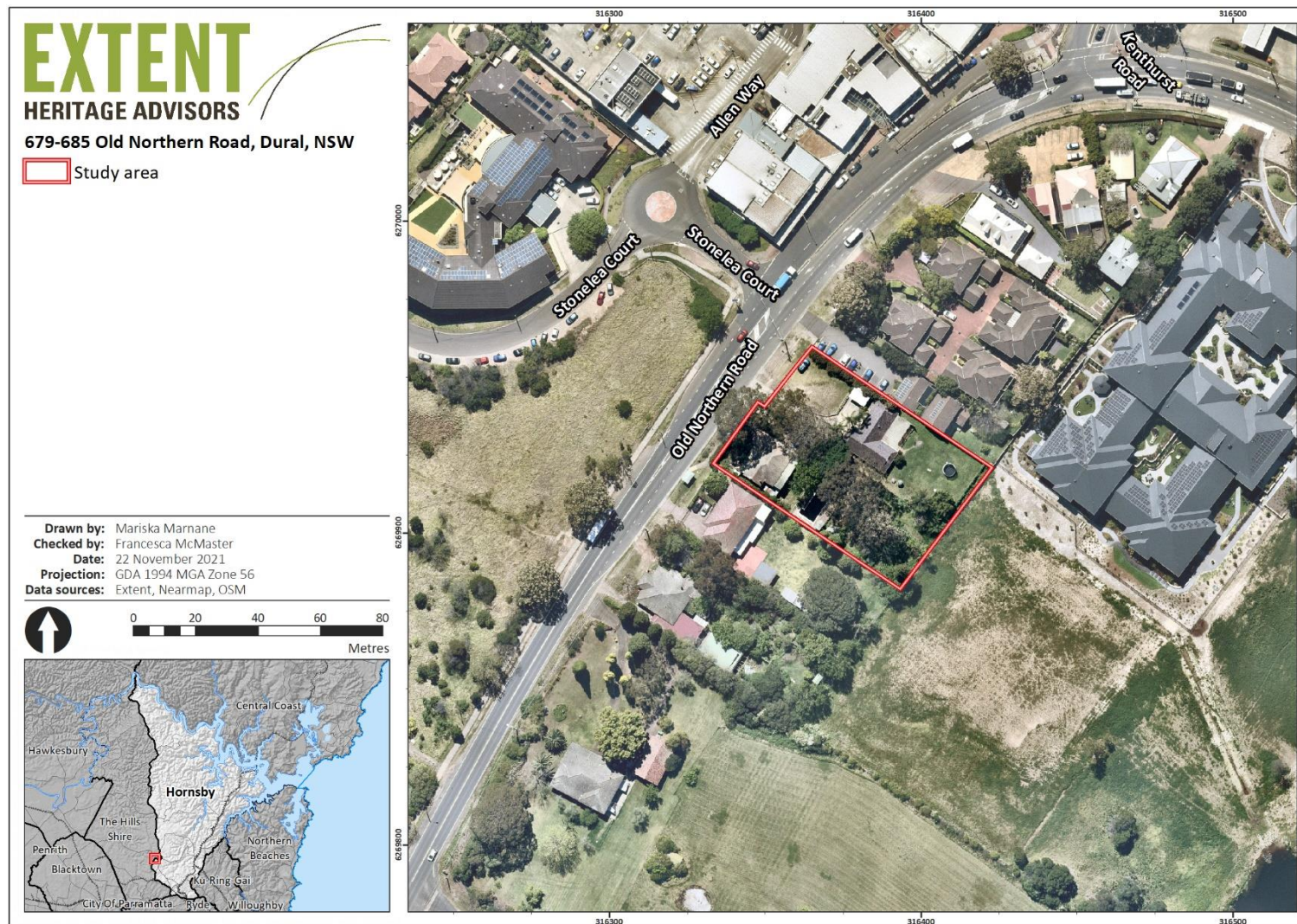


Figure 2. Detail of the study area and neighbouring properties.

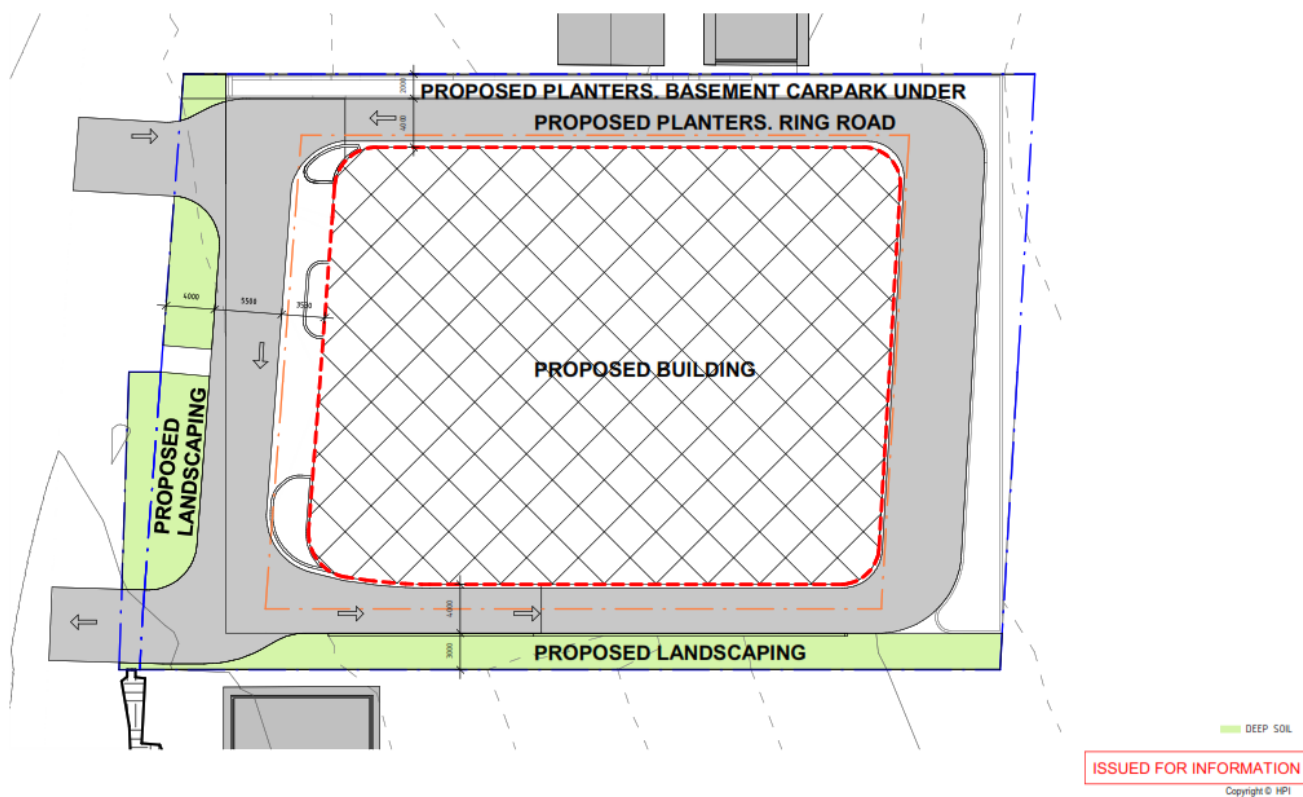


Figure 3. Proposed building footprint plan (Source: Health Projects International, Drawing IPD-SP-2, Issue 4, January 2022)).

6. Site register searches

6.1 AHIMS search

The Heritage NSW Aboriginal Heritage Information Management System (AHIMS) database includes a register of recorded Aboriginal Objects and Places, and other site and potential archaeological deposit records. It is important to note that the AHIMS database is not vetted – it can include inaccuracies in the location and description of site recordings. AHIMS includes registrations of Aboriginal Objects and Places that are legally protected under the ambit of the National Parks and Wildlife Act 1974 and it also includes other recordings that are not considered to be Aboriginal Objects or Places as defined by the National Parks and Wildlife Act. It is important that any records included on the AHIMS are verified and ground-truthed during ACHAR assessments to establish site status and confirm site locations.

An extensive search of the Heritage NSW AHIMS database was carried out on 18 November 2021 (Client ID: 639715) (Appendix B).

There are no registered Aboriginal sites within the study area (Figure 4).

There are 116 registered Aboriginal sites within an area measuring 14km east to west by 10km north to south surrounding the study area. The most common site features recorded are Artefact sites, as shown on Table 2 below.

Table 2. Site features recorded in the AHIMS search area.

Site Features	Number	%
Artefact	41	35.34
Artefact	41	35.34
Art (Pigment or Engraved)	32	27.59
Potential Archaeological Deposit (PAD)	9	7.76
Grinding Groove	7	6.03
Artefact, Art (Pigment or Engraved)	6	5.17
Aboriginal Resource Gathering	3	2.59
Artefact, Potential Archaeological Deposit (PAD)	3	2.59
Artefact, Grinding Groove	2	1.72
Artefact, Hearth	2	1.72
Grinding Groove, Art (Pigment or Engraved)	2	1.72
Stone Quarry	2	1.72
Art (Pigment or Engraved)	1	0.86

Site Features	Number	%
Art (Pigment or Engraved), Grinding Groove	1	0.86
Artefact, Art (Pigment or Engraved), Grinding Groove	1	0.86
Artefact, Habitation Structure, Potential Archaeological Deposit (PAD)	1	0.86
Grinding Groove, Artefact	1	0.86
Grinding Groove, Waterhole	1	0.86
Modified Tree (Carved or Scarred)	1	0.86
Total	116	100

6.2 EPBC Act search

A search of the *Environment Protection and Biodiversity Act 1999* (EPBC Act) lists indicates the study area does not include any items included under the National, Commonwealth or World lists.

6.3 ATSIHPA declarations search

A search of the Commonwealth Government Gazette indicates that there are no Section 9 (emergency declaration) or Section 10 (other declaration) declarations currently applicable to the study area.

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679-685 Old Northern Road, Dural, NSW

 Study area

 AHIMS search area

AHIMS search features within the search area

-  Aboriginal Resource and Gathering
-  Art (Pigment or Engraved)
-  Art (Pigment or Engraved), Artefact
-  Art (Pigment or Engraved), Grinding Groove
-  Artefact
-  Artefact, Art (Pigment or Engraved)
-  Artefact, Grinding Groove
-  Artefact, Grinding Groove, Art (Pigment or Engraved)
-  Artefact, Habitation Structure, Potential Archaeological Deposit (PAD)
-  Artefact, Hearth
-  Artefact, Potential Archaeological Deposit (PAD)
-  Grinding Groove
-  Grinding Groove, Art (Pigment or Engraved)
-  Grinding Groove, Artefact
-  Grinding Groove, Water Hole
-  Modified Tree (Carved or Scarred)
-  Potential Archaeological Deposit (PAD)
-  Stone Quarry

Drawn by: Mariska Marnane/Alexander Murphy
Checked by: Francesca McMaster
Date: 9 December 2021
Projection: GDA 1994 MGA Zone 56
Data sources: Extent, Nearmap, OSM



0 1 2 3 4 5
Kilometres

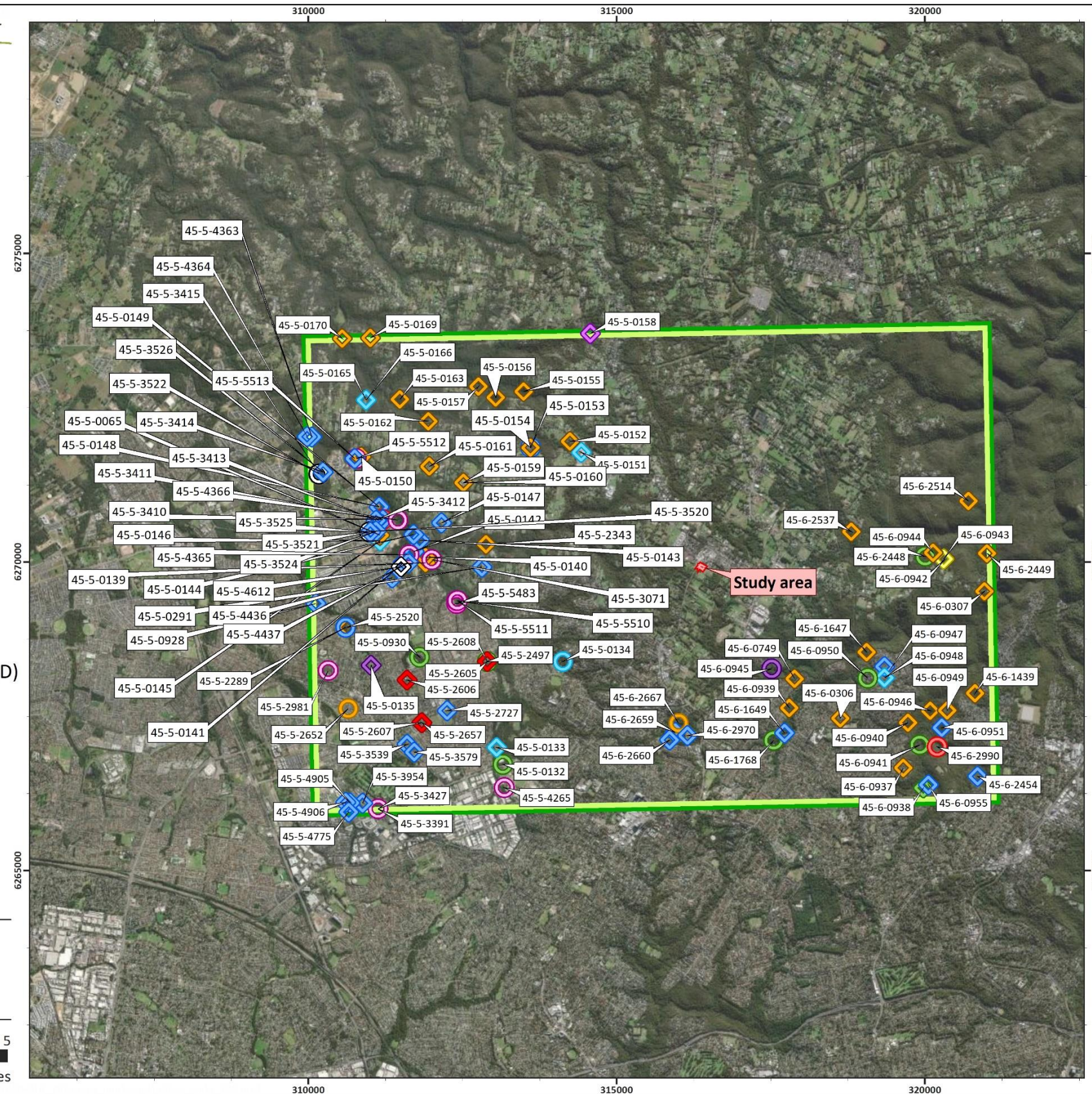


Figure 4. AHIMS sites near the study area. There are no AHIMS sites within 2km of the study area.

7. Desktop research – environment and landscape

7.1 Soil landscape mapping

The study area is located within the Glenorie soil landscape.

The local topography of the Glenorie soil landscape is characterised by low rolling to steep hills, with narrow ridges, hillcrests and valleys. Slopes are often 5-20%, though typically moderately inclined (10-15%), and the local relief is between 50-80m. Dominant soil materials in the Glenorie soil landscape includes friable dark brown pedal loam and hardsetting brown clay apedal loam (A horizons), overlaying a medium reddish-brown strongly pedal clay (B horizon). Soil materials in channels, such as parts of the Mars Creek channel, comprises humic gleys, consisting of brownish-grey silty clay ($\leq 100\text{cm}$), over mottled grey plastic clay. Ironstone nodules can often be found deep in the subsoil. On crests, friable loam ($< 15\text{cm}$) overlies hardsetting clay loam (10-30cm), over a B horizon of strongly pedal clay (30-100cm). On upper and mid-slopes, friable loam ($< 15\text{cm}$) overlies hardsetting clay loam (5-30cm) and strongly pedal plastic clay ($> 100\text{cm}$). On lower slopes, friable loam (10-60cm) overlies medium reddish-brown strongly pedal clay (100cm) and mottled grey plastic clay (20-100cm).

The Glenorie soil landscape forms the moderately steep and undulating topographic landscape typical of the North Sydney region. While moderately steep in some areas, the landscape is highly urbanised and modified, and sharp exposed sandstone reliefs are present in this area but often not without modification; this restricts a few archaeological site types, such as rock shelters and rock engravings which require these landscape features and are sensitive to modification. Archaeologically, the landscape is more likely to exhibit surface artefact scatters and buried cultural material.

The study area is situated on the upper slope of the ridgeline that Old Northern Road is situated on. The study area slopes down in an eastward direction.

7.2 Hydrology

An analysis of topographical mapping and NearMap high resolution aerial photographs indicates the study area lies in proximity to an arm of Dooral Dooral Creek, 150m to the south-west and Georges Creek 250m to the east. Dooral Dooral Creek is a tributary of Cattai Creek which in turn is a tributary of Dyarubbin (the Hawkesbury River), joining the river at Clarence Reach. Georges Creek is a tributary of Pyes Creek which is a tributary of Berowra Creek which runs through Berowra Valley to Berowra Waters and Dyarubbin to the north. As minor tributaries, Dooral Dooral and Georges Creek are both low order creeks (Figure 6).

While both waterways appear to have been modified in modern times, with construction of dams at the conclusion of both waterways, in proximity to the site, historical aeriels indicate that the watercourses (in the form of gullies) were present in roughly the same location in the 1940s prior to damming (Figure 5). Neither creek in close proximity to the study area appears to have

been permanent as both are at the cessation of the waterway, suggesting that the water supply would be dependent on the season. The closest permanent waterway appears to be the main arm of Dooral Dooral Creek, around 700m west of the study area.

Heritage NSW specifies five landscape features which are likely to indicate the presence of Aboriginal objects (DECCW, 2010):

- Within 200m of waters.
- Within a sand dune system.
- On a ridge top, ridge line or headland.
- Within 200m below or above a cliff face.
- Within 20m of or in a cave, rock shelter, or a cave mouth.

Based on analysis of topography and aerial photography, the study area is situated on the upper slope of a ridgeline, within 200m of a potential seasonal water source and 700m from a permanent water source (Dooral Dooral Creek).

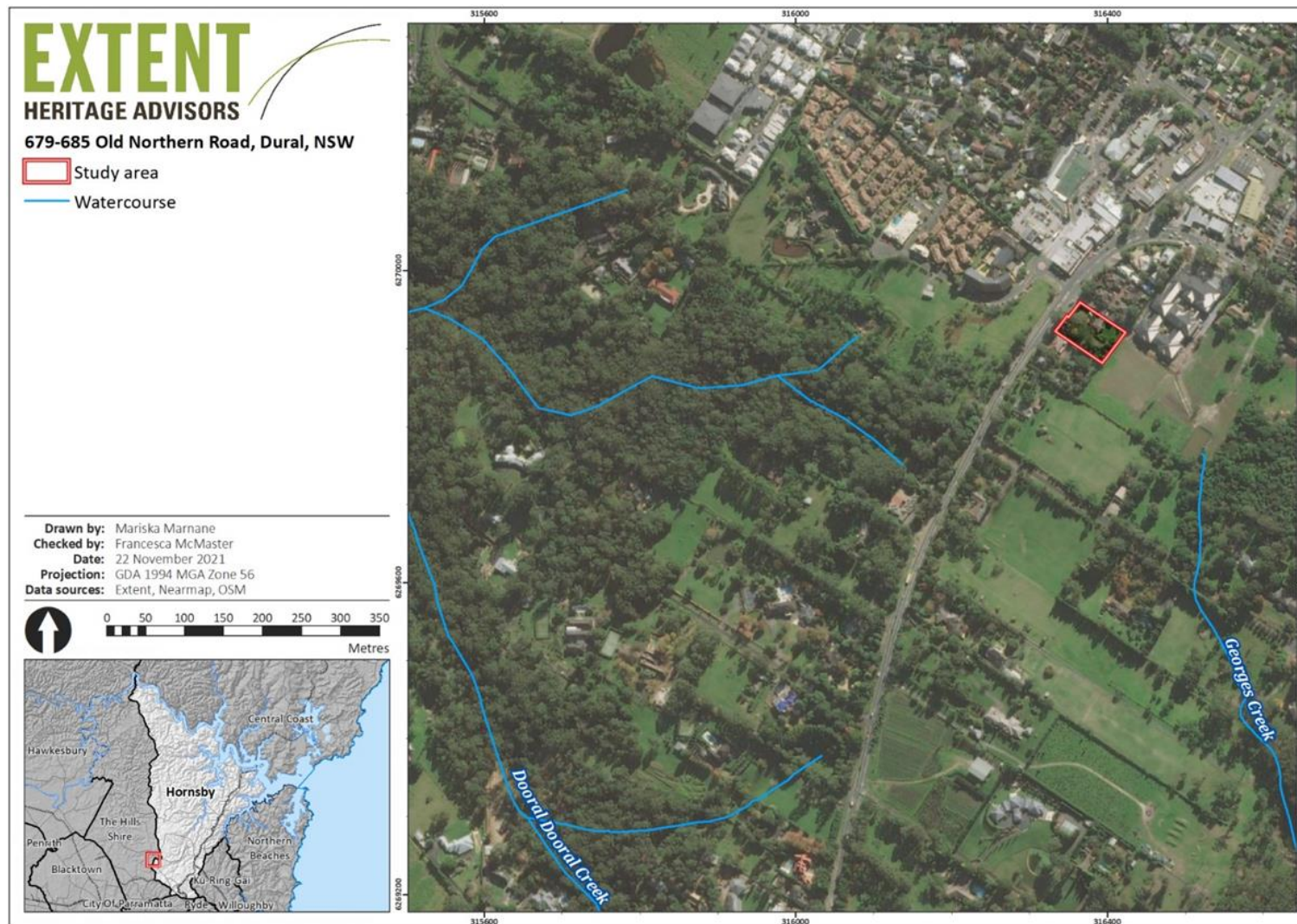


Figure 5. Hydrology map of the area surrounding the study area showing Georges Creek to the east and Dooral Dooral Creek to the west.

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679-685 Old Northern Road, Dural, NSW

 Study area

Historical aerial year: 1947

Drawn by: Mariska Marnane

Checked by: Francesca McMaster

Date: 22 November 2021

Projection: GDA 1994 MGA Zone 56

Data sources: Extent, Nearmap, OSM



0 50 100 150 200
Metres



Figure 6. 1947 aerial photograph showing the study area as cleared with some shrubs and/or small trees on it and no structures. The conclusion of the Dooral Dooral Creek offshoot is visible to the west and Georges Creek to the south-east.

8. Desktop research – heritage studies

8.1 Regional studies and site patterning

Aboriginal occupation of NSW spans at least 40,000 years (Stockton and Holland 1974; Nanson et al. 1987; JMCHM 2005, 107-125), although older dates have been claimed for artefacts and human remains found within the barrier sands of Lake Mungo in the Willandra Lakes Region (Bowler et al. 2003; Shawcross 1998). Within the Cumberland Plain, Aboriginal occupation dates back well into the Pleistocene period. This evidence comes from radiocarbon dating of charcoal retrieved from excavated sites at Cranebrook Terrace, Penrith (41,700 years before present [BP]), Shaw's Creek K2 (14,700 BP) and George & Charles Streets, Parramatta (c. 25,000-30,000 BP). As the dating of Cranebrook Terrace is currently under review (Attenbrow 2010, 21; see also Williams et al. 2017), the oldest reliable dates for Aboriginal occupation in the Cumberland Plain are presently derived from the George and Charles Streets site.

The archaeological record in the Cumberland Plain is well documented by a large number of academic studies, regional management studies and consulting impact assessment investigations over the past 30 years. Over 7,000 sites have been recorded and registered on the DPC Aboriginal Heritage Information Management System (AHIMS) on the Cumberland Plain, reflecting both the wealth of the archaeological record and the number of archaeological investigations undertaken in this region. Consequently, the Cumberland Plain is the most intensively investigated archaeological landscape in Australia.

The distribution, density, size and features of sites on the Cumberland Plain largely depends on their environmental contexts. For instance, middens are typically found in close proximity to marine, estuarine and sometimes freshwater bodies. On the other hand, rock shelters are only found in areas of exposed sandstone escarpment, whereas grinding grooves are located in areas of exposed flat bedded sandstone near water sources.

Environmental and archaeological investigations of the region indicate that cultural material is commonly found in the form of surface and/or subsurface stone artefacts primarily due to the survivability of these site types with the widespread development of the region. These can come in the form of isolated artefacts or low-density scatters suggestive of ephemeral or transient use of the landscape, or denser deposits indicative of intense or repeated occupation. There is some evidence of rockshelters, engravings and grinding grooves found in the broader region, but these are constrained to areas of exposed sandstone geology, which is not found in the study area.

The regional studies indicate the most common site types found on the landforms present in the study area may include:

- Artefact scatters; and
- Buried archaeological deposits.

8.2 Local studies

This part provides a brief summary of Aboriginal sites and archaeological investigations undertaken in the vicinity of the study area to provide an indication of local site patterning and the nature of the local archaeological resource.

The regional studies discussed above indicate that the archaeological resource of the study area is likely to be characterised by isolated artefacts and artefact scatters (both surface and sub-surface) present in a relatively continuous state at varying levels of concentration, as well as potential archaeological deposits (PADs). The likely presence of these site-types within the study area, along with the potential for grinding grooves to occur along watercourses, are also supported by the results of recent investigations conducted within the Cumberland Plain as part of various public and private development projects. These studies are summarised and outlined below.

Hornsby Shire Aboriginal Study (Koettig 1996)

An extensive heritage study of Aboriginal cultural heritage sites within the Hornsby Shire Council local government area was conducted by Margrit Koettig Archaeological Services in 1996. The study demonstrated that the Hornsby area was rich with archaeological evidence of past Aboriginal occupation and utilisation. Due to its underlying geology and hilly landform, Koettig (1996) identified that the predominant site types within the Hornsby area are rock shelters with art, exposed sandstone with engravings and axe grinding grooves. A number of rock shelters were also found to contain shell middens and potential for intact occupation deposits.

In addition, Koettig (1996) also predicted that the estuarine foreshore of the Hornsby area is likely to have the highest frequency of sites. Unsurprisingly, sites with engravings were found predominantly on landforms such as ridges or crests, whereas axe grinding grooves occur more frequently on exposed sandstone near or within creeklines.

City of Ryde Aboriginal Site Management Report (AHO 2011)

In 2011, the Aboriginal Heritage Office – a joint initiative by the Ku-ring-gai, Lane Cove, North Sydney, Manly, Pittwater, Warringah, Willoughby and City of Ryde Councils – compiled a report documenting all known Aboriginal sites located within the City of Ryde (approximately 20km southeast of the study area). A total of 56 Aboriginal sites were documented and various management recommendations were made by the report to conserve Aboriginal cultural heritage values as well as provide a schedule for these conservation works (AHO 2011, 22-31). The list of sites documented within the City of Ryde included rock shelters with art and potential occupation deposits, rock engravings, shell middens, grinding grooves as well as isolated finds and stone artefact scatters (AHO 2011 25, 58-59). More importantly, the grave of Bennelong – the Eora man who served as an interlocutor between the Eora people and the British colonisers – was identified to be located within the suburb of Putney in the City of Ryde (AHO 2011, 59).

Similar to the Hornsby Shire Aboriginal study (Koettig 1996), this report also observed a strong correlation between landforms and site features (AHO 2011, 26). Rockshelters with potential deposits, engraving and grinding grooves are typically located on sandstone landforms, whereas shell middens are located along the Lane Cove River within the Lane Cove National Park. The report also observed that historical ground disturbances since British colonisation

have severely impacted the preservation of sites featuring isolated stone artefacts or scatters, shell middens as well as culturally-modified trees.

Hornsby Quarry Aboriginal Archaeological Survey Report (Artefact 2018)

In 2018, Artefact Heritage Services conducted an assessment of Aboriginal cultural heritage at the Hornsby Quarry (approximately 7km east of the study area) as part of the proposed rehabilitation works at the site. As a part of this assessment, an archaeological survey program was conducted to assess and identify any potential Aboriginal sites or places within the Hornsby Quarry study area that may be impacted by the proposed rehabilitation works. While the assessment had predicted that site types such as grinding grooves, rock art, culturally-modified trees and PADs may be present, no Aboriginal archaeological sites or PADs were identified during the survey itself (Artefact 2018, 24-27). In conclusion, the assessment determined that the levels of historical land use at the Hornsby Quarry had resulted in major subsurface disturbance and hence, low potential for intact archaeological resources to be present at the site.

Macquarie University Campus (Extent Heritage 2020).

In 2020, Extent Heritage Pty Ltd (Extent Heritage) undertook an Aboriginal Cultural Heritage Assessment as part of the proposed redevelopment of the Central Courtyard Precinct at Macquarie University (approximately 18km southeast of the study area). While a variety of Aboriginal sites – including pigmented and engraved art sites, grinding grooves, rock shelters with occupation deposit and art as well as artefact scatters and isolated finds – were identified within 6km of Macquarie University, no Aboriginal objects or sites were identified at this location during the archaeological survey program conducted as part of this assessment (Extent Heritage 2020, 55-56, 61-74). Nonetheless, the cultural significance of Lane Cove River as well as the importance of early Aboriginal and settler interaction following the settlement of this area was noted by the Aboriginal stakeholders identified in this assessment (Extent Heritage 2020, 75).

The local studies indicate there may be potential for Aboriginal sites within parts of the study area comprising of artefact scatters and/or buried archaeological deposits within relatively undisturbed land surfaces within 200m of permanent water.

9. Desktop research – previous disturbance

An analysis of NearMap high resolution aerial photography and a series of historical aerial photographs (Figure 6 to Figure 9) indicates the study area has been subject to disturbance in the form of:

- Land clearing;
- Possible grazing or orchard use as observed in surrounding areas; and
- Construction of residential structures.

In summary, the study area has generally been subject to moderate disturbance through land clearing and the development of the residential structures which remain extant on the site at present. Erosion of the upper natural soil profile is likely to have occurred following land clearing, due to the upper slope and gradient that the study area is situated upon.

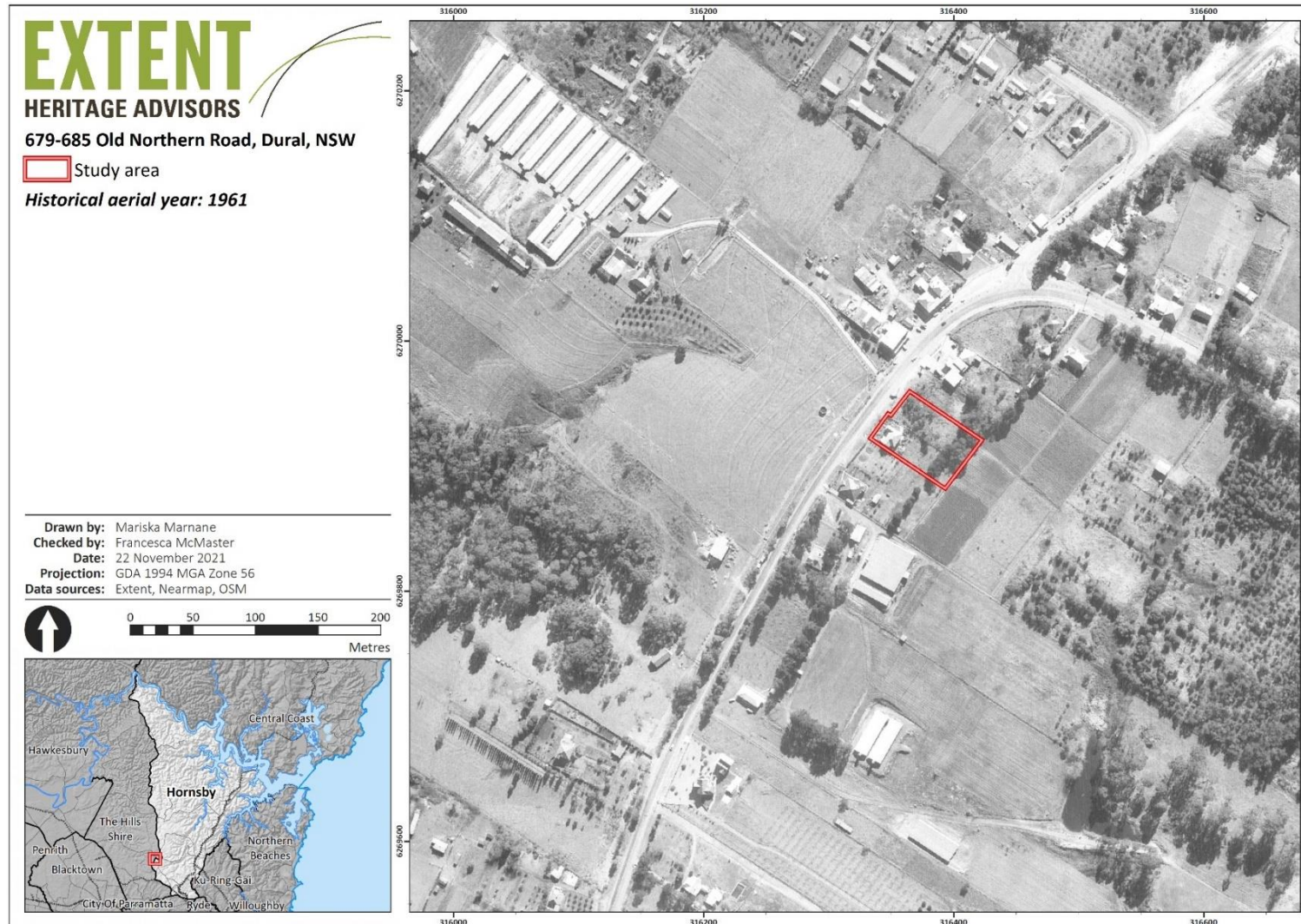


Figure 7. 1961 historical aerial photograph (Source: NSW Department of Finance and Spatial Services).

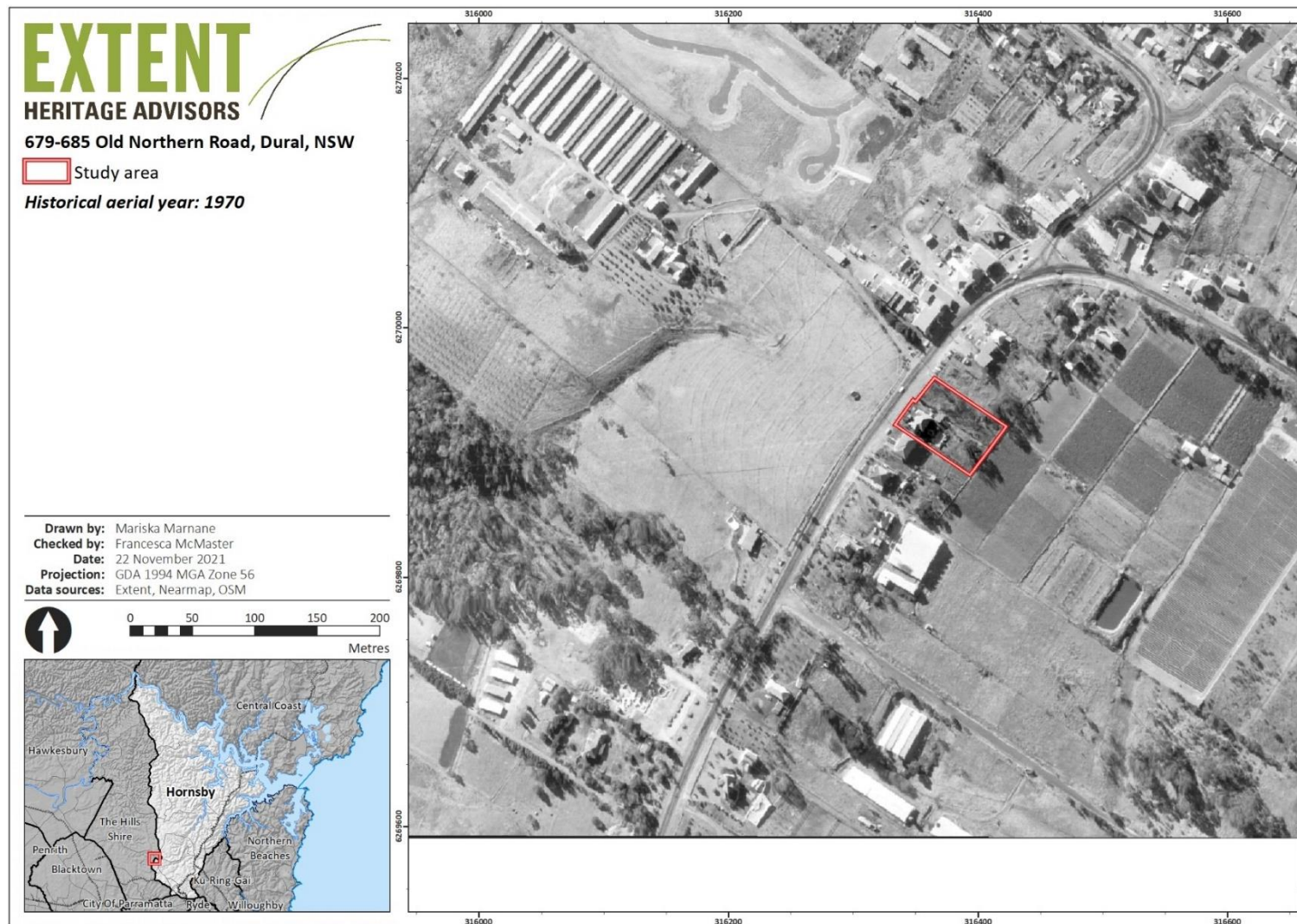


Figure 8. 1970 historical aerial photograph (Source: NSW Department of Finance and Spatial Services).

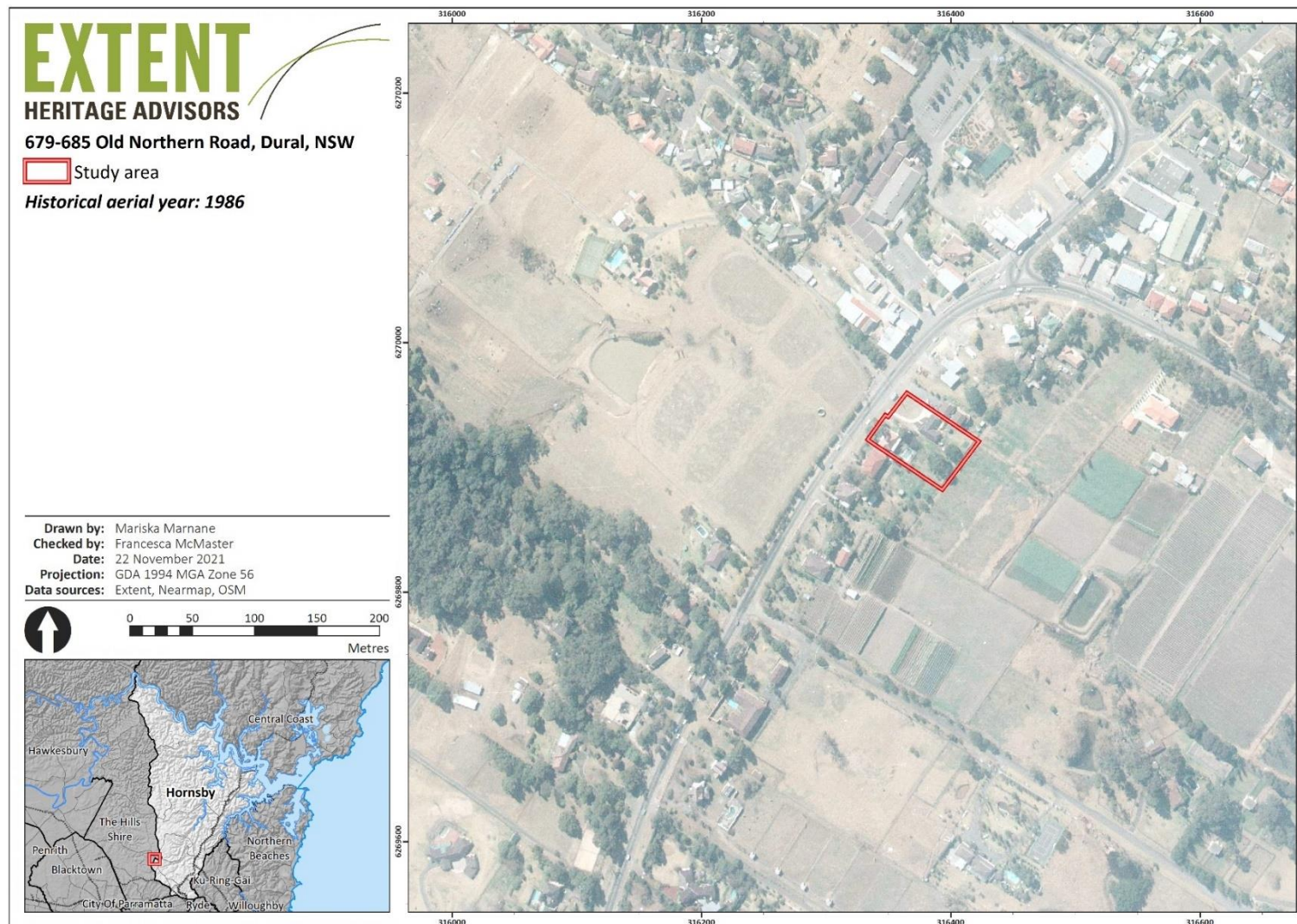


Figure 9. 1986 historical aerial photograph (Source: NSW Department of Finance and Spatial Services).

10. Site inspection

A preliminary archaeological site inspection was undertaken on 29th November 2021 by Francesca McMaster (heritage advisor) of Extent Heritage. The objective of the inspection was to identify any previously unrecorded Aboriginal objects and/or areas of archaeological potential that may be present within the study area, and to assess the level of previous ground disturbance. The study area consists of two residential lots, 679-681 Old Northern Road and 683-685 Old Northern Road, containing residential structures on each (Figure 10 and Figure 11). Topographically the study area is located on the upper slope of a ridgeline, sloping eastward away from Old Northern Road. Prior to urbanisation the study area would have afforded a view east towards Berowra Creek and west towards the Blue Mountains.

The site inspection confirmed that the study area has been subject to moderate disturbance since European contact, namely from land clearing and the development of the two allotments for residential purposes. Overall, most of the study area was covered by grass with little visibility of the soil or soil profile afforded. At 679-681 Old Northern Road the grass was thick and overgrown in places with the only exposure present at the front of the property where gravel had been laid (Figure 12 and Figure 13). Several mature eucalypts were present on the allotment, they were inspected for any potential cultural modifications, but none were noted (Figure 14 and Figure 15). The size of the trees suggests that they were likely less than 100 years old. The structure at 679-681 Old Northern Road was a two-storey brick and weatherboard building (Figure 16). A concrete driveway provided access on the northern side of the property (Figure 17). At the rear of the house was a pool that had partially been dug into the slope of the hillside (Figure 18 and Figure 19).

683-685 Old Northern Road consisted of a single storey brick structure with a concrete driveway providing access to a carport at the front of the property (Figure 20). The rear yard was grassed with several small trees at the perimeter (Figure 21). Two concrete tanks were observed on the south-eastern side of the house (Figure 22). Two areas of exposed soil were visible at 683-685 Old Northern Road. One on the northern side of the property indicated a mixed clay fill, likely associated with the construction of the house. Another exposure was visible in the front portion of the property and revealed a mixed sandy loam material with some gravel inclusions. This exposure appears to have been the result of downslope erosion.

No Aboriginal sites or objects were identified during the survey, including in areas of good ground surface exposure and visibility.



Figure 10. View to the east of 679-681 Old Northern Road with the Old Northern Road in the foreground.



Figure 11. View to the east of 683-685 Old Northern Road. The slope is such that you can only see the roof of the structure from the road.



Figure 12. Western extent of the yard at 679-681 Old Northern Road with extensive grass cover, looking west.



Figure 13. Gravel at the front of the property at 679-681 Old Northern Road, view to the south-west.



Figure 14. One of several eucalypt trees in the rear yard of 679-681 Old Northern Road, view to the south-east.



Figure 15. One of several eucalypt trees in the rear yard of 679-681 Old Northern Road, looking north-west



Figure 16. View to the east of the brick and weatherboard structure at 679-681 Old Northern Road.



Figure 17. Concrete driveway on the northern side of 679-681 Old Northern Road, looking east..



Figure 18. View to the south of the pool at the rear of 679-681 Old Northern Road.



Figure 19. South-east view of the pool at 679-681 Old Northern Road.



Figure 20. View to the east of 683-685 Old Northern Road showing the front of the property.



Figure 21. Rear sloping yard of 683-685 Old Northern Road, looking east.



Figure 22. View to the west of the 683-685 Old Northern Road showing the eastward slope, the house and two concrete tanks on the southern side of the house.



Figure 23. Exposed soil on the northern side of 683-685 Old Northern Road. Soil is mixed clay with gravel and brick fragment inclusions.



Figure 24. Exposed soil on the western side of 683-685 Old Northern Road, on the slope between the house and Old Northern Road. Soil is a mixed loamy sand with some gravel inclusions.

11. Conclusions

This report assessed the proposed health services facility for the potential of Aboriginal objects to occur within the study area. Based on the environmental and archaeological background of the region, it is considered that the main evidence of past Aboriginal occupation would be in the form of artefacts (scatters or isolated finds) and potential archaeological deposits found upon and/or within a shallow duplex soil profile. Typically, the cultural deposits (if present) would be constrained to the upper 10-30cm of natural soils. A review of historical documentation indicates that the soil profile is likely disturbed and/or removed by historical land use activities, which is likely to have resulted in the partial and/or total loss of the soil profile that is critical to the survivability of cultural deposits (if present). A site inspection confirmed this disturbance and the landform the study area is situated on, and did not identify any Aboriginal sites, objects or places.

No Aboriginal objects or places as defined by the *National Parks and Wildlife Act 1974* are located within the study area. Therefore, an Aboriginal Heritage Impact Permit approval is not currently required for the proposal.

There are currently no places within the study area included on the National, Commonwealth or World lists under the EPBC Act. There are no known Declarations under the ATSIHPA in relation to the study area. No Commonwealth heritage approvals are currently required with respect to Aboriginal heritage.

With reference to the risk management process set out in the *Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW* (DECCW, 2010), we note:

- There are no AHIMS sites recorded within the study area.
- The study area does not contain a landscape feature which is likely to indicate the presence of Aboriginal objects.
- The study area is located within an area of 'disturbed land' as defined in the *Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW* DECCW 2010.

The location of the study area on 'disturbed land' means the risk of encountering Aboriginal objects is lower than on undisturbed land. In accordance with Step 2b of the *Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW* DECCW 2010, the proposed health services facility may 'proceed with caution'.

While the process set out in the *Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW* DECCW 2010 indicates 'proceed with caution' for the proposed health services facility, there is always some risk that unexpected Aboriginal cultural deposits or skeletal remains may be encountered during development works, including in areas such as the current study area that have been heavily disturbed by prior earthworks.

12. Recommendations

In accordance with the risk management process set out in the *Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW* (DECCW, 2010) and the legal requirements of the *National Parks and Wildlife Act 1974*, we recommend:

1. No Aboriginal objects are recorded within the study area. Therefore, there are no Aboriginal Heritage Impact Permit approvals currently required for the proposed health services facility.
2. The proposed health services facility may 'proceed with caution' in accordance with the risk management process set out in the *Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW*.
3. While the works may proceed with caution, there remains some potential for the presence of unexpected Aboriginal objects or Aboriginal skeletal remains within the study area.
4. In the event that unexpected Aboriginal objects (or potential Aboriginal objects) are discovered during development, all works in the vicinity of the discovery site should cease and Healing ONR should immediately notify Heritage NSW, to determine whether further Aboriginal heritage assessment or permit approvals are required.
5. It is an offence to harm Aboriginal objects without an Aboriginal Heritage Impact Permit approval from Heritage NSW. Work must not recommence at the location of the discovery site until any necessary permits under the *National Parks and Wildlife Act 1974* have been approved by Heritage NSW and all permit conditions have been completed.
6. If any suspected human skeletal remains are identified during development, all works in the vicinity of the discovery site must cease immediately and Healing ONR should notify NSW Coroners Office, NSW Police and Heritage NSW for further advice.
7. The *Coroners Act 2009* requires that all works must cease immediately when human skeletal remains are discovered, and the NSW Police and the NSW Coroner's Office must be immediately notified for further advice.
8. Traditional Aboriginal burials (older than 100 years) are protected under the *National Parks and Wildlife Act 1974* and must not be disturbed unless in accordance with specific approvals provided by Heritage NSW.
9. Interpreting the age and nature of skeletal remains is a specialist field and an appropriately skilled archaeologist or physical anthropologist should be engaged to inspect the discovery site and recommend an appropriate course of action in accordance with the requirements of the *Coroners Act 2009* and the *National Parks and Wildlife Act 1974*.
10. Should the skeletal material prove to be of Aboriginal ancestry and greater than 100 years old, notification of Heritage NSW and the Metropolitan Local Aboriginal Land Council will be required. Notification should also be made to the Commonwealth Minister for the Environment, under the provisions of the *Aboriginal and Torres Strait Islander Heritage Protection Act 1984*.

Table 1. Site specific responses to DPIE due diligence questions.

1	Will the activity disturb the ground surface or any culturally modified trees?	Proceed to question 2.
	The proposal includes construction works across the study area and will disturb the ground surface. No culturally modified trees were identified within the study area and as such, no culturally modified trees will be disturbed by the proposal.	
2a	Are there any relevant confirmed site records or other associated landscape feature information on AHIMS?	Proceed to question 2b.
	No. The AHIMS database does not record any sites within the study area. The nearest recorded site is 2.5km to the northeast.	
2b	Are there any other sources of information of which a person is already aware? (Including whether or not the study area is 'Disturbed Land' as defined in the Code ?)	Proceed to question 2c.
	No. The research undertaken for the present assessment did not identify any other relevant sources of information indicating the presence of known sites within the study area.	
2c	Are there any landscape features that are likely to indicate presence of Aboriginal objects?	Proceed to question 3.
	No. The study area is located on the upper slope of a ridgeline and is located some ~700m from permanent water (Dooral Dooral Creek)	
3	Can harm to Aboriginal objects listed on AHIMS or identified by other sources of information and/or can the carrying out of the activity at the relevant landscape features be avoided?	Proceed to question 4.
	Not applicable.	
4	Does a desktop assessment and visual inspection confirm that there are Aboriginal objects or that they are likely?	Further assessment not required; works may proceed with caution.
	Assessment and inspection indicates that the study area contains no Aboriginal sites and has been subject to moderate ground disturbance through previous land use. This disturbance is likely to have substantially impacted and removed any archaeological remains of past Aboriginal occupation and reduced the likelihood of Aboriginal objects being present within the study area.	

13. References

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Appendix A. Information on legislation

A.1. Commonwealth Legislation

Aboriginal and Torres Strait Islander Heritage Protection Act 1984

The Aboriginal and Torres Strait Islander Heritage Protection Act was enacted at a Federal level to preserve and protect areas (particularly sacred sites) and objects of particular significance to Aboriginal Australians from damage or desecration. Steps necessary for the protection of a threatened place are outlined in a gazetted Ministerial Declaration (Sections 9 and 10). This can include the preclusion of development.

As well as providing protection to areas, it can also protect objects by Declaration, in particular Aboriginal skeletal remains (Section 12). Although this is a Federal Act, it can be invoked on a State level if the State is unwilling or unable to provide protection for such sites or objects.

Environment Protection and Biodiversity Conservation Act 1999

The Environment Protection and Biodiversity Conservation Act provides for the protection of natural and cultural heritage places. The Act establishes (amongst other things) a National Heritage List (NHL) and a Commonwealth Heritage List (CHL). Places on the NHL are of natural or cultural significance at a national level and can be in public or private ownership. The CHL is limited to places owned or occupied by the Commonwealth which are of heritage significance for certain specified reasons.

Places listed on the NHL are considered to be of State and local heritage value, even if State or local various heritage lists do not specifically include them.

The heritage values of places on the NHL or the CHL are protected under the terms of the EPBC Act. The Act requires that the Minister administering the EPBC Act assess any action which has, will have, or is likely to have, a significant impact on the heritage values of a listed place. The approval (or rejection) follows the referral of the matter by the relevant agency's Minister.

Native Title Act 1993

The Native Title Act provides recognition and protection for native title. The Act established the National Native Title Tribunal to administer native title claims to rights and interests over lands and waters by Aboriginal people. The Tribunal also administers the future act processes that attract the right to negotiate under the Native Title Act 1993.

The Act also provides for Indigenous Land Use Agreements (ILUA). An ILUA is an agreement between a native title group and others about the use and management of land and waters. ILUAs were introduced as a result of amendments to the Native Title Act in 1998. They allow people to negotiate flexible, pragmatic agreements to suit their particular circumstances.

An ILUA can be negotiated over areas where native title has, or has not yet, been determined. They can be part of a native title determination, or settled separately from a native title claim. An ILUA can be negotiated and registered whether there is a native title claim over the area or not.

A.2. NSW state legislation

Environmental Planning and Assessment Act 1979

The Environmental Planning and Assessment Act (EP&A Act) requires that environmental and heritage impacts are considered by consent authorities prior to granting development approvals. The relevant sections of the EP&A Act are:

- Part 4: Development that requires consent under consideration of environmental planning instruments.
- Part 5: An assessment process for activities undertaken by Public Authorities and for developments that do not require development consent but an approval under another mechanism.

Where Project Approval is to be determined under Part 4 (Division 4.1) of the Act, further approvals under the National Parks and Wildlife Act 1974, are not required. In those instances, management of Aboriginal heritage follows the applicable Aboriginal assessment guidelines (the Guidelines for Aboriginal Cultural Heritage Impact Assessment and Community Consultation, July 2005) and any relevant statement of commitments included in the Development Approval.

National Parks and Wildlife Act 1974

The National Parks and Wildlife Act (NPW Act) provides blanket protection for Aboriginal objects (material evidence of Indigenous occupation) and Aboriginal places (areas of cultural significance to the Aboriginal community) across New South Wales. An Aboriginal object is defined as:

Any deposit, object or material evidence (not being a handicraft made for sale) relating to the Aboriginal habitation of the area that comprises New South Wales, being habitation before or concurrent with (or both) the occupation of that area by persons of non-Aboriginal extraction, and includes Aboriginal remains.

An Aboriginal place is any place declared to be an Aboriginal place by the Minister for the Environment, under section 84 of the Act.

It is an offence to disturb Aboriginal objects or places without a permit authorised by the Director-General of the Office of Environment and Heritage. In addition, anyone who discovers an Aboriginal object is obliged to report the discovery to OEH.

The operation of the NPW Act is administered by OEH. With regard to the assessment of Aboriginal cultural heritage, OEH has endorsed the following guidelines:

- Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales (DECCW 2010),
- Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales (OEH 2010),
- Aboriginal Cultural Heritage Consultation Requirements for Proponents (2010), and

- Guide to Investigating, Assessing and Reporting on Aboriginal Cultural Heritage in NSW (2011).

Aboriginal Land Rights Act 1983

The Aboriginal Land Rights Act allows for the transfer of ownership to a Local Aboriginal Land Council of vacant Crown land not required for an essential purpose or for residential land. These lands are then managed and maintained by the Local Aboriginal Land Council.

Appendix B. AHIMS search

AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : 0221090

Client Service ID : 639715

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
45-5-2520	RH/SC2 duplicate of 45-5-2289	AGD	56	310520	6268750	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-5-2497	RH/CC2	AGD	56	312800	6268200	Open site	Valid	Artefact : -, Grinding Groove : -	Axe Grinding Groove, Open Camp Site	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-1439	Elouera Bushland Reserve	AGD	56	320710	6267687	Open site	Not a Site	Art (Pigment or Engraved) : -	Not an Aboriginal Site	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-2514	Tunks 1;	AGD	56	320600	6270800	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-2537	Rock Pool Gully;	AGD	56	318700	6270300	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-2448	HR1;	AGD	56	319900	6269900	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	3484
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-2449	HR2;	AGD	56	320900	6269950	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	3484
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-2454	HR7	AGD	56	320750	6266340	Closed site	Valid	Artefact : -	Shelter with Deposit	3484, 102473
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-5-2343	Ship Shelter;	AGD	56	312780	6270100	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-5-0928	RH/SC 6; Rouse Hill;	AGD	56	310020	6269140	Open site	Valid	Artefact : -	Open Camp Site	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-5-0930	RH/SC3; Rouse Hill;	AGD	56	311700	6268270	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	551
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-5-2289	unregistered taplin site 2; Rouse Hill; duplicate of 45-5-2520	AGD	56	310500	6268750	Closed site	Valid	Grinding Groove : -, Art (Pigment or Engraved) : -	Axe Grinding Groove, Shelter with Art	102579
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-0749	Cherrybrook 5;	AGD	56	317780	6267920	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	1271
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-5-0132	Castle Hill;	AGD	56	313050	6266532	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	

Report generated by AHIMS Web Service on 18/11/2021 for Francesca McMaster for the following area at Lat, Long From : -33.73, 150.95 - Lat, Long To : -33.66, 151.07. Number of Aboriginal sites and Aboriginal objects found is 116

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AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : 0221090

Client Service ID : 639715

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
	<u>Contact</u>	<u>Recorders</u>	Mr.R Taplin					<u>Permits</u>		
45-5-0133	Castle Hill;	AGD	56	312953	6266805	Closed site	Valid	Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Deposit	
	<u>Contact</u>	<u>Recorders</u>	Mr.R Taplin					<u>Permits</u>		
45-5-0134	Castle Hill Creek;Glenhaven;	AGD	56	314023	6268198	Closed site	Valid	Grinding Groove : -, Artefact : -	Axe Grinding Groove,Shelter with Deposit	
	<u>Contact</u>	<u>Recorders</u>	Mr.R Taplin					<u>Permits</u>		
45-5-0135	Kellyville;	AGD	56	310915	6268137	Closed site	Valid	Artefact : -, Grinding Groove : -	Axe Grinding Groove,Shelter with Deposit	102579
	<u>Contact</u>	<u>Recorders</u>	Mr.R Taplin					<u>Permits</u>		
45-6-1768	Cherrybrook	AGD	56	317440	6266920	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	360
	<u>Contact</u>	<u>Recorders</u>	Laura-Jane Smith					<u>Permits</u>		
45-6-0937	Rogans Hill	AGD	56	319544	6266475	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	102473
	<u>Contact</u>	<u>Recorders</u>	ASRSYS					<u>Permits</u>		
45-6-0938	Rogans Hill;	AGD	56	319870	6266150	Open site	Valid	Art (Pigment or Engraved) : -, Grinding Groove : -	Axe Grinding Groove,Rock Engraving	102473
	<u>Contact</u>	<u>Recorders</u>	Margrit Koettig					<u>Permits</u>		
45-6-0939	Rogans Hill;	AGD	56	317696	6267446	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	<u>Contact</u>	<u>Recorders</u>	ASRSYS					<u>Permits</u>		
45-6-0940	Rogans Hill;(duplicate copy of 45-3-0940)	AGD	56	319621	6267209	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	102473
	<u>Contact</u>	<u>Recorders</u>	ASRSYS					<u>Permits</u>		
45-6-0941	Rogans Hill;	AGD	56	319811	6266846	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	102473
	<u>Contact</u>	<u>Recorders</u>	ASRSYS					<u>Permits</u>		
45-6-0942	Hornsby;Dural;	AGD	56	320220	6269860	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	<u>Contact</u>	<u>Recorders</u>	Margrit Koettig					<u>Permits</u>		
45-6-0943	Hornsby;Dural;	AGD	56	320200	6269860	Closed site	Valid	Art (Pigment or Engraved) : -, Artefact : -	Shelter with Art,Shelter with Deposit	
	<u>Contact</u>	<u>Recorders</u>	Margrit Koettig					<u>Permits</u>		
45-6-0944	Dural	AGD	56	320025	6269960	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	<u>Contact</u>	<u>Recorders</u>	ASRSYS					<u>Permits</u>		

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AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : 0221090

Client Service ID : 639715

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
45-6-0945	Rogans Hill;Glenhaven;	AGD	56	317410	6268080	Open site	Valid	Grinding Groove : -, Water Hole : -	Axe Grinding Groove,Water Hole/Well	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-0946	Rogans Hill;	AGD	56	319983	6267399	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	102473
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-0947	Hornsby;	AGD	56	319238	6268116	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-0948	Rogans Hill;Hornsby;	AGD	56	319242	6267933	Closed site	Valid	Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Deposit	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-0949	Normanhurst;	AGD	56	320258	6267404	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	102473
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-0950	Rogans Hill;Pyes Ck 3;	AGD	56	318967	6267928	Open site	Valid	Grinding Groove : -	Axe Grinding Groove	764
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-0951	Rogans Hill	AGD	56	320172	6267128	Closed site	Valid	Artefact : -	Shelter with Deposit	102473
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-0955	Rogans Hill;	AGD	56	319950	6266200	Closed site	Valid	Artefact : -	Shelter with Deposit	102473
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-5-0139	Cattai Creek;Kellyville;	AGD	56	311797	6269801	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-5-0140	Cattai Creek;Kellyville;	AGD	56	311796	6269892	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-5-0141	Cattai Creek;Kellyville;	AGD	56	311432	6269794	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-1647	Cherrybrook;Pyes Creek 2;	AGD	56	318950	6268350	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	764,1214
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							
45-6-1649	Pyes Creek 1(Cherry brook)	AGD	56	317620	6267040	Closed site	Valid	Artefact : -	Shelter with Deposit	764,1039
	<u>Contact</u>	<u>Recorders</u>	<u>Permits</u>							

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SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
45-6-0306	West Pennant Hills;Rogan's Hill;	AGD	56	318523	6267279	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	<u>Contact</u>	<u>Recorders</u>	ASRSYS					<u>Permits</u>		
45-6-0307	Hornsby;	AGD	56	320860	6269336	Open site	Valid	Art (Pigment or Engraved) : -	Rock Engraving	
	<u>Contact</u>	<u>Recorders</u>	ASRSYS					<u>Permits</u>		
45-5-0142	Cattai Creek;Kellyville;	AGD	56	311611	6269980	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<u>Contact</u>	<u>Recorders</u>	Mr.R Taplin					<u>Permits</u>		
45-5-0143	Cattai Creek;Kellyville;	AGD	56	311699	6270165	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<u>Contact</u>	<u>Recorders</u>	Mr.R Taplin					<u>Permits</u>		
45-5-0144	Cattai Creek;	AGD	56	311606	6270254	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<u>Contact</u>	<u>Recorders</u>	Mr.R Taplin					<u>Permits</u>		
45-5-0145	Cattai Creek;Kellyville;	AGD	56	311059	6270152	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<u>Contact</u>	<u>Recorders</u>	Mr.R Taplin					<u>Permits</u>		
45-5-0146	Cattai Creek;Kellyville;	AGD	56	311059	6270152	Closed site	Valid	Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Deposit	
	<u>Contact</u>	<u>Recorders</u>	Mr.R Taplin					<u>Permits</u>		
45-5-0147	Cattai Creek;Glenhaven;	AGD	56	312059	6270446	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<u>Contact</u>	<u>Recorders</u>	Mr.R Taplin					<u>Permits</u>		
45-5-0148	Cattai Creek;Annangrove;	AGD	56	311048	6270701	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<u>Contact</u>	<u>Recorders</u>	Mr.R Taplin					<u>Permits</u>		
45-5-0149	Cattai Creek;Annangrove;	AGD	56	311048	6270701	Closed site	Valid	Artefact : -	Shelter with Deposit	
	<u>Contact</u>	<u>Recorders</u>	Mr.R Taplin					<u>Permits</u>		
45-5-0150	Cattai Creek;Annangrove;	AGD	56	310758	6271518	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	<u>Contact</u>	<u>Recorders</u>	Mr.R Taplin					<u>Permits</u>		
45-5-0151	Blue Gum Creek;Kenthurst;	AGD	56	314324	6271587	Closed site	Valid	Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Deposit	
	<u>Contact</u>	<u>Recorders</u>	Mr.R Taplin					<u>Permits</u>		
45-5-0152	Blue Gum Creek;Kenthurst;	AGD	56	314137	6271767	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	<u>Contact</u>	<u>Recorders</u>	Mr.R Taplin					<u>Permits</u>		

AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : 0221090

Client Service ID : 639715

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
45-5-0153	Blue Gum Creek;Annangrove;	AGD	56	313499	6271663	Closed site	Valid	Grinding Groove : -, Art (Pigment or Engraved) : -	Axe Grinding Groove,Shelter with Art	
	Contact	Recorders	Mr.R Taplin							
45-5-0155	Blue Gum Creek;Annangrove;	AGD	56	313390	6272575	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	Contact	Recorders	Mr.R Taplin							
45-5-0156	Blue Gum Creek;Annangrove;	AGD	56	312935	6272475	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	Contact	Recorders	Mr.R Taplin							
45-5-0157	Blue Gum Creek;Annangrove;	AGD	56	312657	6272653	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	Contact	Recorders	Mr.R Taplin							
45-5-0158	Blue Gum Creek;Kenthurst;	AGD	56	314469	6273511	Closed site	Valid	Artefact : -, Grinding Groove : -, Art (Pigment or Engraved) : -	Axe Grinding Groove,Rock Engraving,Shelter with Deposit	
	Contact	Recorders	Mr.R Taplin							
45-5-0159	Cattai Creek;Annangrove;	AGD	56	312413	6271093	Closed site	Valid	Artefact : -	Shelter with Deposit	
	Contact	Recorders	Mr.R Taplin							
45-5-0160	Cattai Creek;Annangrove;	AGD	56	312413	6271093	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	Contact	Recorders	Mr.R Taplin							
45-5-0161	Cattai Creek;Annangrove;	AGD	56	311859	6271357	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	102479
	Contact	Recorders	Mr.R Taplin							
45-5-0162	Blue Gum Creek;Annangrove;	AGD	56	311845	6272088	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	Contact	Recorders	Mr.R Taplin							
45-5-0163	Blue Gum Creek;Annangrove;	AGD	56	311380	6272445	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	Contact	Recorders	Mr.R Taplin							
45-5-0165	Blue Gum Creek;Annangrove;	AGD	56	310832	6272435	Closed site	Valid	Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Deposit	
	Contact	Recorders	Mr.R Taplin							
45-5-0166	Blue Gum Creek;Annangrove;	AGD	56	310832	6272435	Closed site	Valid	Artefact : -, Art (Pigment or Engraved) : -	Shelter with Art,Shelter with Deposit	
	Contact	Recorders	Mr.R Taplin							

Report generated by AHIMS Web Service on 18/11/2021 for Francesca McMaster for the following area at Lat, Long From : -33.73, 150.95 - Lat, Long To : -33.66, 151.07. Number of Aboriginal sites and Aboriginal objects found is 116

This information is not guaranteed to be free from error omission. Heritage NSW and its employees disclaim liability for any act done or omission made on the information and consequences of such acts or omission.

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
45-5-0169	Annangrove;	AGD	56	310904	6273442	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	Contact	Recorders	Mr.R Taplin Permits							
45-5-0170	Annangrove;	AGD	56	310447	6273433	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	Contact	Recorders	Mr.R Taplin Permits							
45-5-0065	Cattai Creek;Kellyville;	AGD	56	311057	6270244	Closed site	Valid	Art (Pigment or Engraved) : -	Shelter with Art	
	Contact	Recorders	Gourlay Permits							
45-5-2727	RH/SC8	AGD	56	312150	6267400	Open site	Valid	Artefact : -		4316
	Contact	Recorders	Stephanie Garling Permits							
45-5-2657	KV1 duplicate of 45-5-2607	AGD	56	311735	6267209	Open site	Destroyed	Artefact : -		4316,104361
	Contact	Recorders	Stephanie Garling,Doctor.Darran Jordan,AECOM Australia Pty Ltd - Sydney Permits							
45-5-2605	RH/CC2	AGD	56	312800	6268200	Open site	Valid	Grinding Groove : -		97421
	Contact	Recorders	Doctor.Jo McDonald Permits							
45-5-2606	RH/SCT1 - Smalls Creek Trbutary (formerly PAD 32)	AGD	56	311500	6267900	Open site	Valid	Aboriginal Resource and Gathering : -		97421
	Contact	Recorders	Doctor.Jo McDonald Permits							
45-5-2607	KV1 - Kellyville 1 duplicate of 45-5-2657	AGD	56	311735	6267209	Open site	Destroyed	Aboriginal Resource and Gathering : -		97421,104361
	Contact	Recorders	Doctor.Jo McDonald,Doctor.Darran Jordan,AECOM Australia Pty Ltd - Sydney Permits							
45-5-2608	RHOC 1	AGD	56	312800	6268200	Open site	Valid	Aboriginal Resource and Gathering : -		97421
	Contact	Recorders	Doctor.Jo McDonald Permits							
45-5-2652	PAD33	AGD	56	310542	6267435	Open site	Valid	Artefact : -, Potential Archaeological Deposit (PAD) : -		98053,102579
	Contact	Recorders	Mary Dallas Consulting Archaeologists (MDCA),Doctor.Jo McDonald,Mr.Paul Irish Permits							
45-5-0291	Hawkesbury Lookout Glenhaven	AGD	56	312713	6269727	Open site	Valid	Artefact : -	Open Camp Site	260,1018
	Contact	Recorders	Jim Kohen Permits							
45-6-2659	CHHP IF1	GDA	56	315950	6267240	Open site	Valid	Artefact : 1		
	Contact	Recorders	Jim Wheeler Permits							
45-6-2660	CHHP IF2	GDA	56	315860	6267120	Open site	Valid	Artefact : 1		
	Contact	Recorders	Jim Wheeler Permits							
45-6-2667	CHHP	AGD	56	315900	6267200	Open site	Valid	Artefact : -, Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders	Jim Wheeler Permits							

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
45-5-2981	PAD 4 Windsor Road	AGD	56	310220	6268050	Open site	Valid	Potential Archaeological Deposit (PAD) : -		102579
	<u>Contact</u>	<u>Recorders</u>	AECOM Australia Pty Ltd - Sydney							
45-5-3071	Glenhaven Bridge Aboriginal Campsite	AGD	56	311900	6269850	Open site	Valid	Potential Archaeological Deposit (PAD) : -	1963	
	<u>Contact</u>	<u>Recorders</u>	Doctor.Susan (left ahms) McIntyre-Tamwoy							
45-5-3391	Spurway Drive PAD	GDA	56	311130	6266000	Open site	Partially Destroyed	Artefact : -, Potential Archaeological Deposit (PAD) : -	2294,2405	101069
	<u>Contact</u>	<u>Recorders</u>	Jim Wheeler,Mr.Paul Irish,Artefact - Cultural Heritage Management - Pymont,Ms.C							
45-5-0154	Glue Gum Creek;Annangrove;	AGD	56	313499	6271663	Closed site	Valid	Art (Pigment or Engraved) : -	2872	
	<u>Contact</u>	<u>Recorders</u>	Mr.R Taplin							
45-5-3410	FR IF1	AGD	56	311101	6270500	Closed site	Valid	Artefact : -, Hearth : -		
	<u>Contact</u>	<u>Recorders</u>	Kelleher Nightingale Consulting Pty Ltd							
45-5-3411	FR SH1	AGD	56	311106	6270496	Closed site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	Kelleher Nightingale Consulting Pty Ltd							
45-5-3412	FR SH2	AGD	56	311007	6270489	Closed site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	Kelleher Nightingale Consulting Pty Ltd							
45-5-3413	FR SH3	AGD	56	310995	6270486	Closed site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	Kelleher Nightingale Consulting Pty Ltd							
45-5-3414	HR SH1 (duplicate 45-5-3626)	AGD	56	310137	6271265	Closed site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	Kelleher Nightingale Consulting Pty Ltd							
45-5-3415	HR SH2 (duplicate 45-5-3522)	AGD	56	310068	6271238	Closed site	Valid	Artefact : -		
	<u>Contact</u>	<u>Recorders</u>	Kelleher Nightingale Consulting Pty Ltd							
45-5-3539	Kellyville 2 (K2)	GDA	56	311600	6267050	Open site	Valid	Artefact : 1		97626,97746
	<u>Contact</u>	<u>Recorders</u>	Stephanie Garling							
45-5-3427	SD pad	GDA	56	311130	6266000	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		
	<u>Contact</u>	<u>Recorders</u>	Jim Wheeler							
45-5-3579	Kellyville 1 (K1) Riverstone	GDA	56	311720	6266920	Open site	Valid	Artefact : 2	4194	4732
	<u>Contact</u>	<u>Recorders</u>	Jo McDonald Cultural Heritage Management see GML							
45-5-3520	Foxall Road Shelter 1 (FR SH1)	GDA	56	311006	6270496	Closed site	Valid	Artefact : 1		
	<u>Contact</u>	<u>Recorders</u>	Kelleher Nightingale Consulting Pty Ltd							
45-5-3521	Foxall Road Shelter 3 (FR SH3)	GDA	56	310995	6270486	Closed site	Valid	Stone Quarry : 1		
	<u>Contact</u>	<u>Recorders</u>	Kelleher Nightingale Consulting Pty Ltd							

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
45-5-3522	Heath Road Shelter 2 (HR SH2) (duplicate 45-5-3415)	AGD	56	310068	6271238	Closed site	Valid	Stone Quarry : 1		
	Contact	Recorders				Kelleher Nightingale Consulting Pty Ltd		Permits		
45-5-3524	Foxall Road Isolated Find 1 (FRIF1)	GDA	56	311101	6270500	Open site	Valid	Artefact : 1		
	Contact	Recorders				Kelleher Nightingale Consulting Pty Ltd		Permits		
45-5-3525	Foxall Road Shelter 2 (FR SH2)	GDA	56	311007	6270489	Closed site	Valid	Artefact : 1		
	Contact	Recorders				Kelleher Nightingale Consulting Pty Ltd		Permits		
45-5-3526	Heath Road Shelter 1 (HR SH1) (duplicate 45-5-3414)	AGD	56	310137	6271265	Closed site	Valid	Artefact : 1		
	Contact	Recorders				Kelleher Nightingale Consulting Pty Ltd		Permits		
45-5-3954	Fairway Drive IF1	GDA	56	310883	6266090	Open site	Valid	Artefact : 1		
	Contact	Recorders				Mary Dallas Consulting Archaeologists (MDCA),Mr.Paul Irish		Permits	3400	
45-6-2970	CHIF 1	GDA	56	316151	6267190	Open site	Valid	Artefact : 1		
	Contact	Recorders				GML Heritage Pty Ltd - Surry Hills,Ms.Jenni Bate		Permits		
45-6-2990	Zig Zag Creek 02	GDA	56	320196	6267009	Closed site	Valid	Artefact : 2, Hearth : 1		102473
	Contact	Recorders				Mr.Michael Jackson		Permits		
45-5-4265	NWRL PAD3	GDA	56	313177	6266348	Open site	Valid	Potential Archaeological Deposit (PAD) : 1		
	Contact	Recorders				GML Heritage Pty Ltd - Surry Hills		Permits		
45-5-4363	CC-1	GDA	56	310057	6272026	Open site	Valid	Artefact : -		102968
	Contact	Recorders				Bobbie Oakley,Mr.Matthew Kelleher,Kelleher Nightingale Consulting Pty Ltd (Gene		Permits		
45-5-4364	CC-2	GDA	56	309980	6272029	Open site	Valid	Artefact : -		102968
	Contact	Recorders				Bobbie Oakley,Mr.Matthew Kelleher,Kelleher Nightingale Consulting Pty Ltd (Gene		Permits		
45-5-4365	PAD 1 CCOP-1	GDA	56	311636	6270116	Open site	Valid	Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders				Bobbie Oakley		Permits		
45-5-4366	PAD 2 CCSP-2	GDA	56	311456	6270679	Closed site	Valid	Potential Archaeological Deposit (PAD) : -		
	Contact	Recorders				Bobbie Oakley,Mr.Matthew Kelleher,Kelleher Nightingale Consulting Pty Ltd (Gene		Permits		
45-5-4436	Cattai Ck Isolated Artefact 2	GDA	56	311363	6269743	Open site	Valid	Artefact : -		
	Contact	Recorders				Doctor.Darran Jordan		Permits		
45-5-4437	Cattai Ck Isolated Artefact 1	GDA	56	311624	6269987	Open site	Valid	Artefact : -		
	Contact	Recorders				Doctor.Darran Jordan		Permits		

AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : 0221090

Client Service ID : 639715

SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
45-5-4612	Samantha Riley Dr Shelter 1	GDA	56	311506	6269923	Open site	Valid	Artefact : -, Habitation Structure : -, Potential Archaeological Deposit (PAD) : -		
	Contact							Permits		
45-5-4905	Fairway Drive AFT 2	GDA	56	310680	6266095	Open site	Valid	Artefact : -		
	Contact							Permits	4159	
45-5-4906	Fairway Drive AFT 1	GDA	56	310605	6266110	Open site	Valid	Artefact : -		
	Contact							Permits	4159	
45-5-4775	31-33 Fairway Drive Kellyville	GDA	56	310655	6265950	Open site	Valid	Artefact : 15		
	Contact							Permits	4676	
45-5-5483	Cattai Creek Drive within Council Zone R2 reserve.Possible Scarred Tree	GDA	56	312406	6269327	Open site	Valid	Modified Tree (Carved or Scarred) : -		
	Contact							Permits		
45-5-5510	Cattai Creek Shelter PAD 2	GDA	56	312407	6269372	Closed site	Valid	Potential Archaeological Deposit (PAD) : -		
	Contact							Permits		
45-5-5511	Cattai Creek Shelter PAD 1	GDA	56	312420	6269373	Closed site	Valid	Potential Archaeological Deposit (PAD) : -		
	Contact							Permits		
45-5-5512	Cattai Creek Shelter PAD 3	GDA	56	310778	6271674	Closed site	Valid	Potential Archaeological Deposit (PAD) : -		
	Contact							Permits		
45-5-5513	Cattai Creek Heath Road IF 1	GDA	56	310755	6271678	Open site	Valid	Artefact : -		
	Contact							Permits		

** Site Status

Valid - The site has been recorded and accepted onto the system as valid

Destroyed - The site has been completely impacted or harmed usually as consequence of permit activity but sometimes also after natural events. There is nothing left of the site on the ground but proponents should proceed with caution.

Partially Destroyed - The site has been only partially impacted or harmed usually as consequence of permit activity but sometimes also after natural events. There might be parts or sections of the original site still present on the ground

Not a site - The site has been originally entered and accepted onto AHIMS as a valid site but after further investigations it was decided it is NOT an aboriginal site. Impact of this type of site does not require permit but Heritage NSW should be notified

Report generated by AHIMS Web Service on 18/11/2021 for Francesca McMaster for the following area at Lat, Long From : -33.73, 150.95 - Lat, Long To : -33.66, 151.07. Number of Aboriginal sites and Aboriginal objects found is 116

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