

APPENDIX A DESKTOP REVIEW

Due Diligence Insight Report

South Jerrabomberra RJP Investigation Area
South Jerrabomberra, NSW

19 November 2021

An aerial photograph of a dense, green forest. A prominent, light-colored, rocky outcrop or cliff face is visible, rising from the forest floor. The forest appears thick and lush, with varying shades of green. The rocky area is rugged and has some exposed soil or rock. The overall scene is a natural, undisturbed landscape.

Understanding your report

Your Report has been produced by Land Insight and Resources (Land Insight).

Your Report is based on information available from public databases and sources at the date of reporting. The information gathered relates to land that is within a 200 to 2000m radius (buffer zone) from the boundaries of the Property. A smaller or larger radius may be applied for certain records (as listed under records and as shown in report maps).

While every effort is made to ensure the details in your Report are correct, Land Insight cannot guarantee the accuracy or completeness of the information or data provided.

The report provided by Land Insight includes data listed on page 4 (table of contents). All sources of data and definitions are provided in the Product Guide (Attached). For a full list of references, metadata, publications or additional information not provided in this report, please contact info@liresources.com.au

The report does not include title searches; dangerous good searches or; property certificates (unless requested); or information derived from a physical inspection, such as hazardous building materials, areas of infilling or dumping/spilling of potentially contaminated materials. It is important to note that these documents and an inspection can contain information relevant to contamination that may not be identified by this Report.

Due to the ongoing nature of database development and frequency of updates provided by various state government regulators the data displayed within this report is only current from date of production.

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ATTACHMENTS

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Land Insight Product Guide and Terms and Conditions

SUMMARY

	Section 1	PROPERTY SETTING	Identified
Sensitive Receptors Planning Control Heritage Soil and Land Information Geology and Topography			
	Section 2	HYDROGEOLOGY	Identified
Aquifer Groundwater Bores and Other Borehole investigations Groundwater Dependent Ecosystems (GDE) Hydrogeology Units Wetlands			
	Section 3	ENVIRONMENTAL REGISTERS LICENCES AND INCIDENTS	Identified
Contaminated Land Public Register Sites Regulate by Other Jurisdictional Body (Former Gaswork sites / PFAS sites) Licensing and Regulated Sites National Pollutant Inventory (NPI)			
	Section 4	POTENTIALLY CONTAMINATED AREAS	Identified
Former Potentially Contaminated Land Current and Historical Potentially Contaminating activities (PCA)			
	Section 5	NATURAL HAZARDS	Identified
Erosion risk Bushfire prone land Fire history Flood hazards			



Section 1 Property Setting



1.1 SENSITIVE RECEPTORS

Map 1.1 (200m Buffer)

Sensitive receptor	Category	Distance (m)	Direction
John Palmer Park	Parks	30	West
Madew Park Skate Park	Sports and Recreation Activities	30	West
Madew Regional Park	Sports and Recreation Activities	30	West
Park	Parks	40	West
Jerrabomberra Public School	School Education	50	West
Playground	Sports and Recreation Activities	60	West
Queanbeyan Lawn Cemetery	Places of Worship	70	North-west
Playground	Sports and Recreation Activities	120	West
Rutidosis Reserve	Parks	185	West
Goodstart Jerrabomberra	Child Care Services	188	West
Jerrabomberra Community Centre	Community Centres & Services	195	West

1.2 PLANNING CONTROLS

Map 1.2 (onsite)

Zoning

Code	Zoning	Details
B1	B1 Neighbourhood Centre	Queanbeyan Local Environmental Plan 2012
B4	Mixed Use	
B7	Business Park	
DM	Deferred Matter	

E2	Environmental Conservation	
IN2	Light Industrial	
R2	Low Density Residential	
RE1	Public Recreation	
RE2	Private Recreation	
RU2	Rural Landscape Zone	
SP2	Infrastructure	

Environmental Planning Instruments

Type	Category	Details
VAB	Visual and Acoustic Buffer Map	Queanbeyan Local Environmental Plan 2012
LOC	Local Clauses Map - Visual and Acoustic Buffer Clause 7.5 Applies	
LOC	Local Clauses Map - Arterial Road Area	
APU	Additional Permitted Uses Map	

Other Planning Information

Type	Category	Details
Not identified	-	-

1.3 HERITAGE

Map 1.3 (200m Buffer)

State and Local Heritage

Site ID	Site Name	Type	Details	Distance (m)	Direction
I1	Stone-faced Brick Building	Heritage conservation Area	Item - General significance= Local	0	Onsite

Australian Heritage Database

Site ID	Site Name	Type	Details	Distance (m)	Direction
105991	Natural Areas around and within Majura, Pialligo and Jerrabomberra	Commonwealth heritage List	Nominated place Natural	0	Onsite

Commonwealth Heritage List, National Heritage List and World Heritage Area.

1.4 SOIL AND LAND USE INFORMATION

Map 1.4a/1.4b (onsite)

Soil Landscape

Soil Landscape	YPI	Kurosols	Soil Group	Yellow Podzolic Soils - less fertile (granites and metasediment)
Description	GSG classification - Strongly differentiated duplex soils with light to medium textured A1 horizon over a pale A2 over a yellowish, firm to friable B horizon with generally polyhedral structure.			
Soil Landscape	SH	Kurosols, Natric	Soil Group	Soloths

Soil Landscape	YPI	Kurosols	Soil Group	Yellow Podzolic Soils - less fertile (granites and metasediment)
Description	GSG classification - Acid soils with strong texture contrast between pale topsoil and clay subsoil with coarse blocky or columnar structure. structure-- Describes with the arrangement of all soil particles and refers to the distinctness, size, shape and condition of the peds. The degree of structural distinctness is referred to as grade of pedality. Descriptive terms used are: single-grained-- soil occurs as a loose, incoherent mass of individual particles (as in sands); massive-- soil occurs as a coherent mass with no distinct arrangement of soil particles; weak pedality-- peds are barely observable in an undisturbed soil; moderate pedality-- peds are well formed and evident, although not distinct; strong pedality-- peds are quite distinct in an undisturbed soil.			
Soil Landscape	AI	Rudosols (Alluvial)	Soil Group	Alluvial Soils - Light Sandy Textured (Sands to Sandy Loams)
Description	GSG classification - Soils developed from recently deposited alluvium, normally characterised by little or no modification of the deposited material by soil forming processes, particularly with respect to soil horizon development.			
Soil Landscape	RPI	Kurosols	Soil Group	Red Podzolic Soils - less fertile (granites and metasediment)
Description	GSG classification - Strongly differentiated duplex soils with light to medium textured A1 horizon over a pale or bleached A2 over a reddish, firm to friable B horizon with generally polyhedral structure.			

Salinity

Salinity Hazard	Low	Yes
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Radon

Radon Level	Bq/m ³	16-19
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Typical radon levels in Australia are low and the values shown are the average values for each census district. For specific location, factors such as the local geology and house type could lead to different values. (ARPANSA).

Acid Sulfate Soil

ASS Risk Map (Table 1.4.1)	On the Property?	Within Buffer?
Class	Not identified	Not identified

National Acid Sulfate Soils Atlas

Atlas of Australian ASS (Table 1.4.2)	Bn(p4)	ASS in inland lakes, waterways, wetlands and riparian zones	Probability of Occurrence	Low Probability of occurrence
	Cq(p4)	ASS in inland lakes, waterways, wetlands and riparian zones		Extremely low probability of occurrence

Table 1.4.1. Classification scheme in the ASS Planning Maps

Class of Land as shown on ASS Planning Maps	
1	Any works.
2a	Works below the natural ground surface. Works by which the watertable is likely to be lowered.
2b	Works other than ploughing below the natural ground surface. Works by which the watertable is likely to be lowered.

Table 1.4.1. Classification scheme in the ASS Planning Maps

3	Works more than 1 metre below the natural ground surface. Works by which the watertable is likely to be lowered more than 1 metre below the natural ground surface.
4	Works more than 2 metres below the natural ground surface. Works by which the watertable is likely to be lowered more than 2 metres below the natural ground surface.
5	Works within 500 metres of adjacent Class 1, 2a, 2b, 3 or 4 land that is below 5 metres Australian Height Datum and by which the watertable is likely to be lowered below 1 metre Australian Height Datum on adjacent Class 1, 2a, 2b, 3 or 4 land.

For each class of land, the maps identify the type of works likely to present an environmental risk if undertaken in the particular class of land. If these types of works are proposed, further investigation is required to determine if ASS are actually present and whether they are present in such concentrations as to pose a risk to the environment.

Table 1.4.2. Atlas of Australian Acid Sulfate Soils¹ (ASRIS) (CSIRO/NatCASS)

Probability of Occurrence of ASS ¹	
A	High Probability of occurrence - (>70% chance of occurrence in mapping unit)
B	Low Probability of occurrence - (6-70% chance of occurrence in mapping unit)
C	Extremely low probability of occurrence - (1-5% chance of occurrence in mapping unit)
D	No probability of occurrence - (<1% chance of occurrence in mapping unit)
x	Disturbed ASS¹ terrain - (ASS ¹ material present below urban development).
u	Unclassified - (Insufficient information to classify map unit)
Zones	
a	Potential acid sulfate soil material and/or Monosulfidic Black Ooze (MBO).
b, c	Potential acid sulfate soil generally within upper 1 m.
c, d, e	ASS ¹ generally within upper 1 m.
f	ASS ¹ generally below 1 m from the surface
g	ASS ¹ , generally below 3 m from the surface.
h	ASS ¹ generally within 1 m of the surface.
i, j	ASS ¹ generally below 1 m of the surface.
k	ASS ¹ material and/or Monosulfidic Black Ooze (MBO).
l, m, n, o, p, q	ASS ¹ generally within upper 1 m in wet / riparian areas.
Subscripts to codes	
(a)	Actual acid sulfate soil (AASS) = sulfuric material.
(p)	Potential acid sulfate soil (PASS) = sulfidic material.
(q)	Monosulfidic Black Ooze (MBO) is organic ooze enriched by iron monosulfides.
Confidence levels	
(1)	All necessary analytical and morphological data are available
(2)	Analytical data are incomplete but are sufficient to classify the soil with a reasonable degree of confidence
(3)	No necessary analytical data are available, but confidence is fair, based on a knowledge of similar soils in similar environments
(4)	No necessary analytical data are available, and classifier has little knowledge or experience with ASS, hence classification is provisional

¹Acid Sulfate Soils (ASS) are all those soils in which sulfuric acid may be produced, is being produced, or has been produced in amounts that have a lasting effect on main soil characteristics (Pons 1973). Acid sulfate soil (ASS) may include PASS or AASS + PASS. Potential acid sulfate soil (PASS) = sulfidic material. Actual acid sulfate soil (AASS) = sulfuric material.

1.5 GEOLOGY AND TOPOGRAPHY

Map 1.5 (onsite)

Geology

Map Sheet	Code	Formation	Age	Group	Dominant Lithology	Description
Canberra 1:100 000 Geological Map	Oada	Abercrombie Formation	Lower Ordovician	Adaminaby Group	Sandstone	Brown and buff to grey, thin- to thick-bedded, fine- to coarse-grained mica-quartz (+/- feldspar) sandstone, interbedded with laminated siltstone and mudstone. Sporadic chert-rich units.
	Q_a	<null>	Quaternary	Alluvium	Clastic sediment	Unconsolidated grey to brown to beige humic (±)micaceous silty clay, quartz-(±)lithic silt, fine- to medium-grained quartz-rich to quartz-lithic sand, polymictic pebble to cobble gravel (as sporadic lenses); sporadic palaeosol horizons.
	Sdod	Deakin Volcanics	Upper Silurian	Douro Group	Pyroclastic rock	Rhyodacitic ignimbrite and minor volcanoclastic and argillaceous sedimentary rocks.
	Sdod_a	Deakin Volcanics	Upper Silurian	Douro Group	Ash tuff, lapillistone, and lapilli tuff	Unnamed tuff, sandstone, shale.
	Sdodm	Deakin Volcanics	Upper Silurian	Douro Group	Fine grained igneous rock	Blue and mauve-grey porphyritic rhyodacite, volcanoclastic and epiclastic tuff (as a waterlaid deposit), tuffaceous shale.
	Sdodm_s	Deakin Volcanics	Upper Silurian	Douro Group	Siltstone	Tuffaceous siltstone and shale.
	Suoc	Canberra Formation	Lower Silurian	Ungrouped Cowra-Yass Zone units	Mudstone	Mudstone, siltstone, minor sandstone, limestone, hornfels, dacitic ignimbrite volcanoclastics, minor agglomerate and lithic tuff.
	Suos	State Circle Shale	Lower Silurian	Ungrouped Cowra-Yass Zone units	Shale	Shale, mudstone, siltstone and minor sandstone.

Naturally Occurring Asbestos Potential (NOA)

Category	On the Property?	Within Buffer?
Not identified	-	-

Topography

Topography	580-860 mAHD
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Section 2 Hydrogeology



2.1 HYDROGEOLOGY AND GROUNDWATER BORES

Map 2.1 (2000m Buffer)

	On the Property?	Within Buffer?
Aquifer Type	Fractured or fissured, extensive aquifers of low to moderate productivity	Fractured or fissured, extensive aquifers of low to moderate productivity
Drinking Water Catchments	Not identified	Not identified
Protected Riparian Corridor	Jerrabomberra Creek	Jerrabomberra Creek
UPSS Environmentally Sensitive Zone	MURRUMBIDGEE RIVER	MURRUMBIDGEE RIVER
Wetlands	Not identified	Not identified

Groundwater Bores

Map ID	Groundwater Bore ID	Authorised Purpose	Completion Date	Drilled Depth (m)	Final Depth (m)	SWL (m)	Salinity (mg/l)	Yield (L/s)	Distance (m)	Direction
2	GW043847	Household	1/08/1969	37.8	37.7	12.1	Hard	0.075	0.0	Onsite
3	GW025629	Household	1/02/1965	23.2	23.2	13.1	<Null>	0.303	0.0	Onsite
4	GW025867	Household	1/02/1965	21.3	21.3	11	<Null>	0.303	0.0	Onsite
5	GW043846	Irrigated agriculture	1/10/1969	40.5	40.5	17.6	Hard	0.505	0.0	Onsite
12	410716	Unknown	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	0.0	Onsite
16	GW414716	Household	5/05/2011	<Null>	132.0	25	<Null>	1.05	0.0	Onsite
9	GW402607	Household	4/12/2003	90.0	90.0	7	<Null>	0.438	67.0	East
17	GW417521	Null	N/A	18.0	18.0	<Null>	<Null>	<Null>	159.0	East

Map ID	Groundwater Bore ID	Authorised Purpose	Completion Date	Drilled Depth (m)	Final Depth (m)	SWL (m)	Salinity (mg/l)	Yield (L/s)	Distance (m)	Direction
41	622	Unknown	<Null>	4.3	4.3	<Null>	<Null>	<Null>	244.5	North-west
29	617	Unknown	<Null>	6.8	6.8	<Null>	<Null>	<Null>	254.7	North-west
38	48	Unknown	14/08/1954	39.6	39.6	<Null>	<Null>	<Null>	291.7	North-west
34	623	Unknown	<Null>	5.4	5.4	<Null>	<Null>	<Null>	347.6	North-west
32	618	Unknown	<Null>	4.1	4.1	<Null>	<Null>	<Null>	372.9	North-west
1	GW032115	Unknown	1/12/1969	51.8	51.8	40.2	501-1000 ppm	0.51	386.4	North-east
37	621	Unknown	<Null>	0.0	0.0	<Null>	<Null>	<Null>	436.5	North-west
21	608	Unknown	17/06/1981	9.6	9.6	<Null>	<Null>	<Null>	491.2	North-west
22	609	Unknown	22/06/1981	15.6	15.6	<Null>	<Null>	<Null>	520.0	North-west
19	607	Unknown	16/06/1981	6.2	6.2	<Null>	<Null>	<Null>	524.2	North-west
27	624	Unknown	<Null>	5.7	5.7	<Null>	<Null>	<Null>	527.5	North-west
24	603	Unknown	11/06/1981	4.4	4.4	<Null>	<Null>	<Null>	530.6	North-west
39	619	Unknown	<Null>	6.8	6.8	<Null>	<Null>	<Null>	536.8	North-west
14	410712	Unknown	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	554.0	South-east
35	625	Unknown	<Null>	5.8	5.8	<Null>	<Null>	<Null>	625.4	North-west
43	630	Unknown	<Null>	5.2	5.2	<Null>	<Null>	<Null>	690.3	North-west
18	223	Unknown	13/05/1967	14.63	14.63	<Null>	<Null>	<Null>	708.3	North
33	629	Unknown	<Null>	4.5	4.5	<Null>	<Null>	<Null>	728.4	North-west
40	631	Unknown	<Null>	4.58	4.58	<Null>	<Null>	<Null>	771.4	North-west
20	47	Unknown	1/01/1952	24.69	24.69	<Null>	<Null>	<Null>	870.2	North-west
25	604	Unknown	11/06/1981	5.94	5.94	<Null>	<Null>	<Null>	871.9	North-west
44	626	Unknown	<Null>	5.87	5.87	<Null>	<Null>	<Null>	883.5	North-west
31	628	Unknown	<Null>	4.52	4.52	<Null>	<Null>	<Null>	888.4	North-west
11	GW403921	Household	5/05/2005	75	75	<Null>	<Null>	1.5	898.2	East
28	627	Unknown	<Null>	5.85	5.85	<Null>	<Null>	<Null>	911.5	North-west
42	620	Unknown	<Null>	5.67	5.67	<Null>	<Null>	<Null>	925.6	North-west
23	606	Unknown	16/06/1981	9.5	9.5	<Null>	<Null>	<Null>	934.4	North-west
26	605	Unknown	12/06/1981	9.2	9.2	<Null>	<Null>	<Null>	967.7	North-west
30	798	Water Supply	14/07/2010	60	60	<Null>	<Null>	<Null>	1003.5	North-west

Map ID	Groundwater Bore ID	Authorised Purpose	Completion Date	Drilled Depth (m)	Final Depth (m)	SWL (m)	Salinity (mg/l)	Yield (L/s)	Distance (m)	Direction
8	GW401765	Recreation	30/09/1997	100	100	22	Fair	1.25	1016.0	North-east
36	578	Water Supply	11/12/2007	90	90	<Null>	<Null>	<Null>	1216.4	North-west
6	GW038210	Exploration or research	1/02/1973	91.4	91.4	<Null>	Fresh	0.52	1252.7	North
10	GW403897	Household	25/05/2004	128	128	<Null>	<Null>	0.442	1402.7	South-east
13	410743	Unknown	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>	1617.3	South-east
15	GW414721	Household	8/04/2003	<Null>	94	<Null>	<Null>	<Null>	1683.1	South-east
7	GW400651	Household	4/12/1998	40	40	18	Good	0.63	1837.5	East

Groundwater Bores Driller Lithology Details

Groundwater Bore ID	From Depth – To Depth (m)	Lithology	Distance (m)	Direction
GW043847	0m-1.22m Soil subsoil 1.22m-25.3m Porphyry decomposed 25.3m-37.8m Porphyry hard 37.8m-37.81m Bedrock hard water supply		0.0	Onsite
GW025629	0m-3.05m Clay 3.05m-18.29m Granite decomposed water supply 18.29m-23.16m Porphyry		0.0	Onsite
GW025867	0m-6.1m Clay 6.1m-9.14m Porphyry 9.14m-19.81m Granite black red 19.81m-21.34m Porphyry		0.0	Onsite
GW043846	0m-1.83m Clay 0m-1.83m Soil subsoil 1.83m-17.98m Porphyry decomposed 17.98m-30.78m Porphyry very hard 30.78m-40.54m Porphyry hard		0.0	Onsite
410716	#N/A		0.0	Onsite
GW414716	#N/A		0.0	Onsite
GW402607	0m-8m Soil, weathered clays and shale 8m-15m Shale, fractured 15m-90m Dacite, hard blue		67.0	East
GW417521	#N/A		159.0	East
622	<Null>		244.5	North-west
617	<Null>		254.7	North-west
48	<Null>		291.7	North-west
623	<Null>		347.6	North-west
618	<Null>		372.9	North-west
GW032115	0m-10.36m Clay 10.36m-39.62m Shale yellow 39.62m-51.82m Shale water supply		386.4	North-east
621	<Null>		436.5	North-west
608	0m-0.02m Red brown poorly sort sand 0.02m-0.09m Light brown poorly sort gravelly silt 0.09m-0.15m Light brown (more gravelly) silt 0.15m-0.21m Yellow brown clay and feldspars 0.21m-0.24m Pale red brown gravelly clay		491.2	North-west
609	0m-0.12m No core 0.12m-0.16m Coarse clayey gravel		520.0	North-west

Groundwater Bore ID	From Depth – To Depth (m)	Lithology	Distance (m)	Direction
	0.16m-0.18m Pale grey heavy clay 0.18m-0.26m Moderately weathered purple dacite 0.26m-0.39m Slightly weathered purple dacite			
607	0m-0.04m Light brown silt, some gravel 0.04m-0.05m Yellow brown clay with feldspars 0.05m-0.11m Tan silty gravel, mottled at 4 m 0.11m-0.13m Porous silty sandy fine gravel 0.13m-0.16m Pink gravelly silt		524.2	North-west
624	<Null>		527.5	North-west
603	0m-0.07m Brown coarse sandy gravel 0.07m-0.09m Light brown coarse sandy silt 0.09m-0.11m Light brown silty sand		530.6	North-west
619	<Null>		536.8	North-west
410712	#N/A		554.0	South-east
625	<Null>		625.4	North-west
630	<Null>		690.3	North-west
223	0m-5.18m Clay and sand 5.18m-14.63m Gravel and sand		708.3	North
629	<Null>		728.4	North-west
631	<Null>		771.4	North-west
47	0m-13.41m Clay or mud 13.41m-16.149999999999m Sands on sandy clay 16.149999999999m-16.46m Bedrock		870.2	North-west
604	0m-0.01m Dark brown organic silt 0.01m-0.06m Bleached gravelly silt 0.06m-0.08m Yellow-grey mottled clay and feldspars 0.08m-0.13m Light brown gravelly silt 0.13m-0.13m Red and grey mottled clay, some feldspars 0.13m-0.15m Purple volcanic (dacite)		871.9	North-west
626	<Null>		883.5	North-west
628	<Null>		888.4	North-west
GW403921	0m-0.2m Topsoil 0.2m-10m Shale - yellow 10m-22m Shale - grey 22m-75m Shale - black		898.2	East
627	<Null>		911.5	North-west
620	<Null>		925.6	North-west
606	0m-0.01m Dark brown silt 0.01m-0.03m Light brown silty gravel 0.03m-0.08m Grey-brown mottled clayey silty gravel 0.08m-0.18m Light brown silt 0.18m-0.24m Pinky tan gravelly silt, less gravel 8-9.5 m		934.4	North-west
605	0m-0.01m Dark brown organic silt 0.01m-0.03m Poorly sorted clayey gravel 0.03m-0.04m Silty gravel, less clay 0.04m-0.08m Bleached silty clayey gravel 0.08m-0.15m Loose poorly sorted brown silty gravel 0.15m-0.18m Loose poorly sorted brown silty gravel, more clayey 0.18m-0.22m Grey-brown mottled gravelly clay 0.22m-0.23m Bedrock - purple dacite		967.7	North-west
798	<Null>		1003.5	North-west
GW401765	0m-0.6m Soil 0.6m-6m Clays		1016.0	North-east

Groundwater Bore ID	From Depth – To Depth (m)	Lithology	Distance (m)	Direction
	6m-36m Shales 36m-100m Shale, hard blue to black			
578	<Null>		1216.4	North-west
GW038210	0m-0.91m Topsoil 0.91m-5.48m Topsoil clay 5.48m-12.49m Shale decomposed slate 12.49m-85.95m Slate grey water supply quartz bands 85.95m-91.44m Granite black		1252.7	North
GW403897	0m-14m Granite - decomposed 14m-57m Granite - blue - fresh 57m-59m Granite - brown - fractured 59m-128m Granite - blue - fresh		1402.7	South-east
410743	#N/A		1617.3	South-east
GW414721	#N/A		1683.1	South-east
GW400651	0m-4m Red sandy clay 4m-7m Decomposed basalt 7m-40m Hard basalt		1837.5	East

2.2 HYDROGEOLOGY AND OTHER BOREHOLES

Map 2.2 (500m Buffer)

	On the Property?	Within Buffer?
Groundwater Vulnerability	Not identified	Not identified
Groundwater Exclusion Zones ^{1,2}	Not identified	Not identified
Hydrogeologic Unit	Palaeozoic and Pre-Cambrian Fractured Rock Aquifers (low permeability)	Palaeozoic and Pre-Cambrian Fractured Rock Aquifers (low permeability)

¹ - Botany Groundwater Management Zones (BGMZ): Zone 1 – the use of groundwater remains banned; Zones 2 to 4 – domestic groundwater use is banned, especially for drinking water, watering gardens, washing windows and cars, bathing, or to fill swimming pools.

² - Williamstown Groundwater Management Zones (WGMZ): Primary Management Zone – this area has significantly higher levels of PFAS detected and therefore, the strongest advice applies. Secondary Management Zone – this area has some detected levels of PFAS; Broader Management Zone – the topography and hydrology of the area means PFAS detections could occur now and into the future.

Groundwater Dependent Ecosystems (GDE)

	On the Property?	Within Buffer?
Aquatic	High - moderate	High - moderate
Terrestrial	Not identified	Low

Aquatic - Ecosystems that rely on the Surface expression of groundwater.

Terrestrial - Ecosystems that rely on the Subsurface expression of groundwater.

Other Known Borehole Investigations (Coal Seam Gas (CSG), Petroleum Wells and Other Boreholes)

Borehole ID	Purpose	Project	Client/ License	Date Drilled	Depth (m)	Distance (m)	Direction
100054_2019_RPT_OC_GEF_AUNSW_4_GT0001415	RPT	A collection of NSW geotechnical reports as part of the NSW Government Geotechnical	Drilling, Soil Sample Analysis located at Jerrabomberra Public School : geotechnical investigation	01/01/2000	0.0	125.2	East

Borehole ID	Purpose	Project	Client/ License	Date Drilled	Depth (m)	Distance (m)	Direction
		Report Database Project (GGRD).	/ Peter Shun, Geo				
ENSR_MW12	Borehole	Hume Timber Mill	<Null>	05/08/2008	7.0	182.7	North-west
100054_2019_RPT_OC_GEF_AUNSW_4_GT0001416	RPT	A collection of NSW geotechnical reports as part of the NSW Government Geotechnical Report Database Project (GGRD).	Soil Sample Analysis located at Jerrabomberra Public School : proposed carpark : additional geotechnical soil testing	01/01/2002	0.0	192.2	East
ENSR_MW04D	Borehole	Hume Timber Mill	<Null>	07/08/2008	16.5	225.9	North-west
ENSR_MW11	Borehole	Hume Timber Mill	<Null>	06/08/2008	16.5	236.7	North-west
ENSR_MW10	Borehole	Hume Timber Mill	<Null>	06/08/2008	17.0	454.4	North-west



Section 3 Environmental Registers, Licences and Incidents



3.1 CONTAMINATED LAND PUBLIC REGISTER

Map 3.1 (1000m Buffer)

Sites Notified as Contaminated to the EPA

Site Name	Address	Activity that caused Contamination	EPA Site Management Class (Table 3.1.1)	Distance (m)	Direction
Caltex Service Station	Lanyon Dr Cnr McCrae St (1 Suraci Place) STREET QUEANBEYAN WEST	Service Station	Regulation under CLM Act not required	915	North- west

If the record does not contain a complete street address and/or cannot be located, the records' geographic location will be approximated and reported as being within the surrounding area.

Contaminated Land Record of Notices

Site Name	Area n°	Address	Notices	Distance (m)	Direction
Not identified	-	-	-	-	-

If the record does not contain a complete street address and/or cannot be located, the records' geographic location will be approximated and reported as being within the surrounding area.

Table 3.1.1. EPA Site Management Class Explanation

Table 3.1.1 EPA Site Management Class	
EPA Site Management Class	
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.
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.

Table 3.1.1 EPA Site Management Class

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.
Contamination currently regulated under the 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.
Contamination currently regulated under the 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 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 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 by the appropriate consent authority via the planning process under the Environmental Planning and Assessment Act 1979 (EP&A 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.

The EPA maintains a record of sites that have been notified to the EPA by owners or occupiers as contaminated land. The sites notified to the EPA are recorded on the register at various stages of the assessment and/or remediation process.

3.2 SITES REGULATED BY OTHER JURISDICTIONAL BODY

Map 3.2 (2000m Buffer)

Defence, Military Sites and UXO Areas

Site name	Type*	Details	Distance (m)	Direction
Canberra; HMAS Harman and Bonshaw receiver	RCIP	<p>The property covers approximately 250 hectares and comprises office buildings, training facilities, accommodation blocks, workshops, recreational facilities and a former pistol range. Activities for potential sources of contamination include bulk storage and distribution of petrol and diesel in underground storage tanks (USTs). Fill material from unknown origins was used for building. This fill may contain polychlorinated biphenyls (PCBs) due to historical use as a receiving station. The former pistol firing range was decommissioned in 2009, and also a landfill.</p> <p>The landfill area was investigated and remediated at the base for redevelopment in 2010. Hydrocarbons have been identified in groundwater in the vicinity of former USTs, however, concentrations were below the adopted investigation levels.</p>	820	North

*RCIP (Regional Contamination Investigation Program). UXO (Unexploded Ordnance Areas)

Former Gasworks Sites

Site name	Description	Distance (m)	Direction
Not identified	-	-	-

PFAS Sites

Site name	Description	Source	Distance (m) *	Direction
Not identified	-	-	-	-

National Pollutant Inventory (NPI)

Facility name	Address	Primary ANZSIC Class	Latest report	Distance (m)	Direction
KOPPERS, HUME	TRALEE ST, Hume	Reconstituted Wood Product Manufacturing	2004/2005	90	West
Hume Asphalt Plant	36 Sawmill Circuit, Hume	Other Petroleum and Coal Product Manufacturing	2018/2019	95	West
INTEGRATED FOREST PRODUCTS (Receivers & Managers Appointed)	2 TRALEE ST, Hume	Log Sawmilling	2006/2007	550	West
HMAS Harman	Canberra Avenue, Harman	Defence	2015/2016	820	North
MUGGA LANE LANDFILL	MUGGA LANE, Canberra	Waste Treatment and Disposal Services	2018/2019	1400	West
Mugga Lane	MUGGA LA, Symonston	Other Electricity Generation	2018/2019	1400	West
Queanbeyan Quarry	50 Rayalla Road, Queanbeyan	Gravel and Sand Quarrying	2018/2019	1700	East

3.3 LICENCES, APPROVALS & NOTICES

Map 3.3 (500m Buffer)

Licences

Licence N°	Licence holder	Location Name	Premise Address	Fee Based Activity	Distance (m)*	Direction
Not identified	-	-	-	-	-	-

If the record does not contain a complete street address and/or cannot be located, the records' geographic location will be approximated and reported as being within the surrounding area.

Other Licences still Regulated by EPA

Licence N°	Licence holder	Location Name	Premise Address	Fee Based Activity	Status	Distance (m)*	Direction
Not identified	-	-	-	-	-	-	-

If the record does not contain a complete street address and/or cannot be located, the records' geographic location will be approximated and reported as being within the surrounding area.

Clean Up and Penalty Notices

Location ID	Notice Type	Notice N°	Licence holder	Location Name	Premise Address	Distance (m)*	Direction
Not identified	-	-	-	-	-	-	-

If the record does not contain a complete street address and/or cannot be located, the records' geographic location will be approximated and reported as being within the surrounding area.



Section 4 Potentially Contaminated Areas



4.1 FORMER POTENTIALLY CONTAMINATED LAND

Map 4.1 (500m Buffer)

Contaminated Legacy Areas / Historic Incident Sites

Site Name	Description	Distance (m)	Direction
Not identified	-	-	-

Includes known contaminated areas such as James Hardies Asbestos waste legacy areas, Pasminco Smelter and Uranium processing site.

Derelict Mines and Quarries

Site name	Description	Distance (m)	Direction
Tralee Sand & Gravel Pit	Location of operation given as Tralee. Property named Tralee is located south of Jerrabomberra Creek near NSW ACT border. Material extracted is sand and river gravel. Exact location unknown, possibly on Jerrabomberra Creek but unlikely. Production possi	0	Onsite
Tralee	Previously in Yarrowlunla Shire S117, shire boundary changed in 1995. CSR informed us in March 1999 that they do not have any intension of developing a quarry on the site and are in the process of relinquishing their leases and caveats. Proposal for sub	50	South
Jerrabomberra Prospect	GS1971/653-anomalous stream sediments with follow up rock chips to: 5ppm Ag, 80ppm Cu, 1400ppm Pb, 5500ppm Zn, 358ppm As, 3100ppm Mn. Gossans are located in a picnic area of the Municipality of Queanbeyan.	287	East

Historical Landfills

Site name	Description	Distance (m)	Direction
Not identified	-	-	-

4.2 CURRENT POTENTIALLY CONTAMINATING ACTIVITIES (PCA)

Map 4.2 (500m Buffer)

Industries, businesses and activities that may cause contamination

Site name	Category	Location	Status*	Distance (m)	Direction
7-Eleven Jerrabomberra	Petrol Station	2 Ferdinand Lane, JERRABOMBERRA, 2619, NSW	Operational	0	Onsite
Woolworths Caltex Jerrabomberra	Petrol Station	2 Limestone Drive, Jerrabomberra	Operational	160	East
Suez Service Centre	Waste Management Facility	11 Alderson Place, Hume	Operational	250	West
Tralee (TRAL)	Telephone Exchange	24 Rosewood Glen, Jerrabomberra	Operational	495	East

*Status:

Data is current as when this report was created. However due to the turnover of business locations, some addresses may be former.

Current: business is operating on the day this report was issued.

Former: business that have been closed or discontinued 1 to 2 years prior from the day this report was issued. All former sites older than 2 years will be reported in the 'Historical Potentially Contaminating Activities' section 4.4 in this report.

Included in this search:

Type	Type	Type
Cattle Dip Sites	Liquid Fuel Depots	Substation/Switching Stations
Dry Cleaners	Operating Mines	Telephone Exchanges
Fire Rescue	Power Stations	Wastewater Treatment Plants
Gas Terminals	Petrol Stations	Waste Management Facilities

Includes industries or business activities associated with potentially contaminating activities. Records identified within section 4.2 are considered to have a higher likelihood of contamination risk associated with the type of business activity. The contamination risk associated with these records is based solely on the type of activity undertaken by the business, and in conjunction with business activities deemed to be of moderate to high risk of potential contamination identified in State Government regulatory body (EPA) published regulations or guidelines.

The records identified have not been risk ranked based on any current or previous site inspection. Please note that records not identified within this section (due to error or unforeseen omission) does not necessarily mean that the screened area is not potentially contaminated or free of any risks.

4.3 OTHER POTENTIALLY CONTAMINATING ACTIVITIES

Map 4.3 (200m Buffer)

Industries, businesses and activities that may cause contamination considered of lesser risk

Site name	Category	Location	Status*	Distance (m)	Direction
HDM Metal	Manufacturer	16 Arnott St, Hume ACT 2620	Current	89	West
Acrow Formwork & Scaffolding Pty Ltd	Scaffolding Hire Service	15A Sleigh Pl, Hume ACT 2620	Current	100	West
Irwin & Hartshorn	Demolition contractor	12 Alderson Pl, Hume ACT 2620	Current	110	West

Site name	Category	Location	Status*	Distance (m)	Direction
Cummins Canberra	Manufacturer	15 Arnott St, Hume ACT 2620	Current	111	West
Lo Pilato Bros	Landscaping supply store	13 Arnott St, Hume ACT 2620	Current	113	West
InfraBuild Steel Centre - Canberra	Steel distributor	Johns Pl, Hume ACT 2620	Current	119	West
Pacific Formwork	Industrial building	10 Johns Pl, Hume ACT 2620	Current	122	West
Sodablast Canberra	Sandblasting service	7/23 Raws Cres, Hume ACT 2620	Current	123	West
Revlon	Warehouse	31-45 Raws Cres, Hume ACT 2620	Current	126	West
ShelvMaster	Shelving store	Unit 2/21 Raws Cres, Hume ACT 2620	Current	128	West
HDM Metal	Steel fabricator	27 Raws Cres, Hume ACT 2620	Current	131	West
Adams Bikes	Bicycle Shop	4/21 Raws Cres, Hume ACT 2620	Current	134	West
Coates Hire Hume (P)	Equipment rental agency	47 Alderson Pl, Hume ACT 2620	Current	136	West
Downer Hume & Asphalt Plant	Asphalt Plant	36 Sawmill Cct, Hume ACT 2620	Current	139	West
Waco Kwikform Canberra	Scaffolding Hire Service	17 Sheppard St, Hume ACT 2620	Current	143	West
Toll Express	Logistics service	44-50 Sawmill Cct, Hume ACT 2620	Current	146	West
Statewide Frames & Trusses	License plate frames supplier	5a/15 Sheppard St, Hume ACT 2620	Current	151	West
Grace Removals Canberra	Removalist	54 Sawmill Circuit Hume, Canberra ACT 2609	Current	158	West
Optus	Telecommunications	47 Raws Cres Hume ACT	Current	165	West
Cloud Electrical Pty Ltd	Electrician	Unit 2/13 Sleigh Pl, Hume ACT 2620	Current	167	West
Alto Scaffolding	Scaffolding	15b Sleigh Pl, Hume ACT 2620	Current	173	West
National Storage Hume, Canberra	Self-storage facility	20 Alderson Pl, Hume ACT 2620	Current	188	West

***Status:**

Data is current as when this report was created. However due to the turnover of business locations, some addresses may be former.

Current: business is operating on the day this report was issued.

Former: business that have been closed or discontinued 1 to 2 years prior from the day this report was issued. All former sites older than 2 years will be reported in the 'Historical Potentially Contaminating Activities' section 4.4 in this report.

Includes industries or business activities records associated with potentially contaminating activities that are not listed in section 4.2 of this report. Records identified within this section are considered to have a lesser likelihood of contamination risk associated with the type of business activity. The contamination risk associated with the records listed in this section are based solely on the type of activity undertaken and have not been risk ranked based on any current or previous site inspection, as such, some of the sites listed in section 4.3 can be potentially of high risk. Industries or business activities deemed of a negligible risk of contamination are not reported. Please note that any record not identified within this section (due to error or unforeseen omission) does not necessarily mean that the screened area is not potentially contaminated or free of any risks.

4.4 HISTORICAL POTENTIALLY CONTAMINATING ACTIVITIES

(not mapped)

1930 Historical Business Data

Activity	Name	Address	Positional accuracy ¹	Distance (m)	Direction
Not identified	-	-	-	-	-

1940 Historical Business Data

Activity	Name	Address	Positional accuracy ¹	Distance (m)	Direction
Not identified	-	-	-	-	-

1950 Historical Business Data

Activity	Name	Address	Positional accuracy ¹	Distance (m)	Direction
Not identified	-	-	-	-	-

1965 Historical Business Data

Activity	Name	Address	Positional accuracy ¹	Distance (m)	Direction
Not identified	-	-	-	-	-

1970 Historical Business Data

Activity	Name	Address	Positional accuracy ¹	Distance (m)	Direction
Not identified	-	-	-	-	-

1980 Historical Business Data

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Carriers - Heavy Industrial Transportation	Canberra Freight Express Pty Ltd	13 Arnott Street, Hume,ACT	Address	165.9	North-west
Earth Moving &/Or Excavating Contractors	LG Pilato Bros	13 Arnott Street, Hume,ACT	Address	165.9	North-west
Sand Soil & Gravel - Retailers	Lo Pilato Bros	13 Arnott Street, Hume,ACT	Address	165.9	North-west
Earth Moving &/Or Excavating Contractors	Casper Constructions	Arnott Street, Hume,ACT	Street		North-west
Furniture - Exterior/Outdoor	Hume Landscape Supplies & Services	Arnott Street,Hume,ACT	Street		North-west
Graziers	Lincoln T	Tralee Street, Tallawang,NSW	Street		Onsite
Ice Cream Vendors	Actice Supplies	Arnott Street,Hume,ACT	Street		North-west
Landscape Gardening Services & Supplies	Hume Landscape Supplies & Services	Arnott Street,Hume,ACT	Street		North-west
Primary Metal Products	O'Kane K L	Tralee Street, Brewer,NSW	Street		Onsite
Sand Soil & Gravel - Retailers	Hume Landscape Supplies & Services	Arnott Street,Hume,ACT	Street		North-west
Transport & Transportation Service	Canham B C	Tralee Street, Bugaldie,NSW	Street		Onsite

1990 Historical Business Data

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Steel Fabrication & M/Facrs	Metal Market The	16 Arnott Street, Hume,ACT	Address	90.4	North-west
Steel Merchant	Metal Market The	16 Arnott Street, Hume,ACT	Address	90.4	North-west
Welding	Metal Market The	16 Arnott Street, Hume,ACT	Address	90.4	North-west
Electrical W/Salers	Tuggeranong Electrical Wholesalers	15 Arnott Street, Hume,ACT	Address	105.4	North-west
Fuel Merchants & Buyers	O'Rourke's Solid Fuel Distributors	22 Alderson Place, Hume,ACT	Address	155.8	North-west
Petroleum and Coal Products n.e.c.	O'Rourke's Solid Fuel Distributors	22 Alderson Place, Hume,ACT	Address	155.8	North-west
Metal - Merchants	Tubemakers Metal Centre	11 Johns Place, Hume,NSW	Address	155.9	North-west
Landscape Gardening Services & Supplies	Hume Landscape Supplies	14 Arnott Street, Hume,ACT	Address	163.6	North-west
Nurseries - Retail	Hume Landscape Supplies	14 Arnott Street, Hume,ACT	Address	163.6	North-west
Packing & Filling Contractors	CNS Pty Ltd	14 Arnott Street, Hume,ACT	Address	163.6	North-west
Playground Equipment Design & Installation	Hume Recreational Equipment	14 Arnott Street, Hume,ACT	Address	163.6	North-west
Sand Soil & Gravel - Retailers	Hume Landscape Supplies	14 Arnott Street, Hume,ACT	Address	163.6	North-west
Timber - Retailer/Trader	A.C.T. Mulch Supplies	14 Arnott Street, Hume,ACT	Address	163.6	North-west
Scaffolding Sale Or Hire	Waco International Sales Pty Ltd	13 Sleigh Place, Hume,ACT	Address	166.5	North-west
Builder Handyman Contractor Equipment Sale/ Hire	Lo Pilato Bros (Marfel Transport Service)	13 Arnott Street, Hume,ACT	Address	168.2	North-west
Earth Moving &/Or Excavating Contractors	Lo Pilato Bros	13 Arnott Street, Hume,ACT	Address	168.2	North-west
Landscape Gardening Services & Supplies	Lo Pilato Bros	13 Arnott Street, Hume,ACT	Address	168.2	North-west
Sand Soil & Gravel - Producers & W/Salers	Lo Pilato Bros (Marfel Transport Service)	13 Arnott Street, Hume,ACT	Address	168.2	North-west
Sand Soil & Gravel - Retailers	LO Pilato Bros (Marfel Transport Service)	13 Arnott Street, Hume,ACT	Address	168.2	North-west
Transport & Transportation Service	Marfil Transport	13 Arnott Street, Hume,ACT	Address	168.2	North-west
Nursery Supplies	Canberra Nursery Suppliers	12 Arnott Street, Hume,ACT	Address	178.2	North-west
Building Contractors - Renovations Alterations & Extensions	ACT Frames & Roof Trusses	15 Sheppard Street, Hume,ACT	Address	184.2	North-west
Cabinetry Makers	A.B.I.S. Joinery	15 Sheppard Street, Hume,ACT	Address	184.2	North-west
Door & Gate Fittings & Hardware	Abis Joinery	15 Sheppard Street, Hume,ACT	Address	184.2	North-west
Joinery Services	A.B.I.S. Joinery	15 Sheppard Street, Hume,ACT	Address	184.2	North-west
Roof Construction Specialists	ACT Frames & Roof Trusses	15 Sheppard Street, Hume,ACT	Address	184.2	North-west
Furniture Storage & Removals	A C T Holbrook Removals	10 Sleigh Place, Hume Act,NSW	Address	186.7	North-west

2005 Historical Business Data

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Fencing Contractors	Monaro Fencing	21 Esmond Ave JERRABOMBERRA,NSW,2619	Address	72.0	East
Kitchens Renovations & Equipment- New	A.C.T. Advanced Joinery	2/8 Arnott Pl,HUME,ACT,2620	Address	77.2	North-west
Shop & Office Fitting Design & Fit-Outs	National Fixing Pty Ltd	5&6/2 Arnott Pl,HUME,ACT,2620	Address	77.2	North-west
Wedding Services	Metal Market The	16 Arnott St,HUME,ACT,2620	Address	90.4	North-west
Piano Tuning & Repairs	Acoustic Piano Service	38 Firethorn Pl, JERRABOMBERRA,NSW,2619	Address	92.7	East
Concrete - Form Ties Formwork & Accessories	Pacific Formwork (Aust) Pty Ltd	10 Johns Pl,HUME,ACT,2620	Address	101.9	North-west
Transit Centre	Pacific Formwork Pty Ltd	10 Johns Pl,HUME,ACT,2620	Address	101.9	North-west
Envelope M/Factrs &/Or W/Salers	Australia Envelopes	Unit 2 15 Arnott St,HUME,ACT,2620	Address	105.4	North-west
Door & Gate Fittings & Hardware	Modernfold (Australia)	27 Raws St,HUME,ACT,2620	Address	116.9	North-west
Building Contractors - General	Apa Homes Pty Ltd	25 Firethorn Pl, JERRABOMBERRA,NSW,2619	Address	133.1	East
Earth Moving &/Or Excavating Contractors	B J Excavations	12 Darmody Pl, JERRABOMBERRA,NSW,2619	Address	137.4	East
Foundation Garments & Accessories - Retailers & Repairers	Garden World	14 Arnott St,HUME,ACT,2620	Address	163.6	North-west
Graphite Supplies	A.C.T. Mulch Supplies	14 Arnott St,HUME,ACT,2620	Address	163.6	North-west
Builder Handyman Contractor Equipment Sale/ Hire	Lo Pilato Bros (Marfel Transport Service)	13 Arnott St,HUME,ACT,2620	Address	168.2	North-west
Postage Meters & Franking Machines Sales Service & Repairs	Lo Pilato Bros	13 Arnott St,HUME,ACT,2620	Address	168.2	North-west
Architect	Hunter Architects	3/ 13 Sleigh Pl,HUME,ACT,2620	Address	170.1	North-west
Office & Business Supplies	Unique Dimensions	2/ 13 Sleigh Pl,HUME,ACT,2620	Address	170.1	North-west
Sports Cards & Collectables	Unique Sports Memorabilia	2/ 13 Sleigh Pl,HUME,ACT,2620	Address	170.1	North-west
Wedding Services	Visy Recycling, Hume	11 Sleigh Pl,HUME,ACT,2620	Address	175.0	North-west
Building Contractors - General	Smart Housing Company Pty Ltd, Jerrabomberra	37 Waterfall Drv, JERRABOMBERRA,NSW,2619	Address	183.1	East
Building Contractors - Renovations Alterations & Extensions	Smart Housing Company Pty Ltd	37 Waterfall Drv, JERRABOMBERRA,NSW,2619	Address	183.1	East
Roof Construction Specialists	ACT Frames and Roof Trusses	15 Sheppard St,HUME,ACT,2620	Address	184.2	North-west
Roof Truss & Wall Frame Construction	ACT Frames & Roof Trusses	15 Sheppard St,HUME,ACT,2620	Address	184.2	North-west
Shop & Office Fitting Design & Fit-Outs	A.B.I.S. Joinery Pty Ltd	15 Sheppard St,HUME,ACT,2620	Address	184.2	North-west
Air Conditioning - Industrial & Commercial	Veetemp Heating & Air Conditioning	8 Johns Pl,HUME,ACT,2620	Address	193.3	North-west

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Air Conditioning - Installations/Repairs	A Balance Heating And Air Conditioning	8 Johns Pl,HUME,ACT,2620	Address	193.3	North-west
Electrical Power Line Construction & Fittings	Budget Bobcat	8 Johns Pl,HUME,ACT,2620	Address	193.3	North-west
Furniture Storage & Removals	AMG - Holbrook Removals	10 Sleigh Pl,HUME,ACT,2620	Address	194.7	North-west
Furniture Storage & Removals	Store Ezy	10 Sleigh Pl,HUME,ACT,2620	Address	194.7	North-west
Storage - General Facilities & Service	ACT Holbrook Removals	10 Sleigh Pl,HUME,ACT,2620	Address	194.7	North-west
Storage - General Facilities & Service	Store-Ezy Self Storage	10 Sleigh Pl,HUME,ACT,2620	Address	194.7	North-west
Building Design & Drafting Services	Designs By Mahony	26 Halloran Drv, JERRABOMBERRA,NSW,2619	Address	195.8	East
Train Services	Mahony Design & Drafting	26 Halloran Drv,JERRABOMBERRA,NSW,2619	Address	195.8	East
Fruit & Vegetable W/Salers	Alpha Quality Carton Meats	16-18 Raws Crs,HUME,ACT,2620	Address	196.3	North-west
Fruit & Vegetable W/Salers	John Iannelli Fresh Produce	16-18 Raws Crs,HUME,ACT,2620	Address	196.3	North-west
Hotel Restaurant & Club Supplies	Alpha Carton Meats (Canberra)	16-18 Raws Crs,HUME,ACT,2620	Address	196.3	North-west
Carriers - Heavy Industrial Transportation	Griffrez Refrigerated Transport Pty Ltd	11 Arnott St,HUME,ACT,2620	Address	198.8	North-west
Ice Supplies	ACT Pure Ice	11 Arnott St,HUME,ACT,2620	Address	198.8	North-west
Ice Supplies	Actice Supplies	11 Arnott St,HUME,ACT,2620	Address	198.8	North-west
Ice Supplies	Solo Ice Works	11 Arnott St,HUME,ACT,2620	Address	198.8	North-west
Building Contractors - General	T.G. Toth Constructions	53 Waterfall Drv, JERRABOMBERRA,NSW,2619	Address	199.1	East
Building Contractors - General	User Friendly Building, New Homes, Extensions & Bathrooms	53 Waterfall Drv, JERRABOMBERRA,NSW,2619	Address	199.1	East
Home Repairs & Maintenance	User Friendly Building & Maintenance Services	53 Waterfall Drv, JERRABOMBERRA,NSW,2619	Address	199.1	East
Building Contractors - General	Fgc Developments Pty Ltd	Firethorn Pl, JERRABOMBERRA,NSW,2619	Street		East
Graziers	Moses R L, Nullamanna	Tralee, NULLAMANNA,NSW,2360	Street		Onsite
Nurseries - Retail	Tay's Trees	Firethorn Pl, JERRABOMBERRA,NSW,2619	Street		East

2010 Historical Business Data

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Carpenters Joiners & Fitters	Dj Joinery	21 Mariners Crt CANBERRA 2600 ACT	Address	0.0	Onsite
Balustrades Timber & Metal	H D M Metal Pty Ltd	U1/ 16 Arnott St HUME 2620 ACT	Address	90.4	North-west
Crane & Travel Tower Hire Or Servicing	Pacific Formwork	10 Johns Pl HUME 2620 ACT	Address	101.9	North-west

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Paper & Plastic Container M/Facrs & Supplies	Australia Envelopes	Unit 2 15 Arnott St HUME 2620 ACT	Address	105.4	North-west
Transport & Transportation Service	Hills Transport Canberra	15 Arnott St HUME 2620 ACT	Address	105.4	North-west
Cleaning - Chemical Steam Pressure Contractors	Sodablast	Unit 7 23 Raws Cres HUME 2620 ACT	Address	106.5	North-west
Furniture Designers - Made To Order	Pyewood Pine	Unit 4/ 23 Raws Crs HUME 2620 ACT	Address	106.5	North-west
Garden & Gardening Supplies	Table Garden Pty Ltd	U6/ 23 Raws Crs HUME 2620 ACT	Address	106.5	North-west
Kitchens Renovations & Equipment- New	Re-Create Kitchens & Bathrooms	Unit 5 23 Raws Cres HUME 2620 ACT	Address	106.5	North-west
Door & Gate Equipment - Automatic	Modernfold (Australia)	27 Raws St HUME 2620 ACT	Address	116.9	North-west
Earth Moving &/Or Excavating Contractors	B J Excavations	12 Darmody Pl JERRABOMBERRA 2619 NSW	Address	137.4	East
Earth Moving &/Or Excavating Contractors	B J Excavations	12 Darmody Pl JERRABOMBERRA 2619 NSW	Address	137.4	East
Drainers & Drainage Services	Medi Drain Act	475 Firethorn Pl JERRABOMBERRA 2619 NSW	Address	164.3	East
Drainers & Drainage Services	Medi Drain Act	475 Firethorn Pl JERRABOMBERRA 2619 NSW	Address	164.3	East
Builder Handyman Contractor Equipment Sale/ Hire	Lo Pilato Bros (Marfel Transport Service)	13 Arnott St HUME 2620 ACT	Address	168.2	North-west
Earth Moving &/Or Excavating Contractors	Marfel Transport	13 Arnott St HUME 2620 ACT	Address	168.2	North-west
Recyclers	Visy Recycling	11 Sleigh Pl HUME 2620 ACT	Address	175.0	North-west
Builder Handyman Contractor Equipment Sale/ Hire	Coates	47 Alderson Pl HUME 2620 ACT	Address	176.1	North-west
Builder Handyman Contractor Equipment Sale/ Hire	Force Access	47 Alderson Pl HUME 2620 ACT	Address	176.1	North-west
Bus & Truck Repairs	Capital Truck & Track	47 Alderson Pl HUME 2620 ACT	Address	176.1	North-west
Carriers - Heavy Industrial Transportation	Capital City Heavy Haulage	47 Alderson Pl HUME 2620 ACT	Address	176.1	North-west
Cold Storage - Refrigeration	Royal Wolf Refrigerated Containers	47 Alderson Pl HUME 2620 ACT	Address	176.1	North-west
Engineers - Motor & Repairers	Hume Mechanical Repairs Pty Ltd	47 Alderson Pl HUME 2620 ACT	Address	176.1	North-west
Landscape Gardening Services & Supplies	Garden World	12-14 Arnott St HUME 2620 ACT	Address	178.2	North-west
Swimming Pool - Construction & Installation	Anyday Hire Service	12-14 Arnott St HUME 2620 ACT	Address	178.2	North-west
Bus & Truck Repairs	Truck Art	Unit 4A- 15 Sheppard St HUME 2620 ACT	Address	184.2	North-west
Door & Gate Equipment - Automatic	Capital Doorworks	Unit 2A/ 15 Sheppard St HUME 2620 ACT	Address	184.2	North-west
Engineers - Motor & Repairers	Autotech Services (Act)	Unit 1A 15 Sheppard St HUME 2620 ACT	Address	184.2	North-west
Glass Merchants & Installation Service Glaziers	Dominy & Fletcher	Unit 5A 15 Sheppard St HUME 2620 ACT	Address	184.2	North-west
Kitchens Renovations & Equipment- New	Act Board Cutting Services Pty Ltd	Unit 1B/ 15 Sheppard St HUME 2620 ACT	Address	184.2	North-west

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Roof Construction Specialists	Act Frames And Roof Trusses	15 Sheppard St HUME 2620 ACT	Address	184.2	North-west
Roof Truss & Wall Frame Construction	Statewide Frames & Trusses	U5A/ 15 Sheppard St HUME 2620 ACT	Address	184.2	North-west
Shop & Office Fitting Design & Fit-Outs	Abis Joinery Pty Ltd	Unit 1B 15 Sheppard St HUME 2620 ACT	Address	184.2	North-west
Welding	Beeshaw Welding	Unit 3 15 Sheppard St HUME 2620 ACT	Address	184.2	North-west
Kitchens Renovations & Equipment- New	Leading Edge Benchtops	13B Sleigh Pl HUME 2620 ACT	Address	187.6	North-west
Kitchens Renovations & Equipment- New	About Kitchens	8A Johns Pl HUME 2620 ACT	Address	193.3	North-west
Transport & Transportation Service	John Iannelli Refrigerated & General Transport	16-18 Raws Crs HUME 2620 ACT	Address	196.3	North-west
Building - Supplies & Hardware	Onesteel Metalcentre Hume	Johns Pl HUME 2620 ACT	Street		North-west
Landscape Gardening Services & Supplies	Canberra Sand And Gravel	Johns Pl HUME 2620 ACT	Street		North-west
Nurseries - Retail	Sterling's Nursery	Firethorn Pl JERRABOMBERRA 2619 NSW	Street		East
Steel Merchant	Onesteel Metalcentre Canberra	Johns Pl HUME 2620 ACT	Street		North-west

2015 Historical Business Data

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Furniture Designers - Made To Order	Pyewood Pine	Unit 4/23 Raws Crs, Hume,ACT,2620	Address	53.0	North-west
Kitchens Renovations & Equipment- New	Re-create Kitchens & Bathrooms	5/23 Raws Crs, Hume,ACT,2620	Address	53.0	North-west
Garden & Gardening Supplies	Table Garden Pty Ltd	Unit 6/23 Raws Crs, Hume,ACT,2620	Address	54.8	North-west
Electrical Contractors & Consultants	MAK Electrics	4 Stella Pl, Jerrabomberra,NSW,2619	Address	57.6	East
Gates & Fences	Monaro Fencing	21 Esmond Ave, Jerrabomberra,NSW,2619	Address	71.9	East
Couriers	Dengate Delivery Services Pty Ltd	16 Arnott St,Hume,ACT,2620	Address	84.5	North-west
Builder Handyman Contractor Equipment Sale/ Hire	Acrow Formwork & Scaffolding	15 Sleigh Pl,Hume,ACT,2620	Address	88.7	North-west
Wedding - Video & Dvd Services	SightProduction	2/15 Darmody Pl, Jerrabomberra,NSW,2619	Address	94.4	East
Envelope M/Facrs &/Or W/Salers	Australia Envelopes	Unit 2 15 Arnott St,Hume,ACT,2620	Address	101.2	North-west
Transport & Transportation Service	Hills Transport Canberra	15 Arnott St,Hume,ACT,2620	Address	101.2	North-west
Electrical Contractors & Consultants	Laser Electrical Hume	3/ 23 Raws Crs, Hume,ACT,2620	Address	102.3	North-west
Concrete - Form Ties Formwork & Accessories	Boral Formwork & Scaffolding	15 Sleigh Pl,Hume,ACT,2620	Address	108.0	North-west
Scaffolding Sale Or Hire	Cyclone Scaffolding Pty Ltd	15 Sleigh Pl,Hume,ACT,2620	Address	108.0	North-west
Windows - Aluminium & Metallic	System Windows	15 Sleigh Pl,Hume,ACT,2620	Address	108.0	North-west
Concrete - Form Ties Formwork & Accessories	Pacific Formwork Australia	10 Johns Pl,Hume,ACT,2620	Address	111.2	North-west

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Scaffolding Sale Or Hire	Pacific Formwork	10 Johns Pl,Hume,ACT,2620	Address	111.2	North-west
Door & Gate Fittings & Hardware	Modernfold (Australia)	27 Raws St,Hume,ACT,2620	Address	116.9	North-west
Carriers - Light Transportation	Hills ParcelDirect	15 Arnott St,Hume,ACT,2620	Address	126.4	North-west
Concrete - Contractors & Paving Specialists	Sapphire Concreting	10 Darmody Pl, Jerrabomberra,ACT,2619	Address	134.6	East
Earth Moving &/Or Excavating Contractors	B J Excavations	12 Darmody Pl, Jerrabomberra,ACT,2619	Address	136.9	East
Telecommunication Consultants	Canberra Communications Solutions Pty Ltd	12 Arnott St,Hume,ACT,2620	Address	144.8	North-west
Bus & Truck Repairs	Truck Art	Unit 4A- 15 Sheppard St, Hume,ACT,2620	Address	144.8	North-west
Joinery Services	Affinity Kitchens & Joinery	2/ 15 Sheppard St, Hume,ACT,2620	Address	144.8	North-west
Furniture Storage & Removals	Grace Removals Group	54 Sawmill Cct, Canberra,ACT,2600	Address	145.1	North-west
Car & Truck Body Trimmers	Hume Smash Repairs	4A 15 Sheppard St,Hume,ACT,2620	Address	146.5	North-west
Relocation Services & Consultants	Relocation Rules	Unit 4a 15 Sheppard St,Hume,ACT,2620	Address	146.5	North-west
Petrol Stations & Garages	Woolworths Petrol	10 Limestone Dr, Jerrabomberra,NSW,2619	Address	148.9	East
Engineers - Motor & Repairers	Autotech Services (ACT)	U 1A/ 15 Sheppard St,Hume,ACT,2620	Address	149.5	North-west
Builder Handyman Contractor Equipment Sale/ Hire	Lo Pilato Bros (Marfel Transport Service)	13 Arnott St,Hume,ACT,2620	Address	157.1	North-west
Carriers - Heavy Industrial Transportation	Lo Pilato Bros.	13 Arnott St,Hume,ACT,2620	Address	157.1	North-west
Transport & Transportation Service	Marfel Transport	13 Arnott St,Hume,ACT,2620	Address	157.1	North-west
Builder Handyman Contractor Equipment Sale/ Hire	Coates	47 Alderson Pl,Hume,ACT,2620	Address	161.2	North-west
Builder Handyman Contractor Equipment Sale/ Hire	Force Access	47 Alderson Pl,Hume,ACT,2620	Address	161.2	North-west
Buildings - Relocatable/Transportable -Commercial	Royal Wolf	47 Alderson Pl,Hume,ACT,2620	Address	161.2	North-west
Engineers - Diesel Repair Specialist	Capital Truck & Track	47 Alderson Pl,Hume,ACT,2620	Address	161.2	North-west
Recyclers	Visy Recycling	11 Sleigh Pl,Hume,ACT,2620	Address	175.0	North-west
Petrol Stations & Garages	Caltex Woolworths	10 Limestone Drv, Jerrabomberra,NSW,2619	Address	175.3	East
Concrete - Reinforcing Products	OneSteel Reinforcing	17 Sheppard St, Hume,ACT,2620	Address	177.9	North-west
Scrap Metal Merchants	All Types Of Scrap Metal	47 Alderson Pl, Canberra,ACT,2600	Address	191.7	North-west
Doctors & Medical Practitioners	Leung Jennifer	Unit 11/2 Limestone Drv, Jerrabomberra,ACT,2619	Address	192.6	East
Transport & Transportation Service	Griffreez Refrigerated Transport Pty Ltd	11 Arnott St,Hume,ACT,2620	Address	194.5	North-west
Airport Shuttle Transit Services	City Car Limousines	Jerrabomberra,ACT,2619	Suburb		East
Alternative Health Service Providers	Daws Stephen	Jerrabomberra,ACT,2619	Suburb		East

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Audio-Visual Equipment Sales Hire Or Service	Hillcrest Audio visual	Jerrabomberra,ACT,2619	Suburb		East
Batteries - Automotive & Marine	Battery World	Jerrabomberra,ACT,2619	Suburb		East
Brokers - Business Consultancy	destinyinyourhands.com	Jerrabomberra,NSW,2619	Suburb		East
Builder Handyman Contractor Equipment Sale/ Hire	Rent A Fence	Jerrabomberra,NSW,2619	Suburb		East
Builder Handyman Contractor Equipment Sale/ Hire	TFH Hire Services	Jerrabomberra,NSW,2619	Suburb		East
Building Contractors - General	Brumec Building Services	Jerrabomberra,NSW,2619	Suburb		East
Building Contractors - General	Exceptional Constructions Pty Ltd	Jerrabomberra,NSW,2619	Suburb		East
Building Contractors - General	Jarrad's Brick & Block Laying	Jerrabomberra,NSW,2619	Suburb		East
Building Contractors - General	JC Developments	Jerrabomberra,NSW,2619	Suburb		East
Building Contractors - General	Pichelmann Construction	Jerrabomberra,NSW,2619	Suburb		East
Building Contractors - General	Timbre Homes	Jerrabomberra,NSW,2619	Suburb		East
Carpenters Joiners & Fitters	Qualified Carpenters & Joiners	Jerrabomberra,NSW,2619	Suburb		East
Carpet Furniture & Upholstery Cleaning	Drymaster Carpet Cleaning	Jerrabomberra,NSW,2619	Suburb		East
Carpet Furniture & Upholstery Cleaning	Electrodry Carpet Dry Cleaning	Jerrabomberra,NSW,2619	Suburb		East
Cleaning - Industrial/Commercial Contractors	SKG Pty Ltd	Jerrabomberra,ACT,2619	Suburb		East
Cleaning Services - Domestic	Forward Cleaning Services	Jerrabomberra,NSW,2619	Suburb		East
Clothes Lines Portable & Rotary	Samuel Mahler	Jerrabomberra,ACT,2619	Suburb		East
Computer Equipment - Hardware Home Office	Alex Garnock	Jerrabomberra,ACT,2619	Suburb		East
Computer Equipment - Repairs Upgrades & Service	Geeks2U	Jerrabomberra,ACT,2619	Suburb		East
Concrete - Contractors & Paving Specialists	BM Concreting	Jerrabomberra,NSW,2619	Suburb		East
Concrete - Contractors & Paving Specialists	Capital Bobcat & Concreting	Jerrabomberra,ACT,2619	Suburb		East
Concrete - Contractors & Paving Specialists	Renew Concrete	Jerrabomberra,NSW,2619	Suburb		East
Concrete - Gutters & Kerbs	Bluey's Kwik Kerb	Jerrabomberra,ACT,2619	Suburb		East
Dishwashing Machines Servicing & Parts	Fisher & Paykel	Jerrabomberra,ACT,2619	Suburb		East
Dog & Cat Grooming	Aussie Pooch Mobile Dog Wash / Grooming	Jerrabomberra,NSW,2619	Suburb		East
Driving Schools	Canberra Region Truck & Bus School	Jerrabomberra,NSW,2619	Suburb		East
Earth Moving &/Or Excavating Contractors	Pyramid Drains Pty Ltd	Jerrabomberra,NSW,2619	Suburb		East
Earth Moving &/Or Excavating Contractors	Rubble Bobcat Services	Jerrabomberra,NSW,2619	Suburb		East

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Electrical Contractors & Consultants	ALLTYPE	Jerrabomberra,ACT,2619	Suburb		East
Engineers - Motor & Repairers	Lube Mobile - The Mobile Mechanics	Jerrabomberra,ACT,2619	Suburb		East
Entertainers Musicians & Agents	Melissa Gaye Entertainment	Jerrabomberra,NSW,2619	Suburb		East
Fashion Jewellery & Accessories - Importers & W/Salers	De Beads Online Bead Shop	Jerrabomberra,ACT,2619	Suburb		East
Fencing Contractors	Dunn & Farrugia Pty Ltd	Jerrabomberra,NSW,2619	Suburb		East
Fencing Contractors	Rent A Fence Canberra	Jerrabomberra,NSW,2619	Suburb		East
Gardening Services	High Country Landscapes	Jerrabomberra,NSW,2619	Suburb		East
Glass Merchants & Installation Service Glaziers	Aussie Emergency Glass	Jerrabomberra,NSW,2619	Suburb		East
Glass Merchants & Installation Service Glaziers	Axis Glass & Glazing	Jerrabomberra,ACT,2619	Suburb		East
Glass Merchants & Installation Service Glaziers	Greenleigh Contractors	Jerrabomberra,NSW,2619	Suburb		East
Glass Merchants & Installation Service Glaziers	O'Brien	Jerrabomberra,NSW,2619	Suburb		East
Glass Merchants & Installation Service Glaziers	TGA	Jerrabomberra,ACT,2619	Suburb		East
Hardware - Retailers	Erns Smith Mitre 10	Jerrabomberra,ACT,2619	Suburb		East
Home Improvement & Renovation Services	Danny's Handyman & Maintenance Service	Jerrabomberra,ACT,2619	Suburb		East
Home Repairs & Maintenance	Shee Property Maintenance & Fire Services	Jerrabomberra,NSW,2619	Suburb		East
Hot Water Systems Sales Installation & Repairs	Duncan's Plumbing Service	Jerrabomberra,NSW,2619	Suburb		East
Hot Water Systems Sales Installation & Repairs	Solahart	Jerrabomberra,ACT,2619	Suburb		East
Hot Water Systems Sales Installation & Repairs	The Hot Water Doctor	Jerrabomberra,ACT,2619	Suburb		East
Insurance - Fire Marine Casualty/Accident & General	Budget Direct Insurance	Jerrabomberra,NSW,2619	Suburb		East
Joinery Services	ACT Board Cutting Services Pty Ltd	Jerrabomberra,ACT,2619	Suburb		East
Landscape Design & Consultants	Capital Country Stonework	Jerrabomberra,ACT,2619	Suburb		East
Lawn Cutting & Garden Maintenance	Jim's Mowing	Jerrabomberra,NSW,2619	Suburb		East
Lawn Cutting & Garden Maintenance	Jim's Mowing (Jerrabomberra North)	Jerrabomberra,ACT,2619	Suburb		East
Legal Costing & Support Services	Authority Brief	Jerrabomberra,NSW,2619	Suburb		East
Martial Arts & Self Defence Schools & Supplies	Budoshinkai Karate Jitsu	Firethorn Pl,Jerrabomberra,NSW,2619	Street		East
Martial Arts & Self Defence Schools & Supplies	Impact Martial Arts	Jerrabomberra,ACT,2619	Suburb		East
Millinery Retailers	Viktoria Novak Design	Jerrabomberra,NSW,2619	Suburb		East
Musician Hire & Musicians' Agents	Sly Dogs	Jerrabomberra,NSW,2619	Suburb		East
Pest Control Services	Rentokil	Jerrabomberra,NSW,2619	Suburb		East

Activity	Name	Address	Positional accuracy	Distance (m)	Direction
Pet Shops & Accessories	2 Easy	Jerrabomberra,NSW,2619	Suburb		East
Plumbers & Gasfitters	Garry Blewitt Plumbing	Jerrabomberra,NSW,2619	Suburb		East
Plumbers & Gasfitters	National Plumbing Service Pty Ltd	Jerrabomberra,ACT,2619	Suburb		East
Plumbers & Gasfitters	Woden Valley Plumbing & Gasfitting	Jerrabomberra,ACT,2619	Suburb		East
Roof Repairs & Roof Cleaning & Maintenance	Look Up Roof Restorations	Jerrabomberra,NSW,2619	Suburb		East
Security & Alarm Systems & Consultants	Convac Services Ducted Vacuum Systems	Jerrabomberra,NSW,2619	Suburb		East
Signwriters	Aussie Printing Stickers & Signs	Jerrabomberra,NSW,2619	Suburb		East
Solar Energy Equipment & Machinery	Rheem	Jerrabomberra,NSW,2619	Suburb		East
Stone Masons Stonework & Masonry	Mals Rock Works	Jerrabomberra,NSW,2619	Suburb		East
Television Antennas Retail & Installation	Allsat	Jerrabomberra,NSW,2619	Suburb		East
Television Antennas Retail & Installation	JA & MA Cabling Pty Ltd	Jerrabomberra,NSW,2619	Suburb		East
Tilers - Wall & Floor	Jerry Maatouk Ceramic Tiler	Jerrabomberra,ACT,2619	Suburb		East
Washing Machines & Dryers - Service Parts & Repairs	ACT Majestic Services	Jerrabomberra,NSW,2619	Suburb		East
Windows - Aluminium & Metallic	ACT Window Installations	Jerrabomberra,NSW,2619	Suburb		East
Windscreens New & Repairs	O'Brien	Jerrabomberra,ACT,2619	Suburb		East

Land Insight uses a number of address geocoding techniques and characterised them according to the following criteria: completeness (match rates) and positional accuracy. When a historical street address does not contain complete details or a match is not found, a record identified as being in the surrounding area will be included for reference and the accuracy of the data is approximate only. The positional accuracy of the records is listed below:

Historical data positional accuracy and georeferencing results explanation		
Positional accuracy	Georeferenced	Description
Address	Located to the address level	<i>When street address and names fully match.</i>
Street	Located to the street centroid	<i>When street names match but no exact address was found. Location is approximate.</i>
Place	Located to the structure, building or complex	<i>When building, residential complex or structure name match but no exact address was found. Location is approximate.</i>
Suburb	Located to the suburb area	<i>When suburb name match but no exact address was found. Location is approximate.</i>

The data used in this section was extracted from range of historical commercial trade directories and historical business listing information. The business addresses were geocoded using historical information and cannot be relied upon as some of the addresses no longer exist. From 2005, the historical business records in this section are considered more accurate as information was extracted from digital directories with geographic coordinate location information available. For more information on how these records were geocoded and the methodology used by Land Insight, contact us at info@landinsight.co.

Historical Industries or business activities deemed to be of negligible or lesser risk are not reported. Please note that any record not identified within this section (due to error or unforeseen omission) does not necessarily mean that the screened area is not potentially contaminated or free of any risks.



Section 5 Natural Hazards



5.1 Natural Hazards

Map 5.1 (500m Buffer)

Erosion Risk

Category	On the Property?	Within Buffer?
Minor to moderate	Yes	Yes

Fire Hazard

Category	On the Property?	Within Buffer?
Bush Fire Prone Land (BLP)	Buffer Category 1 Category 2	Buffer Category 1 Category 2
Fire History	Wildfire 1951-52 Burnt 1984-85	Wildfire 1951-52 Wildfire 1973-74 Wildfire 1984-85 Burnt 1984-85

Flood Hazard

Category	On the Property?	Within Buffer?
1 percent AEP Flood	-	Yes



Tower Three, Level 24
300 Barangaroo Avenue
Sydney NSW 2000 Australia
02 8067 8870
info@liresources.com.au
www.liresrouces.com.au

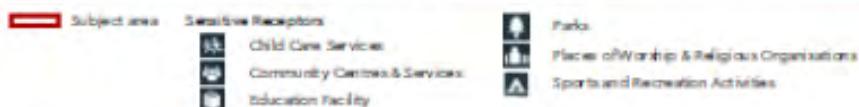
A low-angle, upward-looking shot of a suspension bridge at night. The bridge's steel truss structure and suspension cables are silhouetted against a deep blue twilight sky. In the background, a city skyline is visible, including a prominent skyscraper with some lit windows. The overall mood is dramatic and architectural.

Appendix A

REPORT MAPS

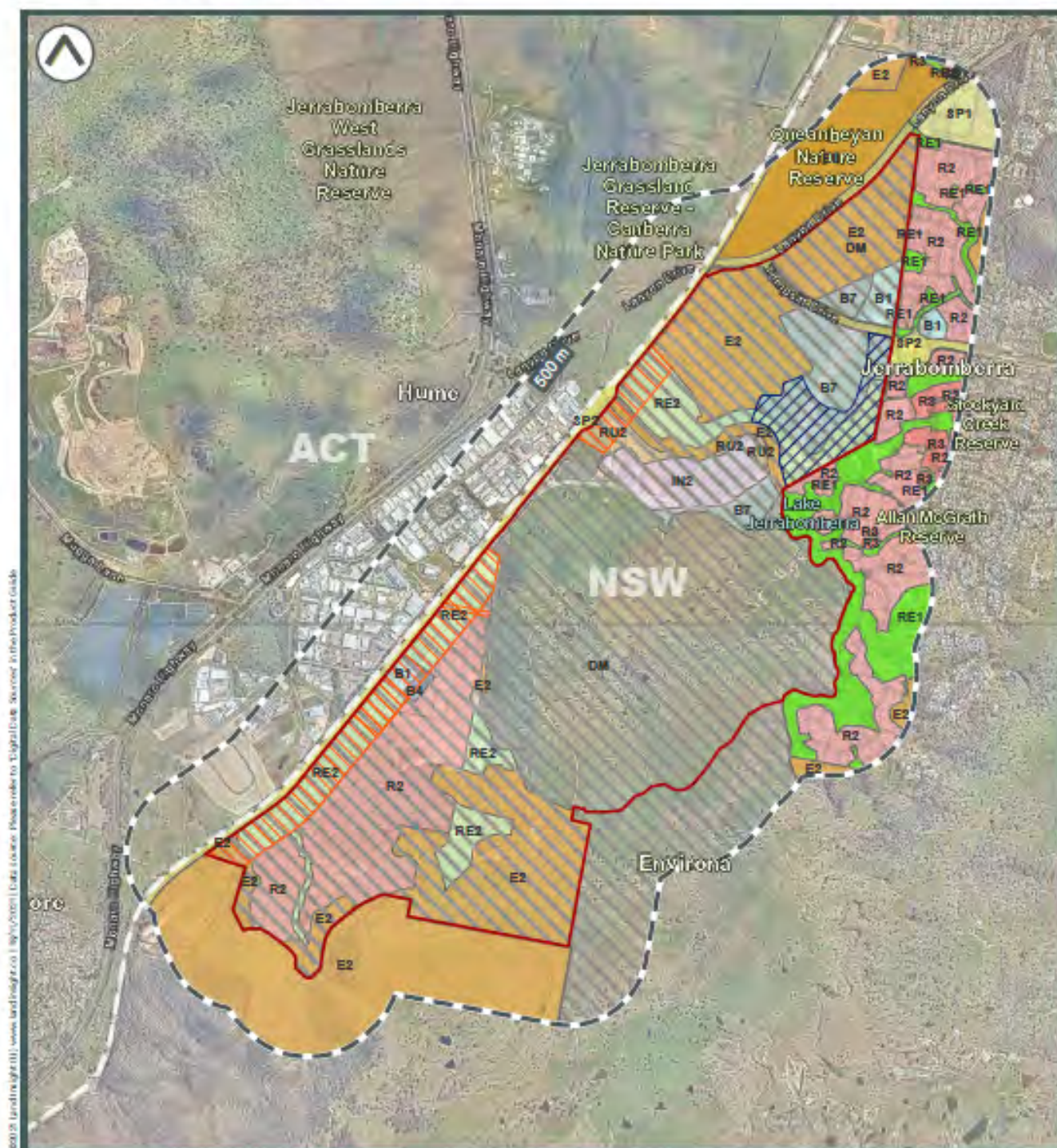


Subject Area and Sensitive Receptors



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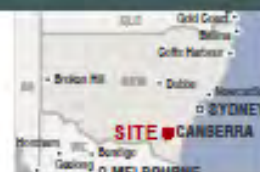


- | | | |
|--------------------------------|---|--|
| Subject area | DM Deferred Matter | RE1 Public Recreation |
| Additional Permitted Land Uses | E1 National Parks and Nature Reserves | RE2 Private Recreation |
| Local Provisions | E2 Environmental Conservation | RU2 Rural Landscape Zone |
| Land Zoning | E4 Environmental Living | SP1 Special Activities |
| B1 Neighbourhood Centre | IN2 Light Industrial | SP2 Special Purposes Zone - Infrastructure |
| B6 Mixed Use | R2 Low Density Residential | |
| B7 Business Park | R3 Medium Density Residential | |

0 400 800 1,200 1,600 2,000 m



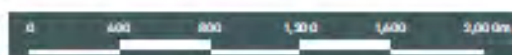
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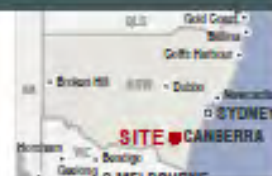


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- | | | |
|-------------------------|-----------------------------------|------------------------------|
| Subject area | Heritage conservation Areas (LEP) | National Heritage List (NHL) |
| State Heritage Register | Commonwealth Heritage List (CHL) | World Heritage Areas (WHA) |

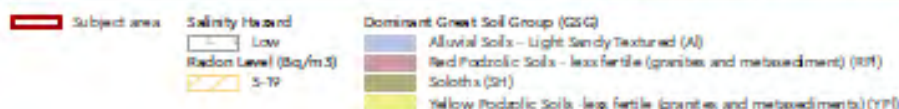
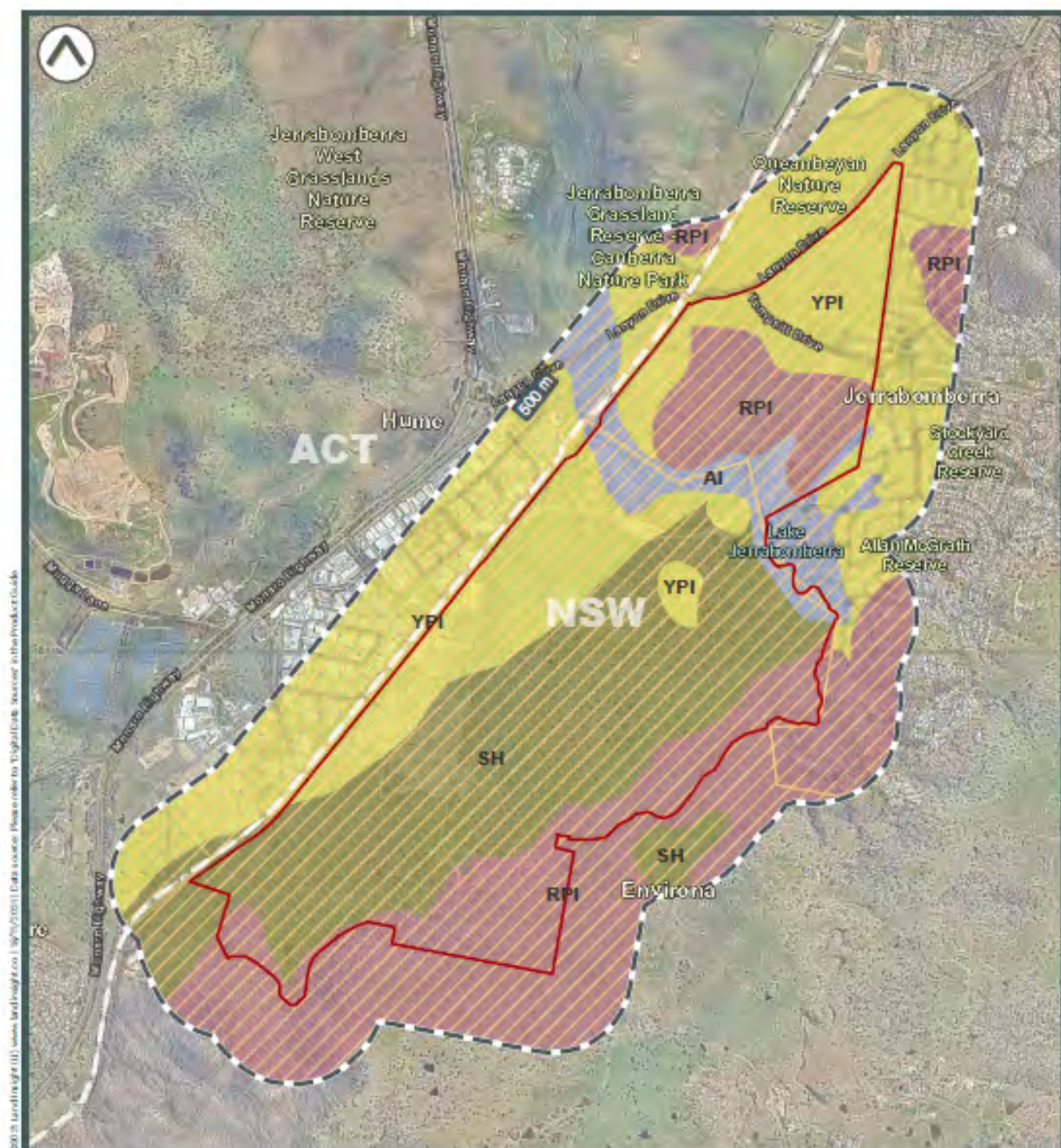


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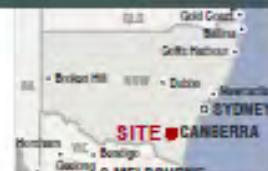




Soil Landscape and Salinity

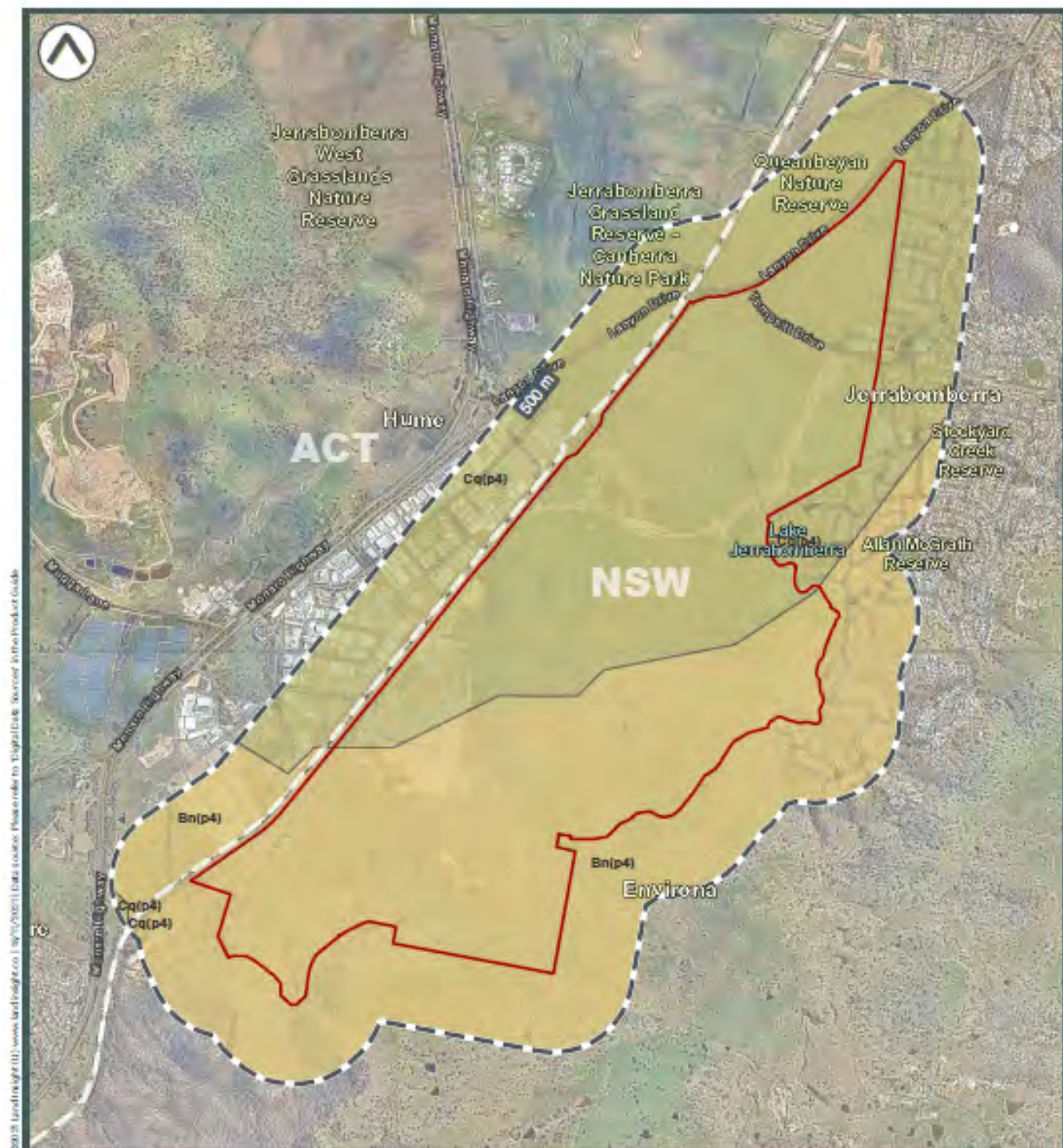


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Acid Sulfate Soils



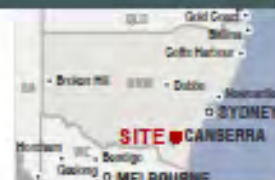
Legend:

- Subject area (Red outline)
- ASRS Atlas of Australian Sulfate Soils
- Bn(p4) | ASS in inland lakes, waterways, wetlands and riparian zones
- Cq(p4) | ASS in inland lakes, waterways, wetlands and riparian zones

Scale: 0 600 800 1,200 1,600 2,000m

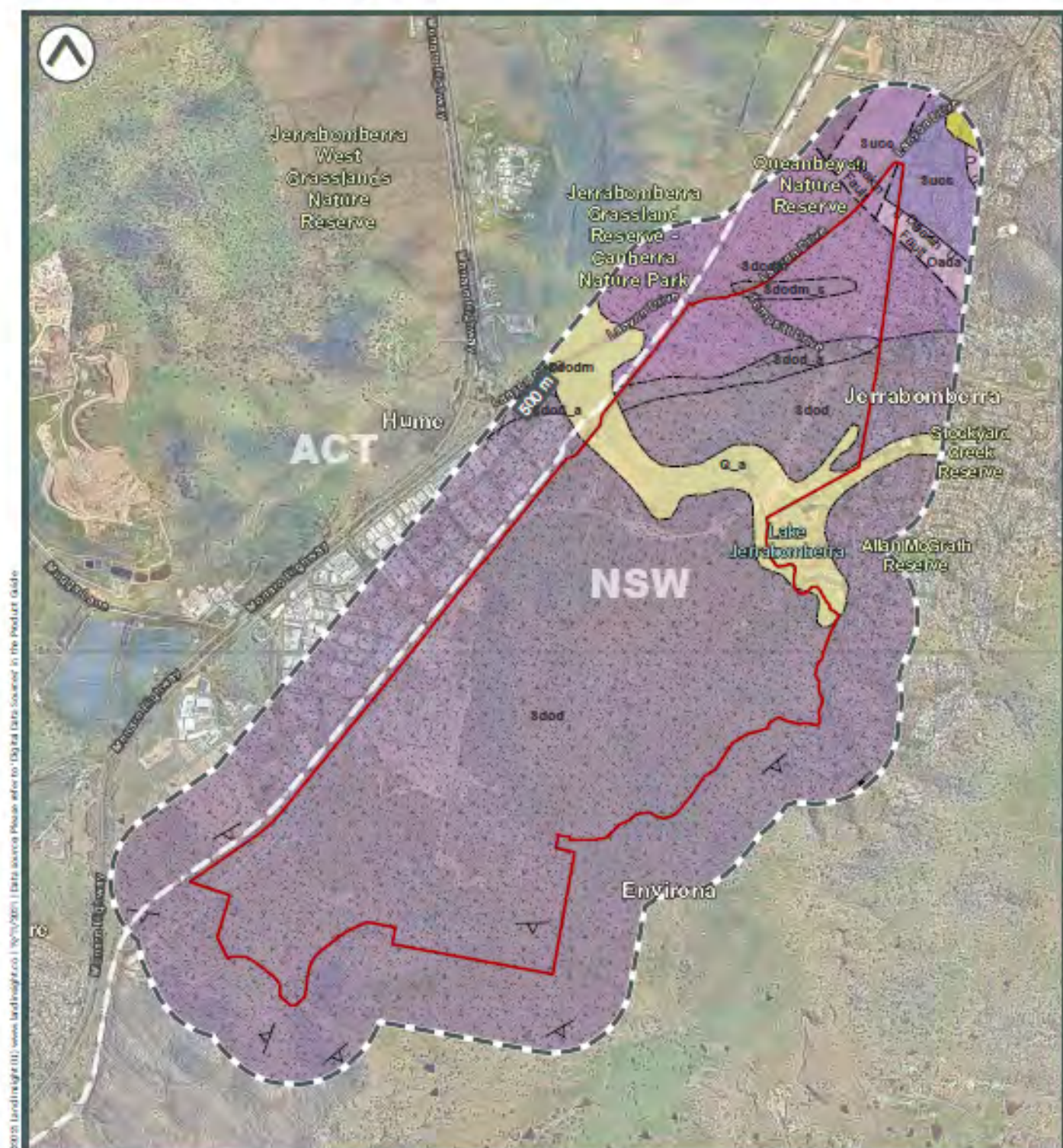


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Geology and Topography



- Subject area
- Topographic contour (m)
- Strike and dip of bedding
- Strike and dip of strata, dip not estimated
- Strike and dip of joint
- Prevailing strike and dip of platy alignment / igneous banding
- Fault, position approximate

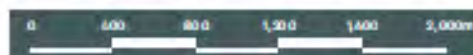
Dominant Lithology

- Ash tuff, lapillstone, and split tuff
- Fine grained igneous rock
- Pyroclastic rock
- Cenozoic Sedimentary Province
- Q_u
- Q_ucif

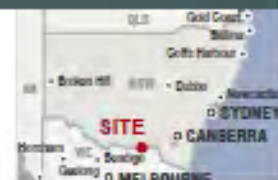
LACHLAN OROGEN

- O_u
- O_uw
- S_ud
- S_ud_u
- S_ud_um
- S_ud_um_u

- S_ud
- S_uc
- S_uc
- S_uc

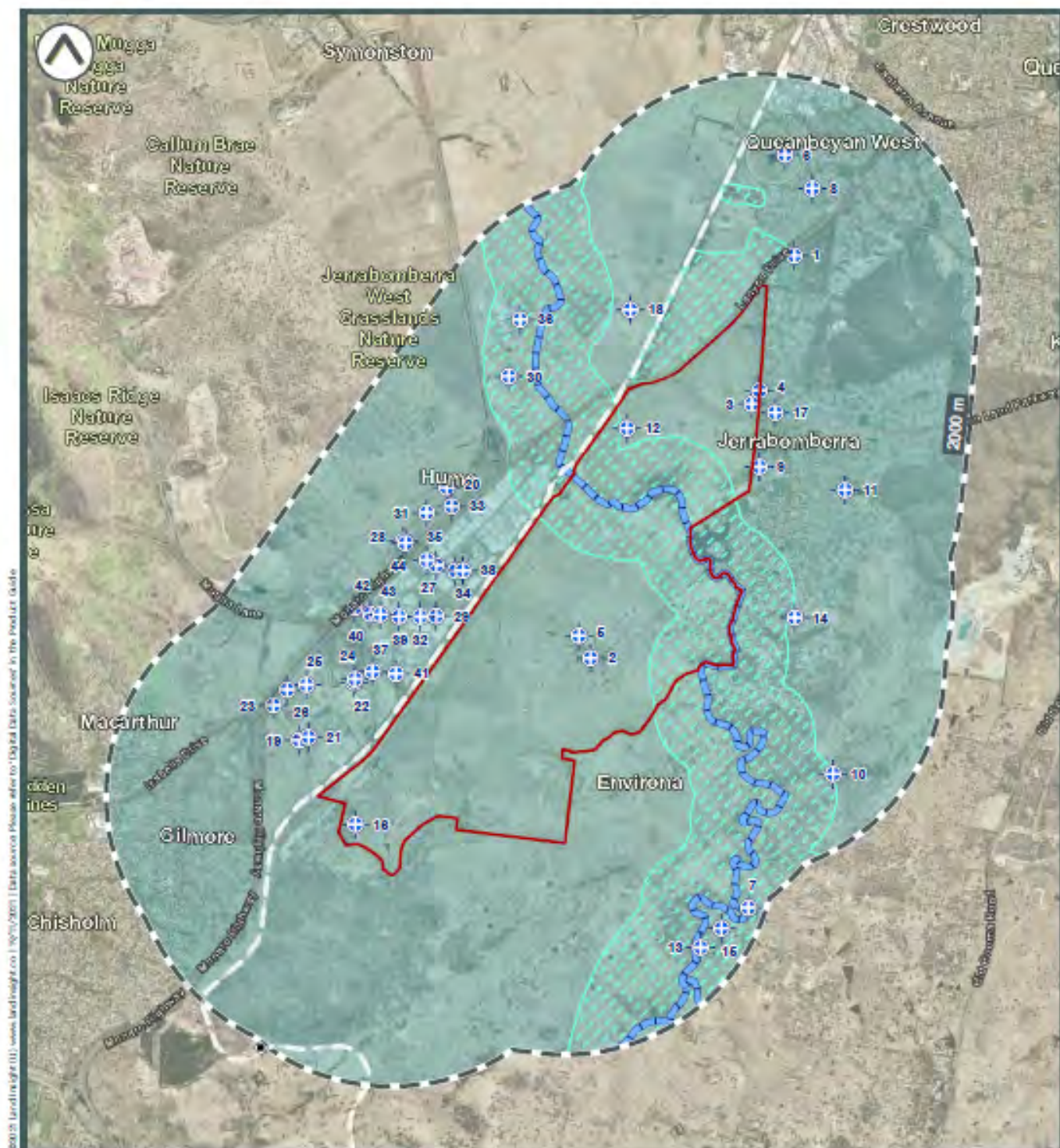


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Hydrogeology and Groundwater Boreholes

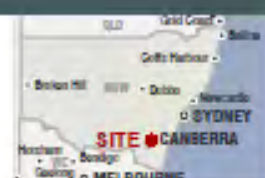


- Subject area
- Groundwater bores
- Protected Riparian Corridor
- UPSES Environmentally Sensitive Zone
- Aquifer type
- Fractured or faulted, extensive aquifers of low to moderate productivity

0 400 800 1,200 1,600 2,000 m

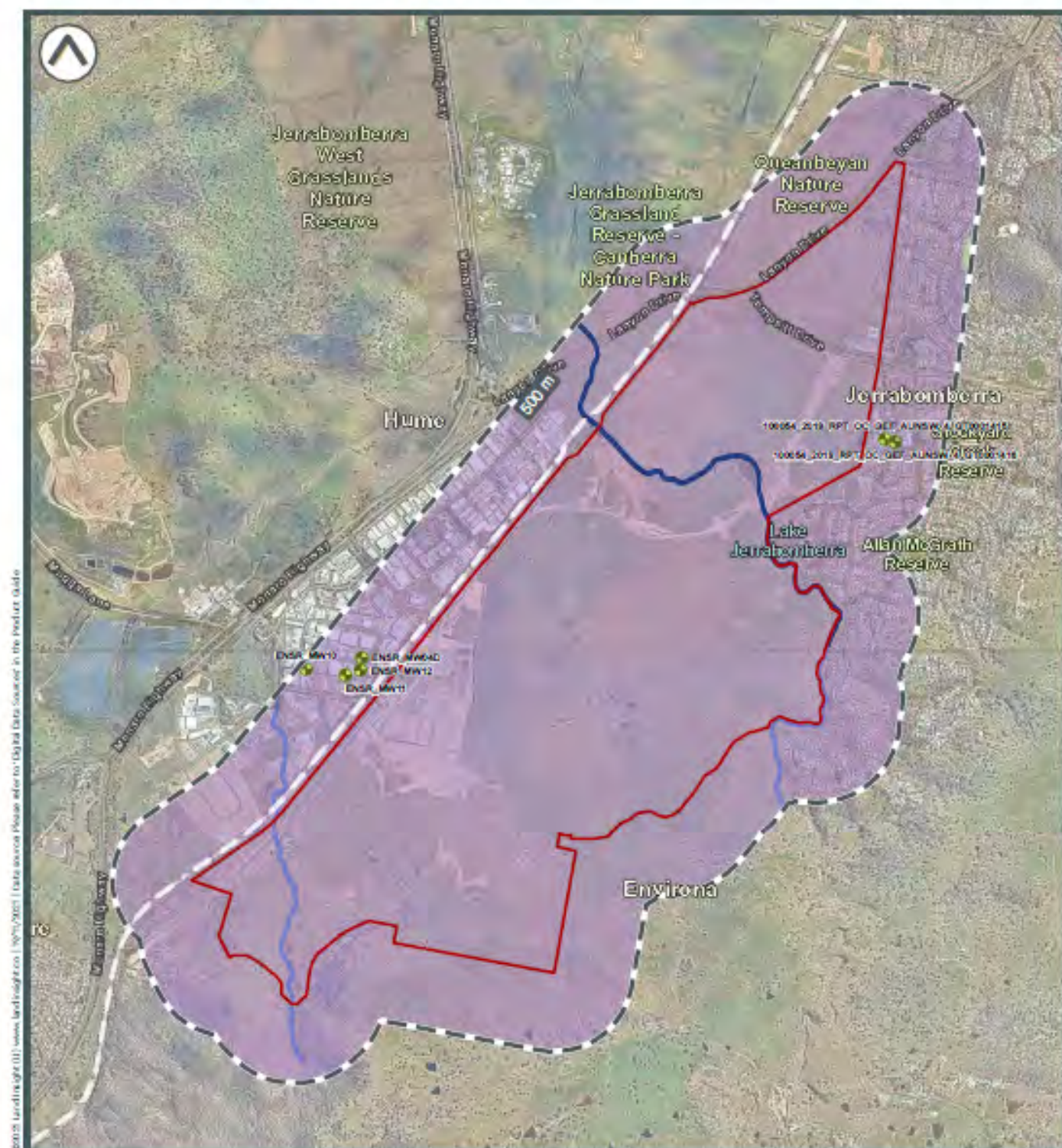


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Hydrogeology and Other Boreholes



Subject area

Other borehole/monitoring well location

Ecosystems that rely on the Surface expression of Groundwater

High potential GDE – from national assessment

Moderate potential GDE – from national assessment

Ecosystems that rely on Subsurface presence of Groundwater

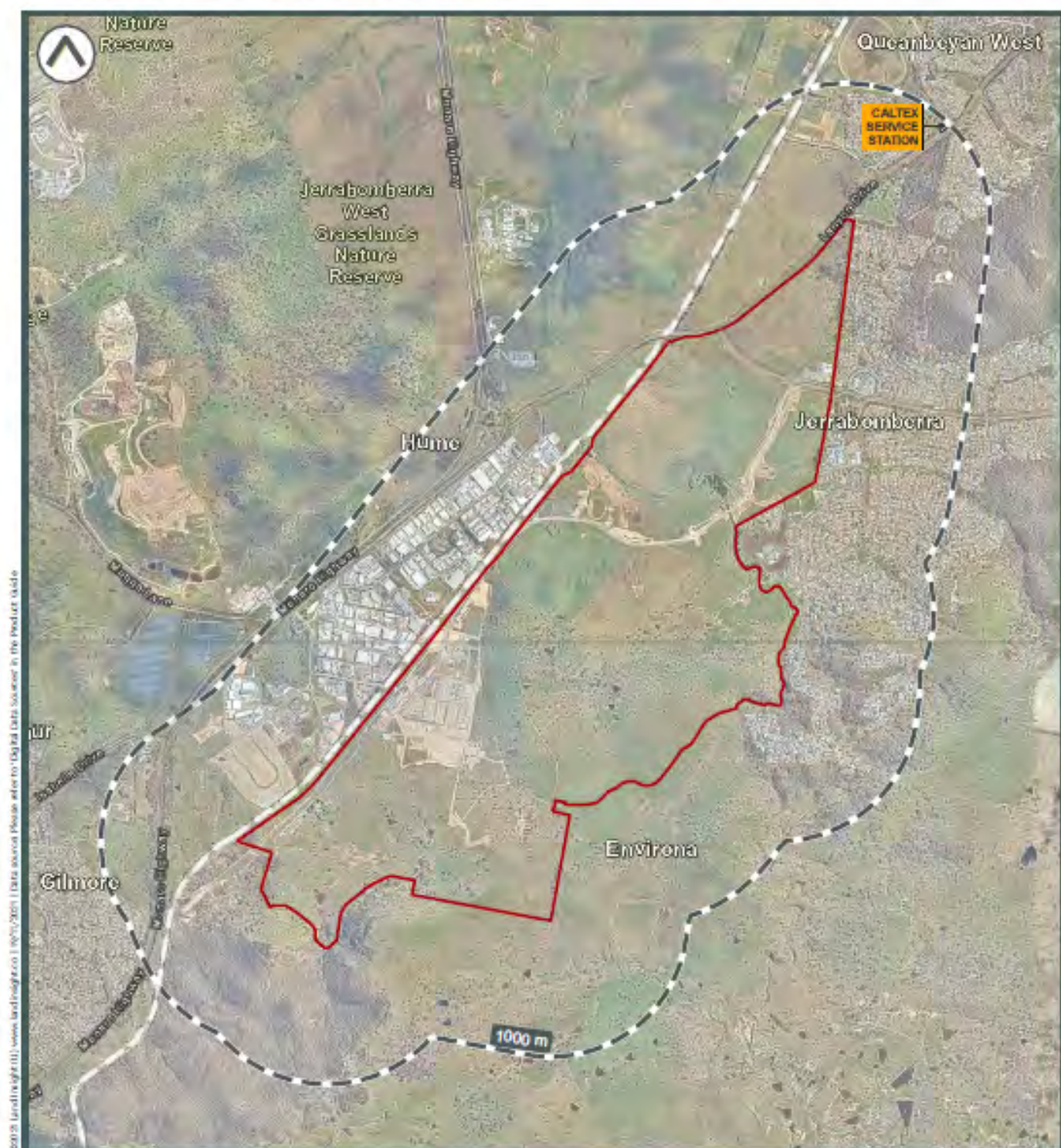
Low potential GDE – from national assessment

Hydrogeologic Unit

Paleozoic and Pre-Cambrian Fractured Rock Aquifers (low permeability)



Contaminated Land Public Register



- Subject area
- Contaminated Land Register (CPL)
- Contaminated Land Register (CPL)
- Contaminated Land Record of Notices

0 400 800 1,200 1,600 2,000m

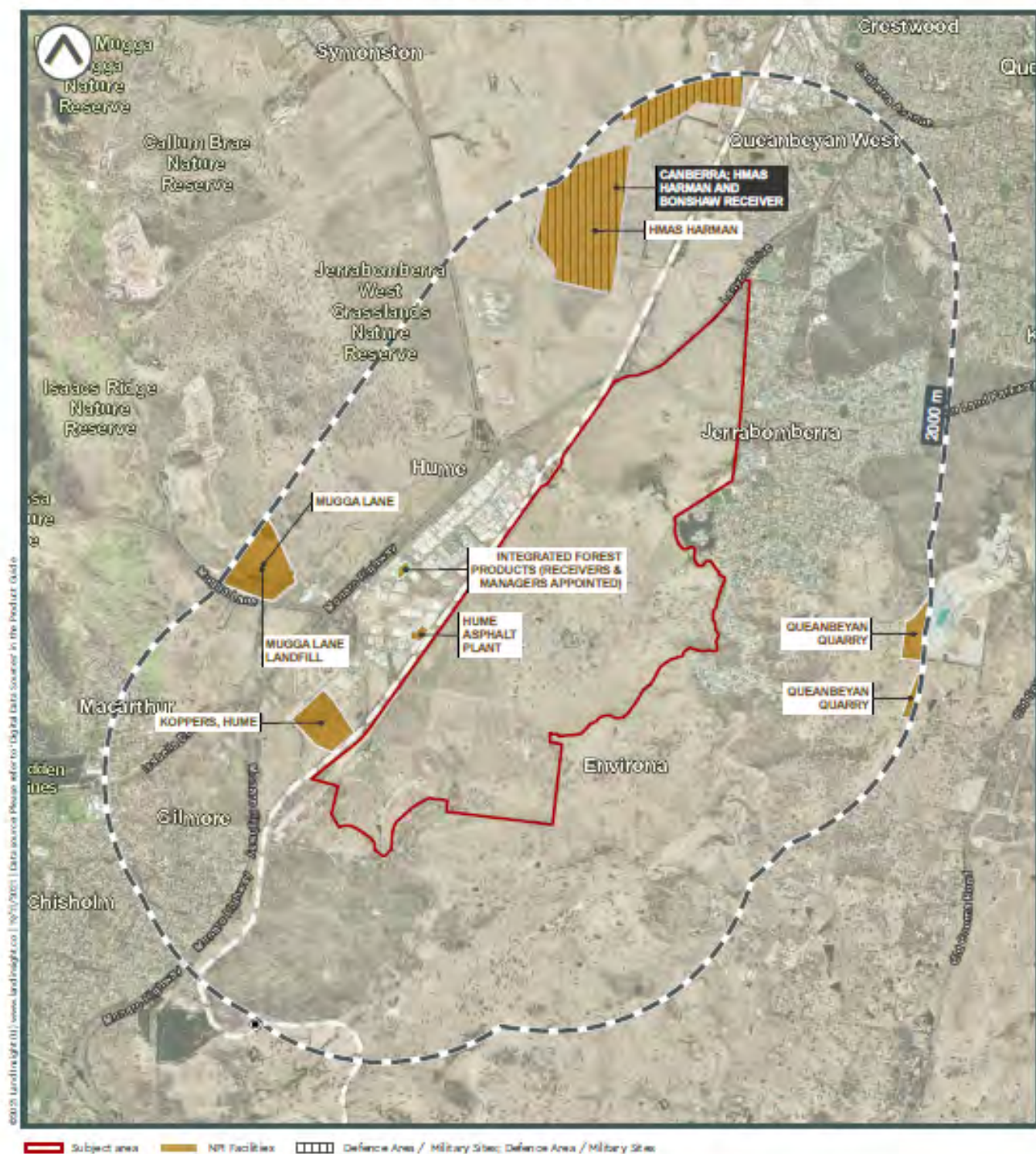


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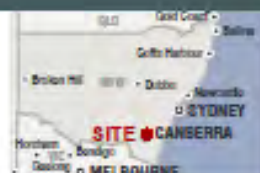
Sites Regulated by other Jurisdictional Body



0 500 1000 1500 2000m

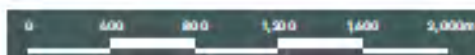
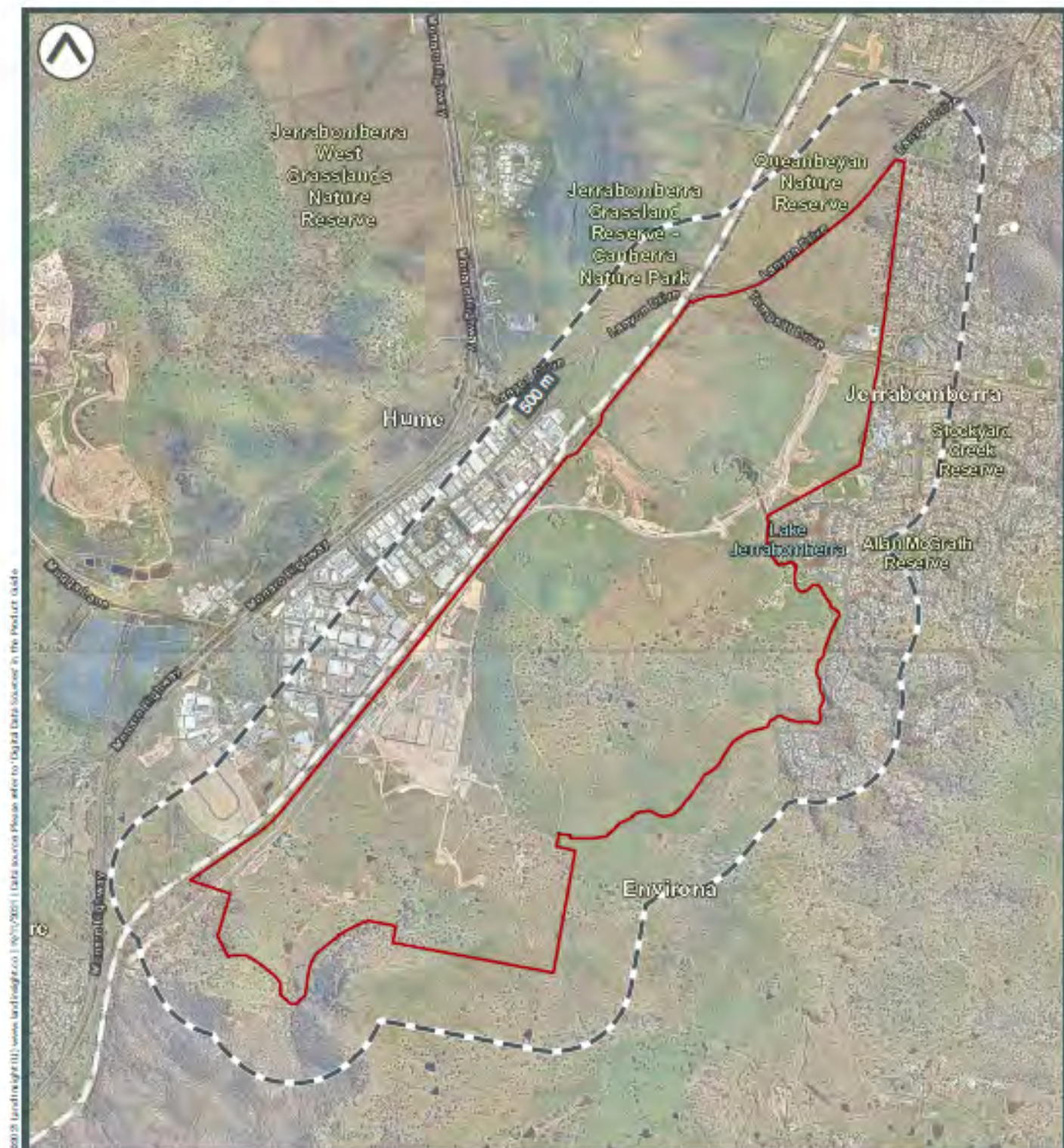


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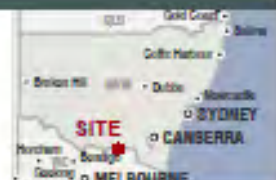




Licensing Under the POEO Act

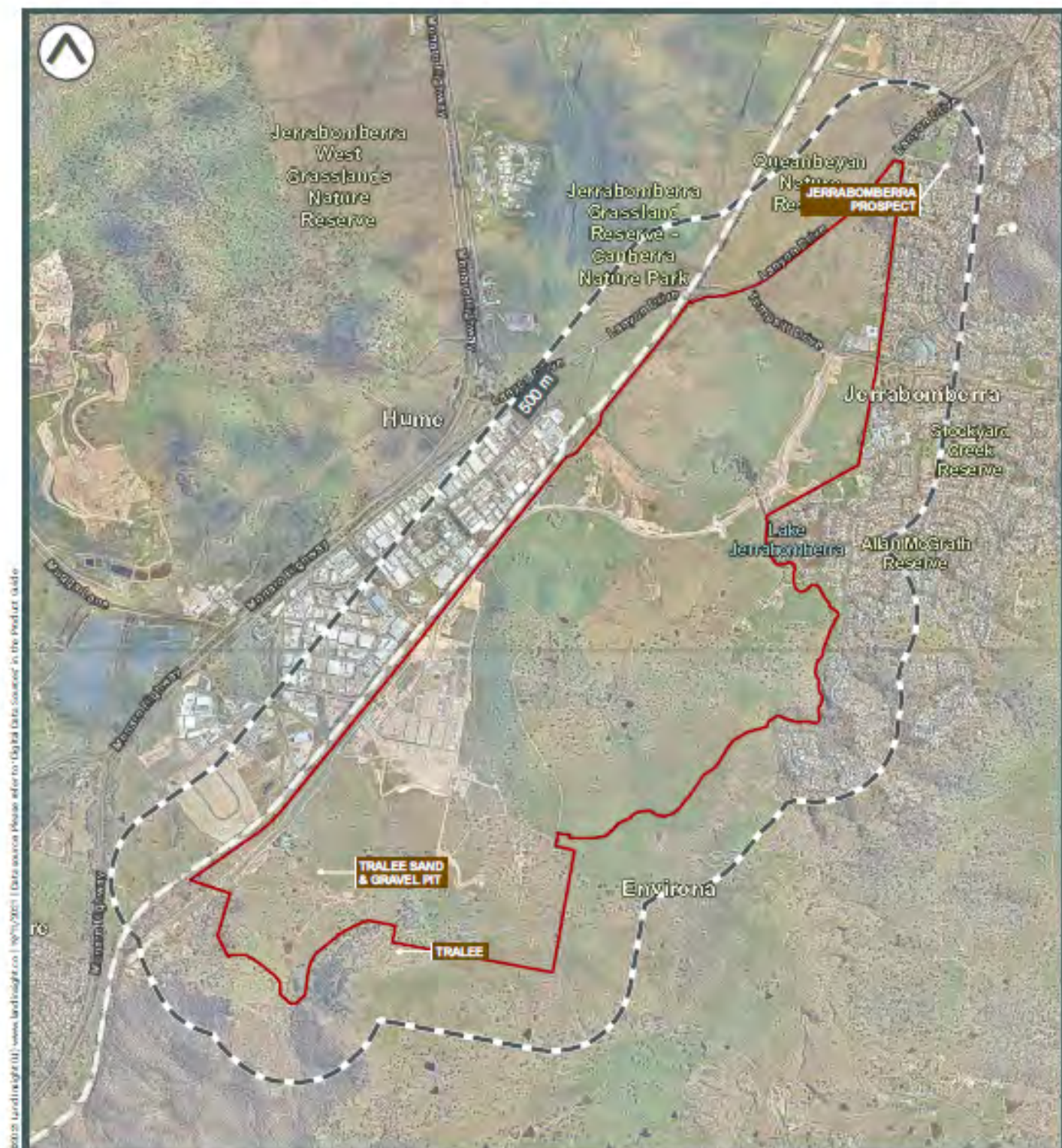


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Former Potentially Contaminated Land

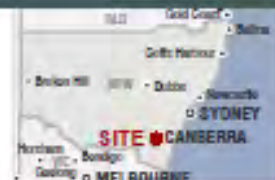


- Subject area
- Contaminated Legacy Areas:
James Hardie asbestos
Historical (Legacy) Landfills
- Demolish Mines and Quarries

0 500 800 1,500 2,000m



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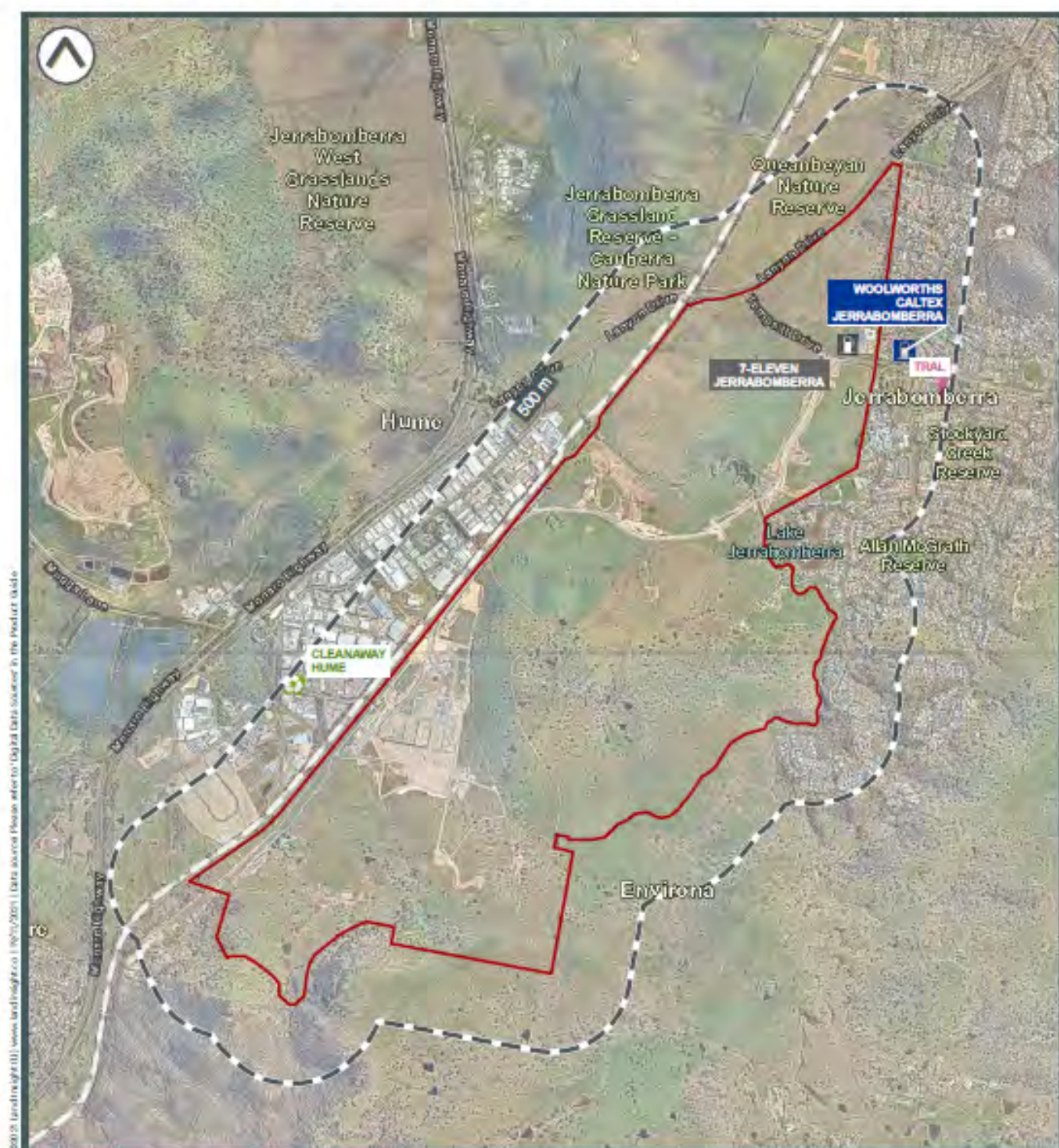




POTENTIALLY CONTAMINATED AREAS

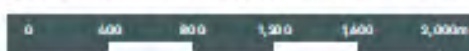
MAP 4.2

Current Potentially Contaminating Activities (PCAs)

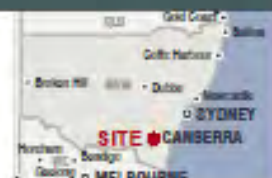


- | | | | |
|--------------------------|--------------------|-----------------------------|------------------------------|
| Subject area | Fire Reserve | Operating Mines | Substation/switching station |
| Cattle Dip Sites | Gas Terminals | Power Stations | Telephone Exchanges |
| Operational Dry Cleaners | Liquid Fuel Depots | Operational Petrol Stations | Wastewater Treatment Plants |
| Former Dry Cleaners | | Former Petrol Stations | Waste Management Facilities |

Data is current as when this report was created. However due to the turnover of business locations, some addresses may be former.

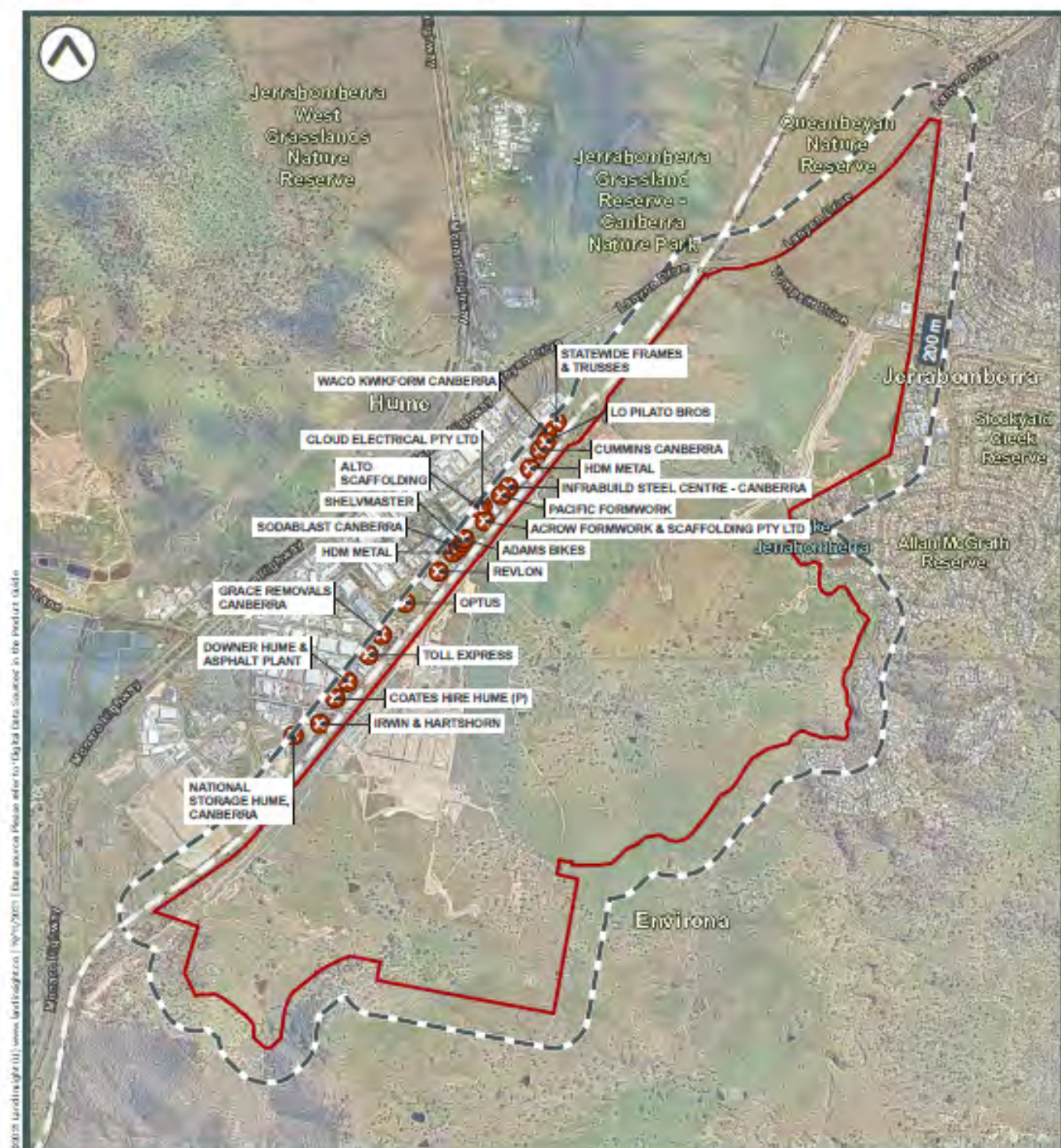


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Other Potentially Contaminating Activities

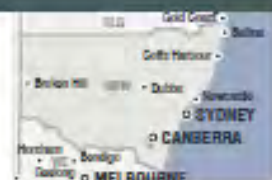


- Subject area
- Commercial & Trade Directory
- ⊗ Other potentially contaminating activities
- ⊗ Former potentially contaminating activities

*This is not an exhaustive list of all risks

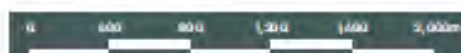
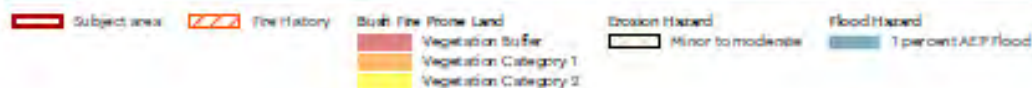
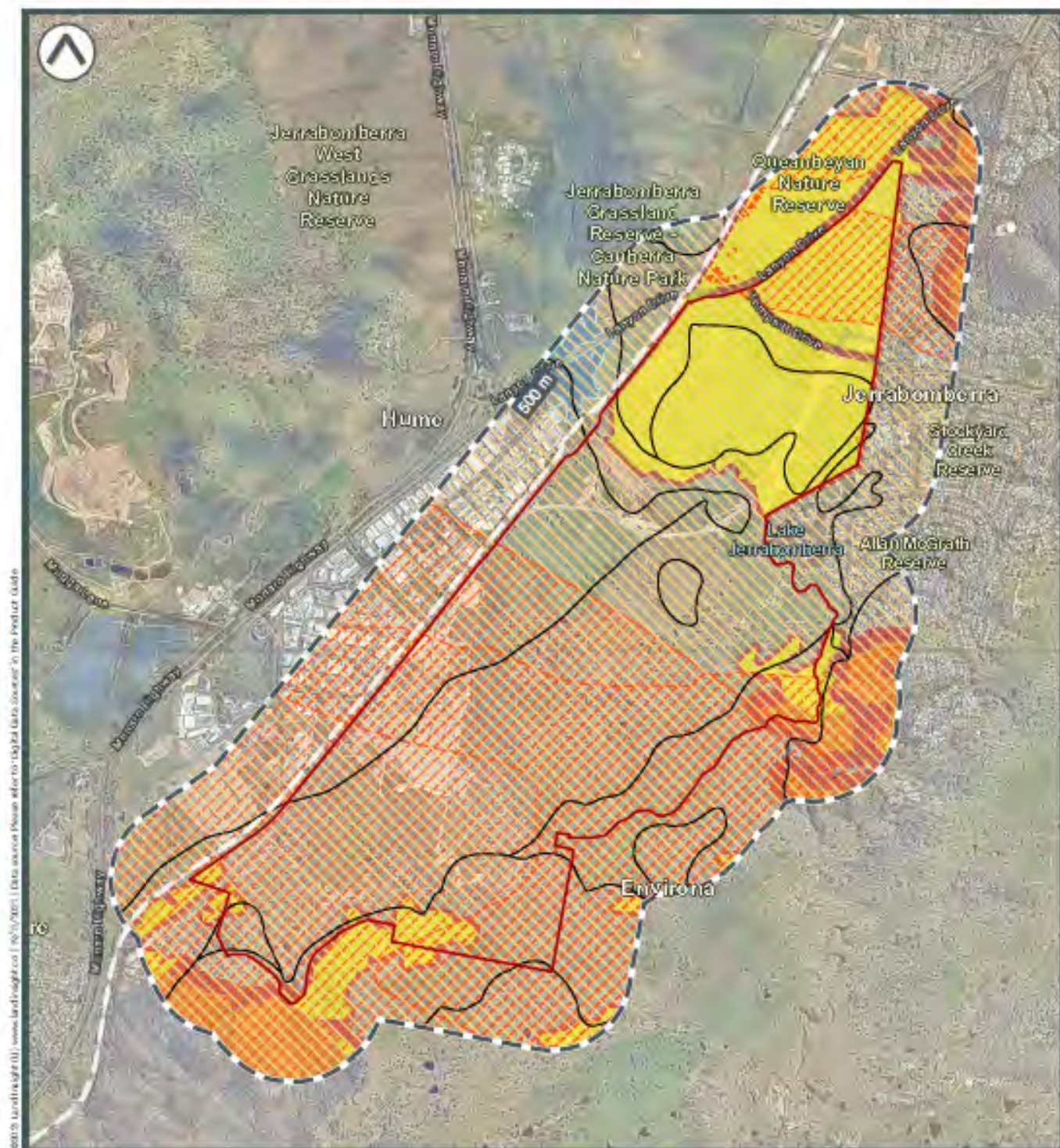


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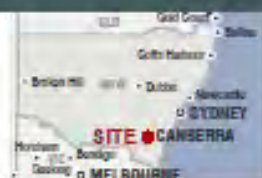




Fire and Flood Hazards



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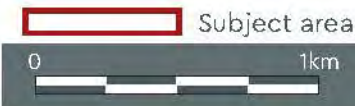
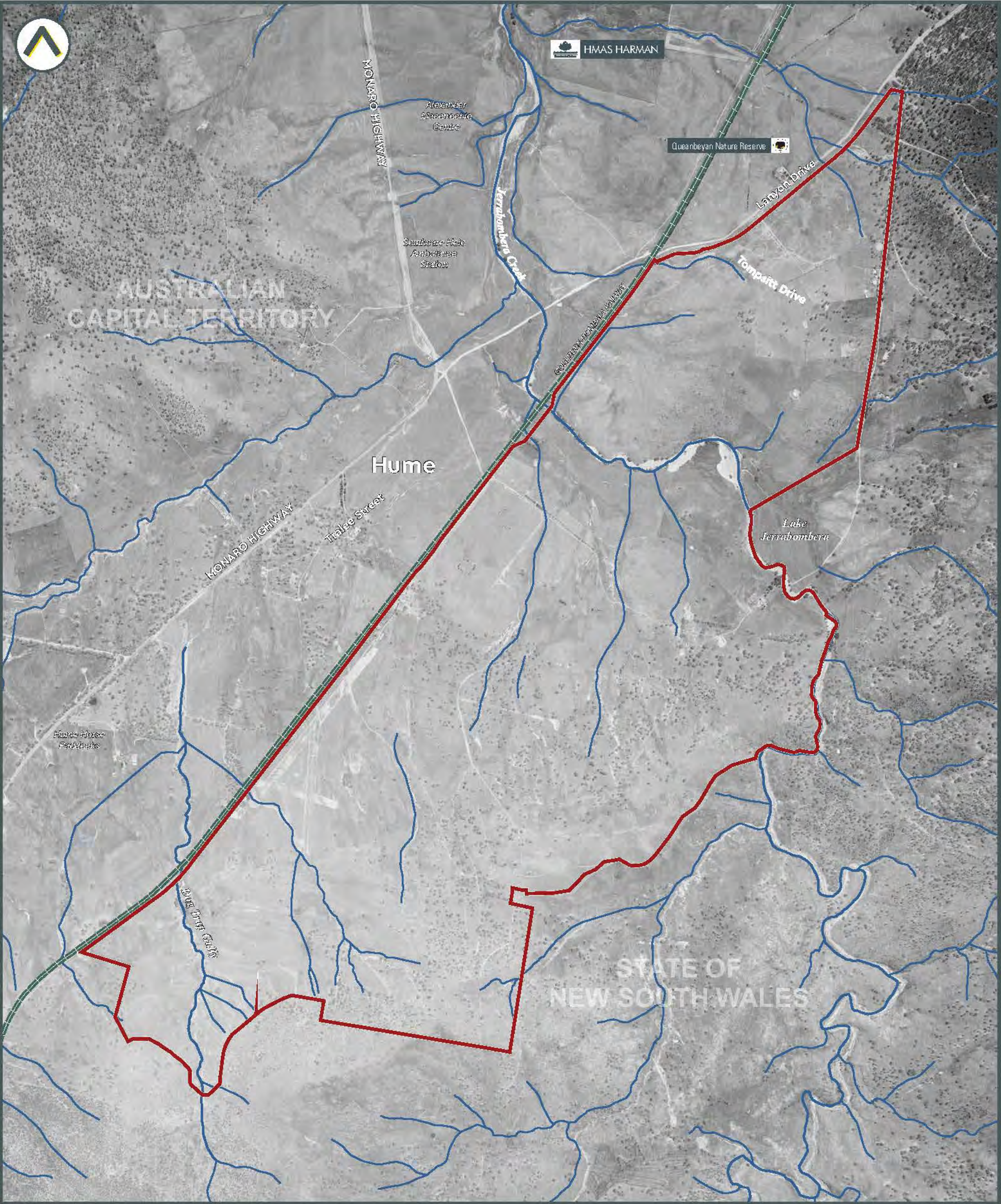


An aerial photograph of a vibrant turquoise river winding through a rugged, rocky landscape. The river is flanked by steep, rocky banks and dense, lush green vegetation. The water's color is a striking contrast to the surrounding earthy tones of the rocks and trees. The river flows from the top left towards the bottom right of the frame.

Appendix B

HISTORIC IMAGERY

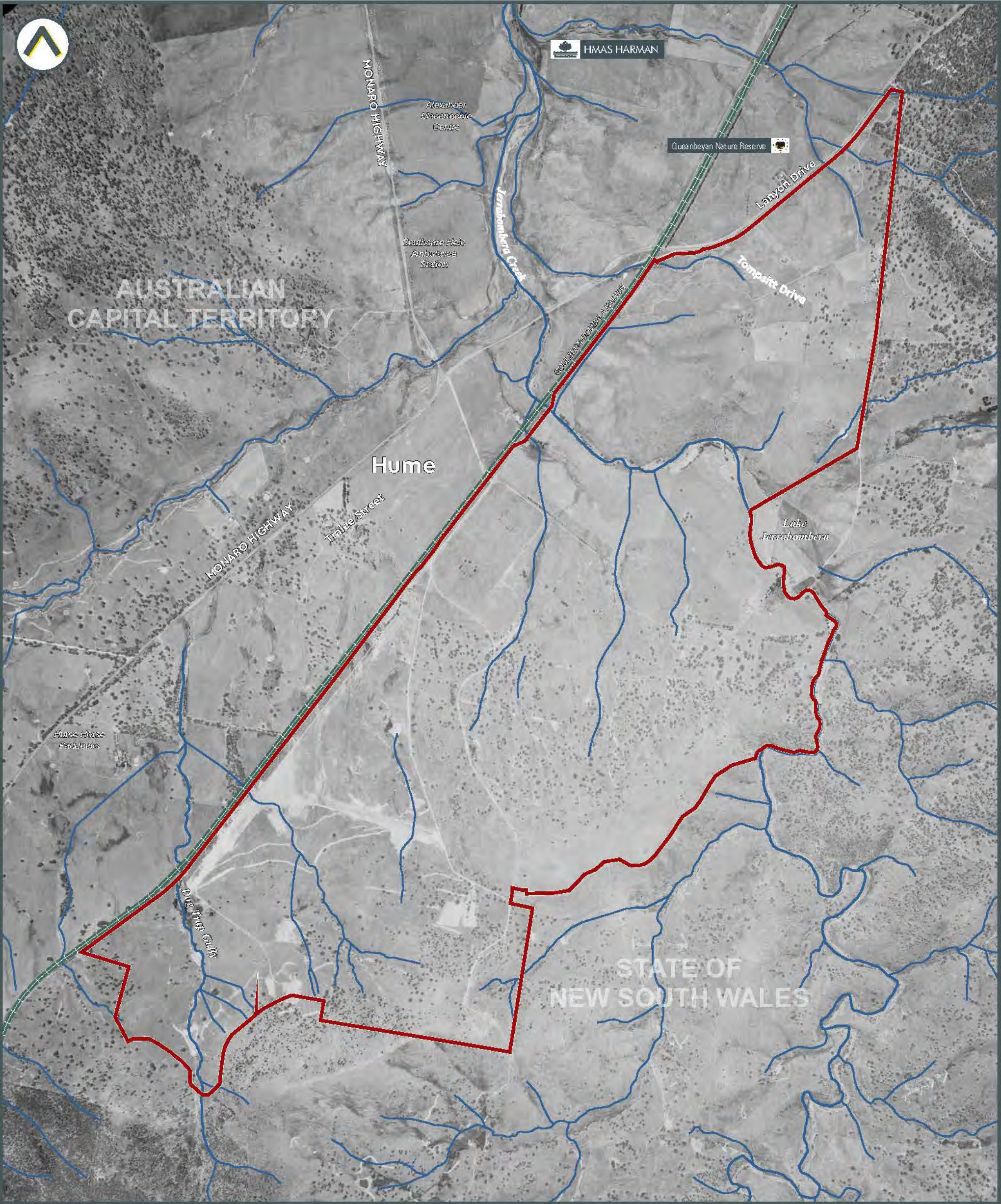
Historic Aerial Photograph - 1961



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Historic Aerial Photograph - 1968



Subject area

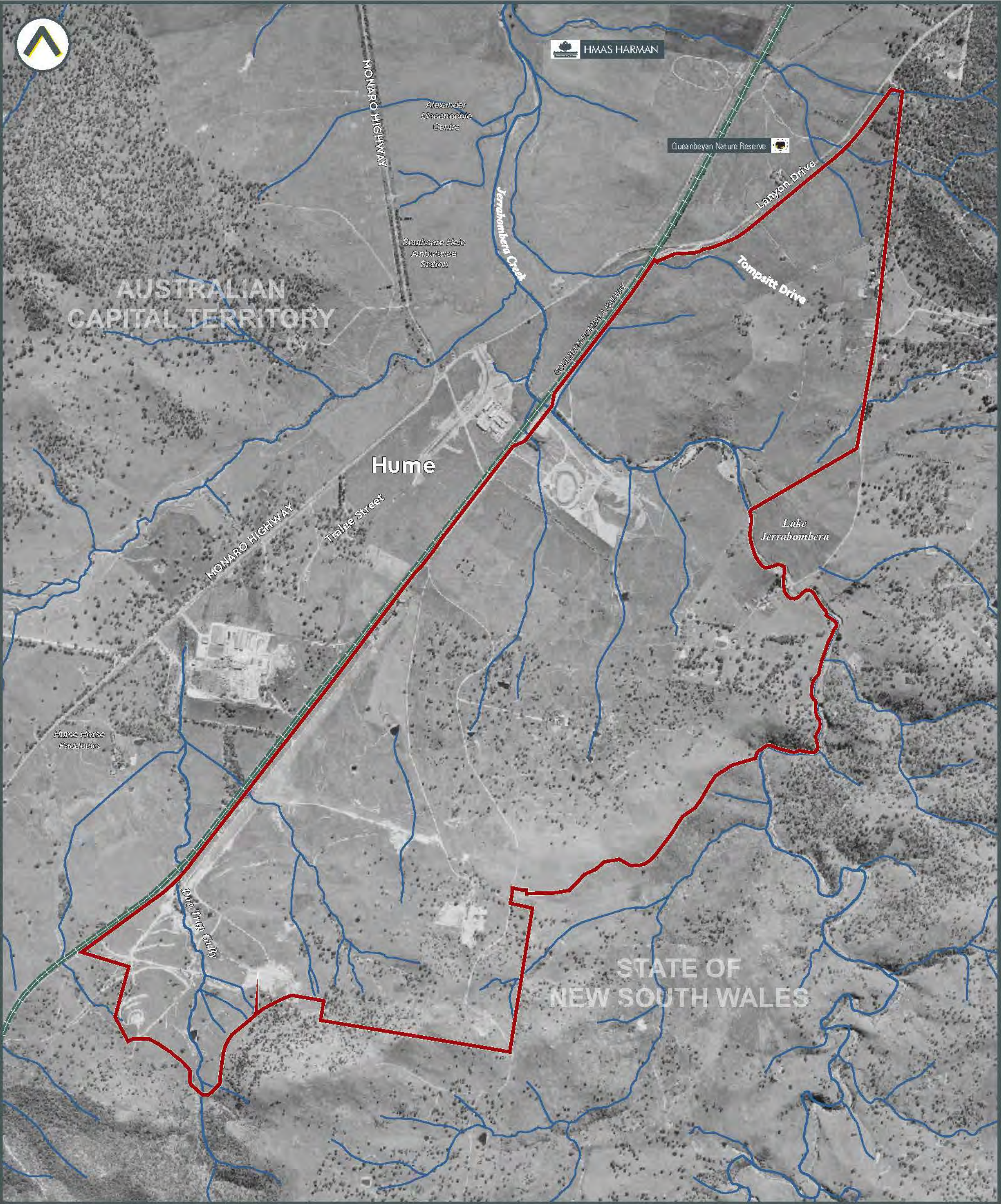
0 1km



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Historic Aerial Photograph - 1976



Subject area

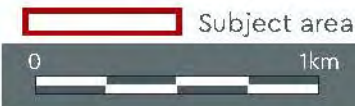
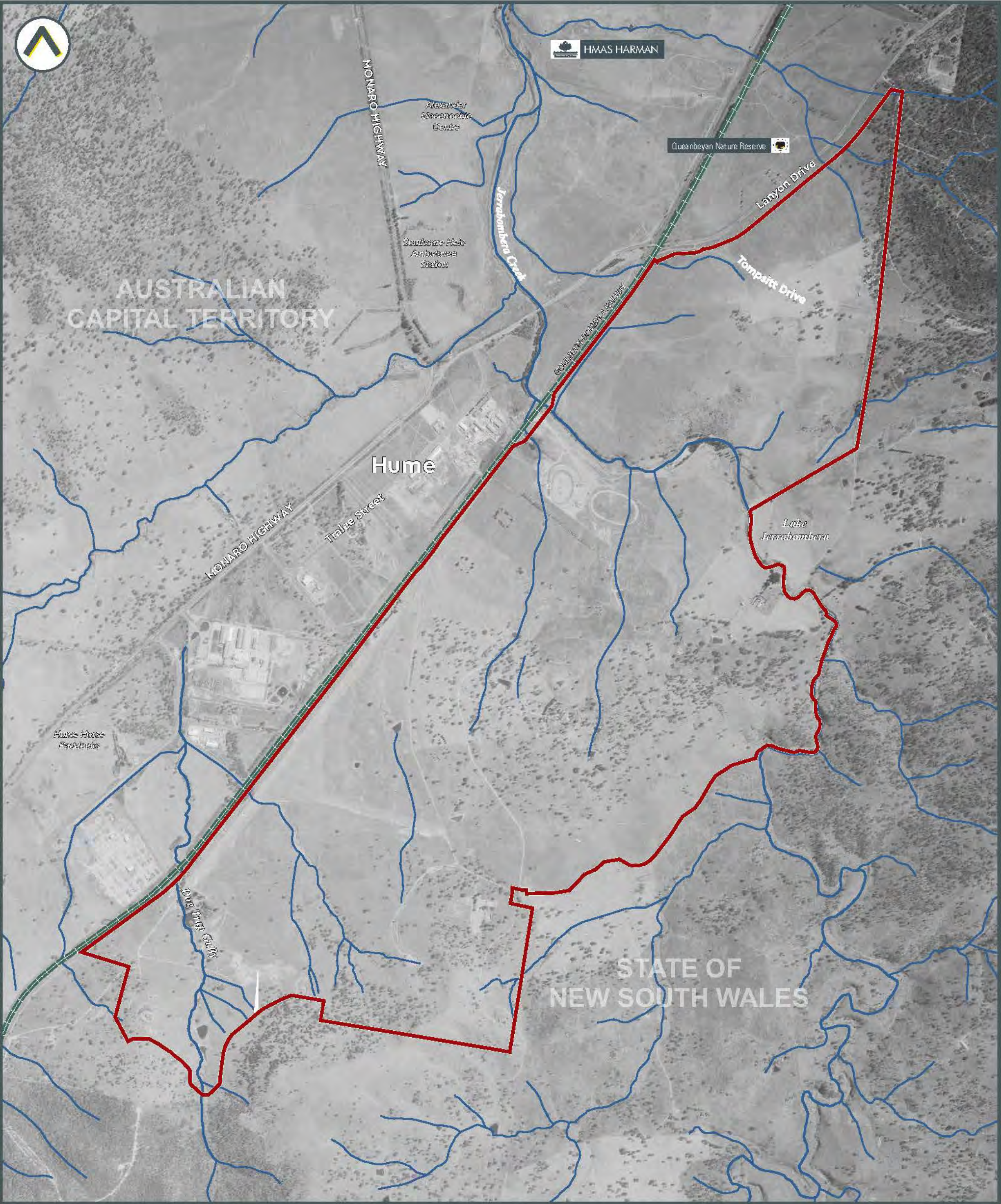
0 1km



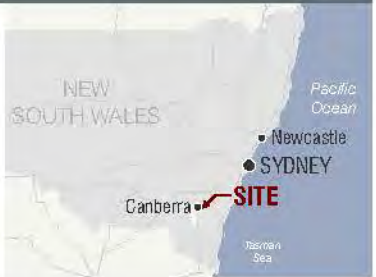
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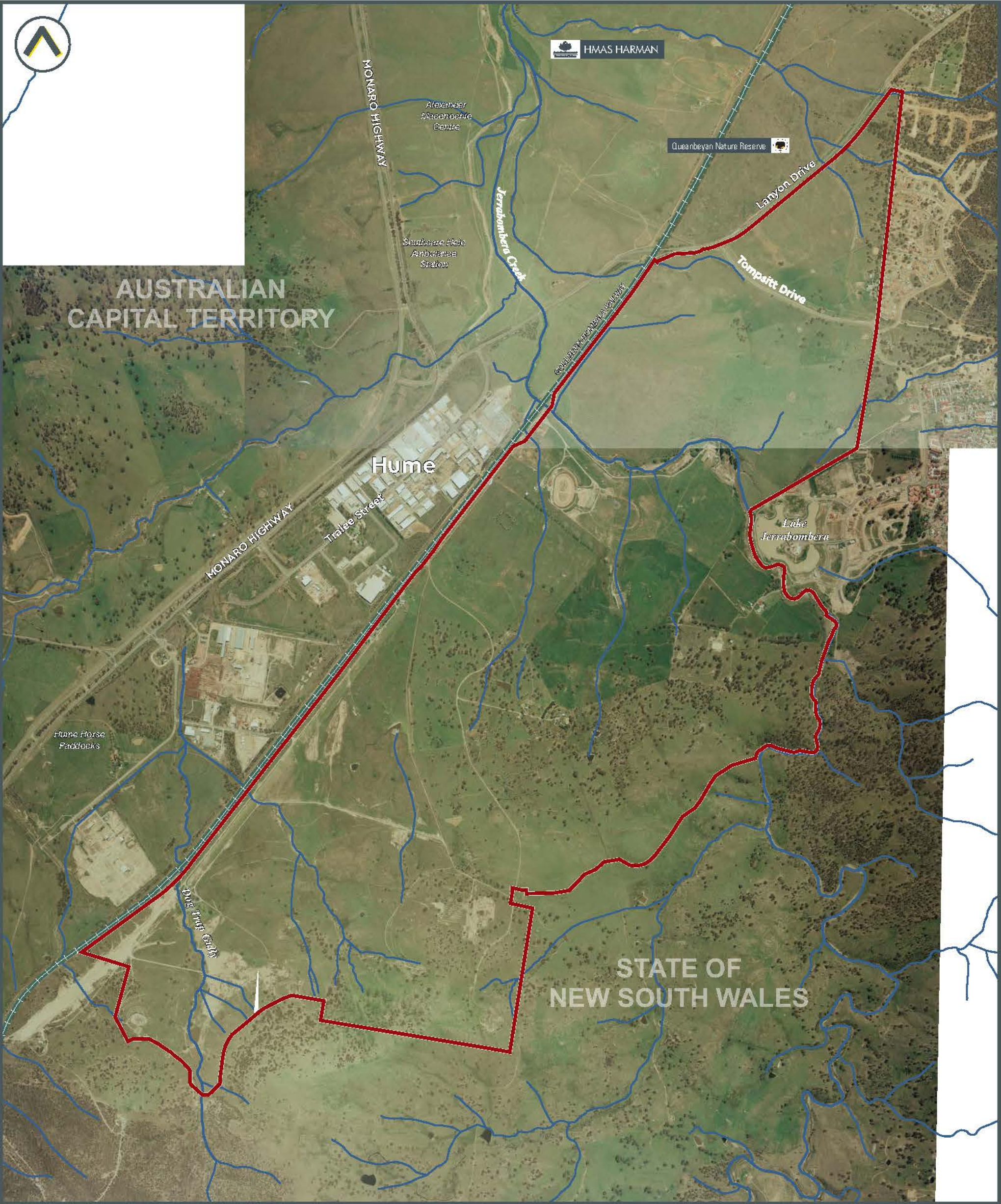
Historic Aerial Photograph - 1985



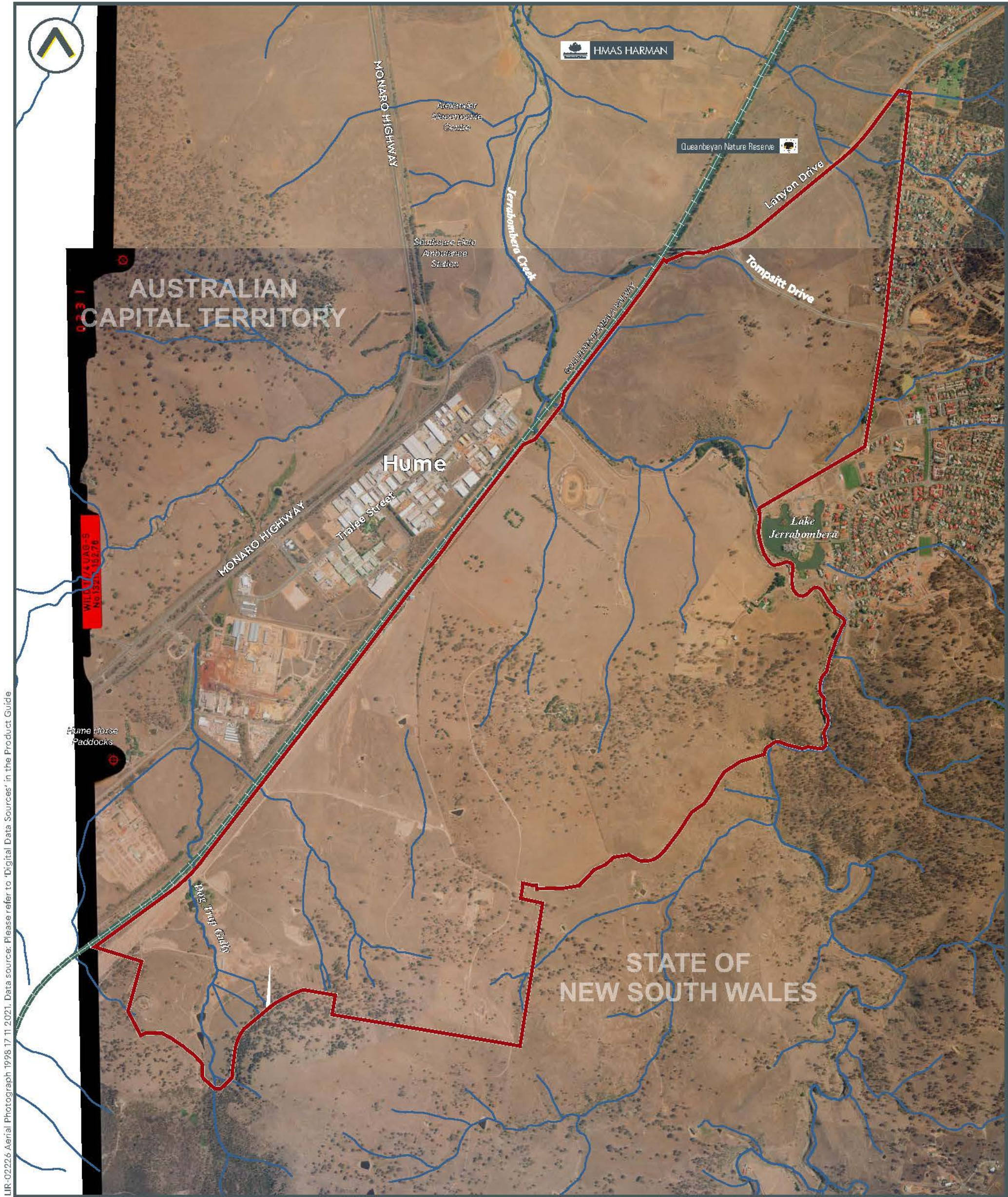
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Historic Aerial Photograph - 1985



Historic Aerial Photograph - 1998



Subject area

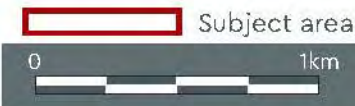
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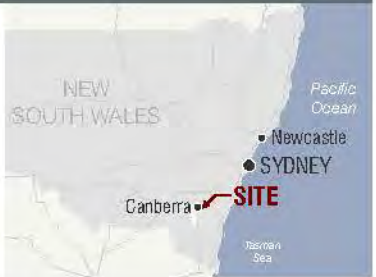
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Historic Aerial Photograph - 2008



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Historic Aerial Photograph - 2010



Subject area

0 1km



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Historic Aerial Photograph - 2012



Subject area

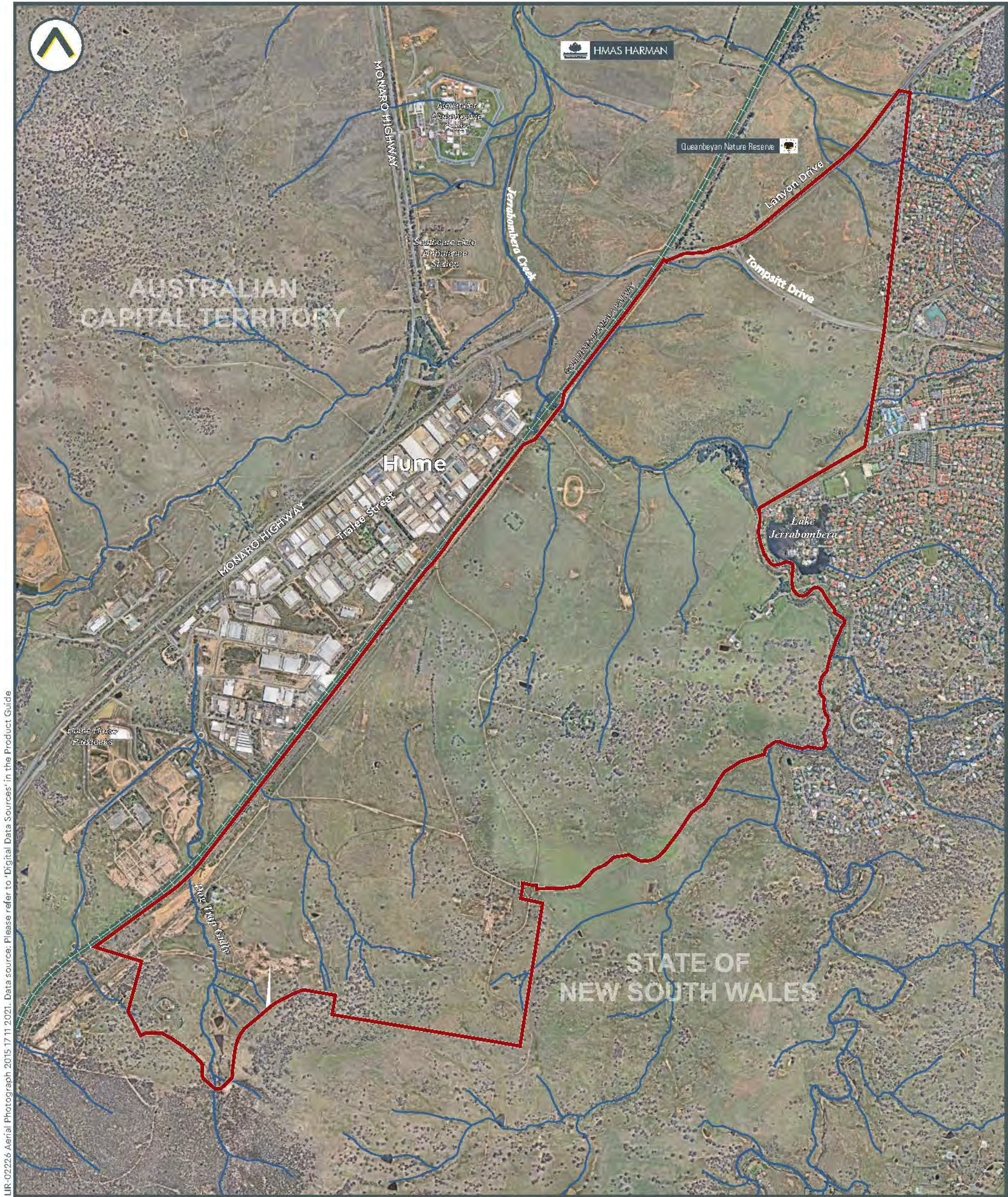
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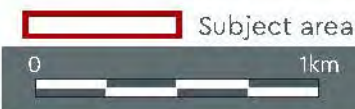
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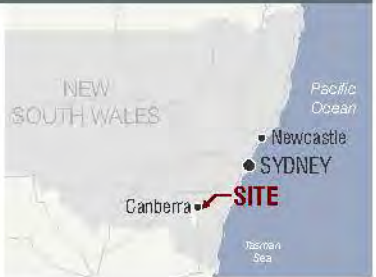
Historic Aerial Photograph - 2015



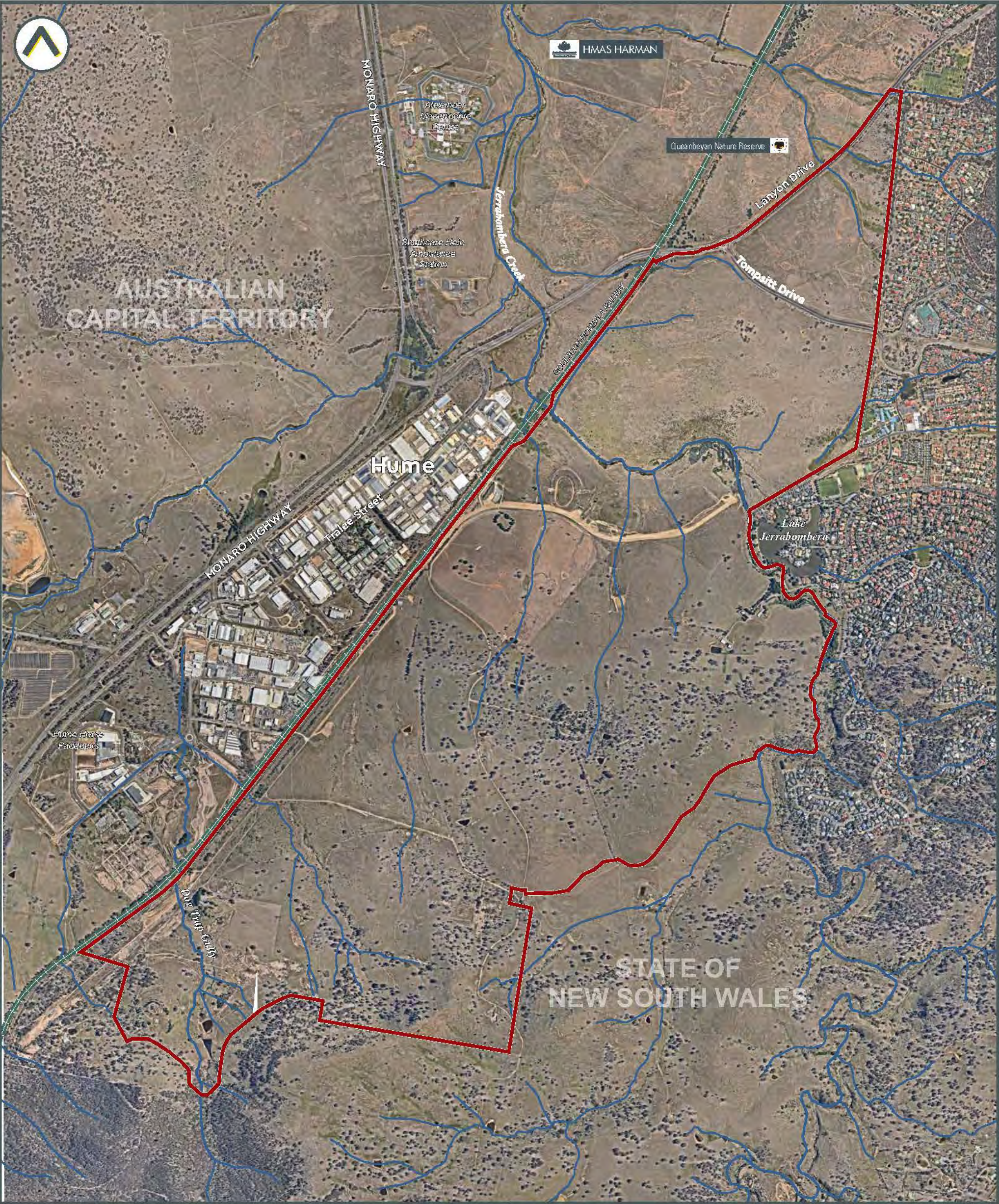
LIR-02226 Aerial Photograph 2015 1711 2021. Data source: Please refer to 'Digital Data Sources' in the Product Guide



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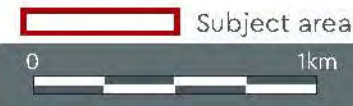
Historic Aerial Photograph - 2018



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Historic Aerial Photograph - 2021



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