

Baseline Environmental Survey

Mathinna Lease EL19/2018

Prepared for
Stavely Minerals

Client representative
Chris Cairns

Date
30 August 2019

Rev A



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Appendices

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Prepared by — Leigh Knight

Date — 30 August 2019

Reviewed by — David Lenel

Date — 30 August 2019

Authorised by — David Lenel

Date — 30 August 2019

Revision History

Rev No.	Description	Prepared by	Reviewed by	Authorised by	Date
A	Report	L Knight	D Lenel	D Lenel	30/08/2019

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1. Introduction

pitt&sherry was engaged by Stavely Minerals Ltd (Stavely) to prepare a baseline environmental assessment of its exploration lease located on Golden Gate Rd, south of Mathinna.

Stavely was recently granted EL19/2019 (formerly EL19/2018) and intends to commence exploration drilling in October 2019. It is seeking advice in relation to environmental matters as part of its due diligence process. Details of the exploration lease, identified in Figure 1, are as follows:

- Reference No: EL19/2018
- Area: 1 km²
- Category of Mineral: Category 1 - Metallic Minerals, Atomic Substances.



Figure 1: Location of the exploration area showing proximity to Mathinna

The purpose of this report is to identify potential ecological and heritage constraints that may affect the site and any other environmental considerations which may have implications for the re-establishment of operations on site. The current extent of environmental impact within the lease will be assessed and areas likely to be suitable for low impact drilling operations will be identified.

2. Methodology

Information presented in this report was obtained by undertaking a review of publicly-available databases and during a site inspection conducted on 20 August 2019.

Information sources accessed included:

- Land Information System Tasmania (LIST) managed by the Department of Primary Industries, Parks, Water and Environment (DPIPWE)
- The Tasmanian Natural Values Atlas
- The Commonwealth Department of Environment and Energy's Protected Matters Search Tool
- The Groundwater Information Access portal to identify any known bores
- The Tasmanian Heritage Register
- Aboriginal Heritage Tasmania
- Historical mining activity records such as listed adits, shafts and known sources of AMD.

A site inspection was undertaken to:

- inspect the site's key areas of potential environmental impact such as the tailings dam and former laydown areas
- photograph and geolocate areas of interest such as water flows, especially those originating from historical mining activity including the tailings dam and adits
- identify any disused materials such as building, mining and other post-mining waste materials
- identify any drainage infrastructure that may be functioning and/or requiring repair or remediation.

Details identified on site were cross-referenced with information gained during the literature review where practical – the raw photos have been georeferenced and will be provided to Stavely.

3. Results

3.1 Literature review

3.1.1 Land Tenure

A plan showing land tenure is attached at Appendix A. The land is a combination of Permanent Timber Production Zone Land, Crown land and Informal Reserve (managed by Sustainable Timbers Tasmania). The Permanent Timber Production Zone is identified for forestry but can also be managed for mining and other uses.

3.1.2 Hydrology

The lease area is within the South Esk catchment which covers an area of approximately 335,000 ha. Long Gully Creek passes through the north eastern portion of the lease area, predominantly following the line of the current extent of clearing. An un-named tributary of a local drainage network runs through the very south west corner of the lease area. This system does not appear to connect with either of the major creeks in the locality and passes through what appears to be less disturbed vegetation.

A search of the publicly available information has indicated that there are no groundwater bores within 2km of the lease. The closest bore (feature 18378) is 3.5 km east of the site and no information is available regarding the bore status.

3.1.3 Vegetation Communities

No threatened vegetation communities identified under the *Nature Conservation Act 2002* are mapped within the lease area. Native vegetation communities mapped within the lease area include *Eucalyptus amygdalina* forest on mudstone on the western side with a small of *Acacia dealbata* forest in the north east corner. The on-line mapping is an indication based on aerial imagery and has not been ground-truthed in all areas. This will be confirmed during the proposed site ecological assessment.

One Threatened Ecological Community (TEC) listed under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) has been recorded near the site - Tasmanian Forests and Woodlands dominated by black gum or Brookers gum (*Eucalyptus ovata* / *E. brookeriana*). The vegetation communities mapped on site are not representative of this TEC. This will be confirmed during the proposed site ecological assessment. However, this is not expected to limit Stavely's exploration activities.

3.1.4 Threatened Species

Species can be identified as threatened either at a state level (under the *Threatened Species Protection Act 1995*) or at a Commonwealth level (under the EPBC Act), or both. The species identified in Table 1 were identified in the Natural Values Atlas search (Appendix B) and the Protected Matters Search (Appendix C) as being listed under one or both of these acts. These species are typically those which occur at the interface of forested and cleared areas and those using forest habitats. The potential for these species to be present will be determined by the suitability of habitats available. The potential for impacts and the need for further assessment of these species will depend on the likelihood of occurrence and the nature of activities proposed. Habitats for these species will be confirmed during the proposed site ecological assessment.

Parts of the lease area are identified in the Break O'Day Interim Planning Scheme 2013 (the Planning Scheme) as being within a priority habitat overlay area, however, this excludes the central strip either side of the Golden Gate Rd.

Table 1: Threatened species potentially occurring within the lease area

Species	Common Name	Commonwealth Status*	State Status*
<i>Litoria raniformis</i>	green and gold frog	V	V
<i>Pseudemoia pagenstecheri</i>	tussock skink	-	V
<i>Aquila audax subsp. fleayi</i>	Tasmanian wedge-tailed eagle	E	E
<i>Tyto novaehollandiae subsp. castanops</i>	masked owl (Tasmanian)	V	E
<i>Accipiter novaehollandiae</i>	grey goshawk	-	E
<i>Haliaeetus leucogaster</i>	white-bellied sea-eagle	-	V
<i>Ceyx azureus diemenensis</i>	Tasmanian Azure Kingfisher	E	E
<i>Hirundapus caudacutus</i>	White-throated needletail	V	-
<i>Lathamus discolor</i>	Swift parrot	CE	E
<i>Perameles gunnii</i>	Eastern barred bandicoot	V	-
<i>Dasyurus maculatus subsp. maculatus</i>	spotted-tail quoll	V	R
<i>Dasyurus viverrinus</i>	Eastern quoll	E	-
<i>Sarcophilus harrisii</i>	Tasmanian devil	E	E

* V = vulnerable; E = endangered; CE = critically endangered; R = rare

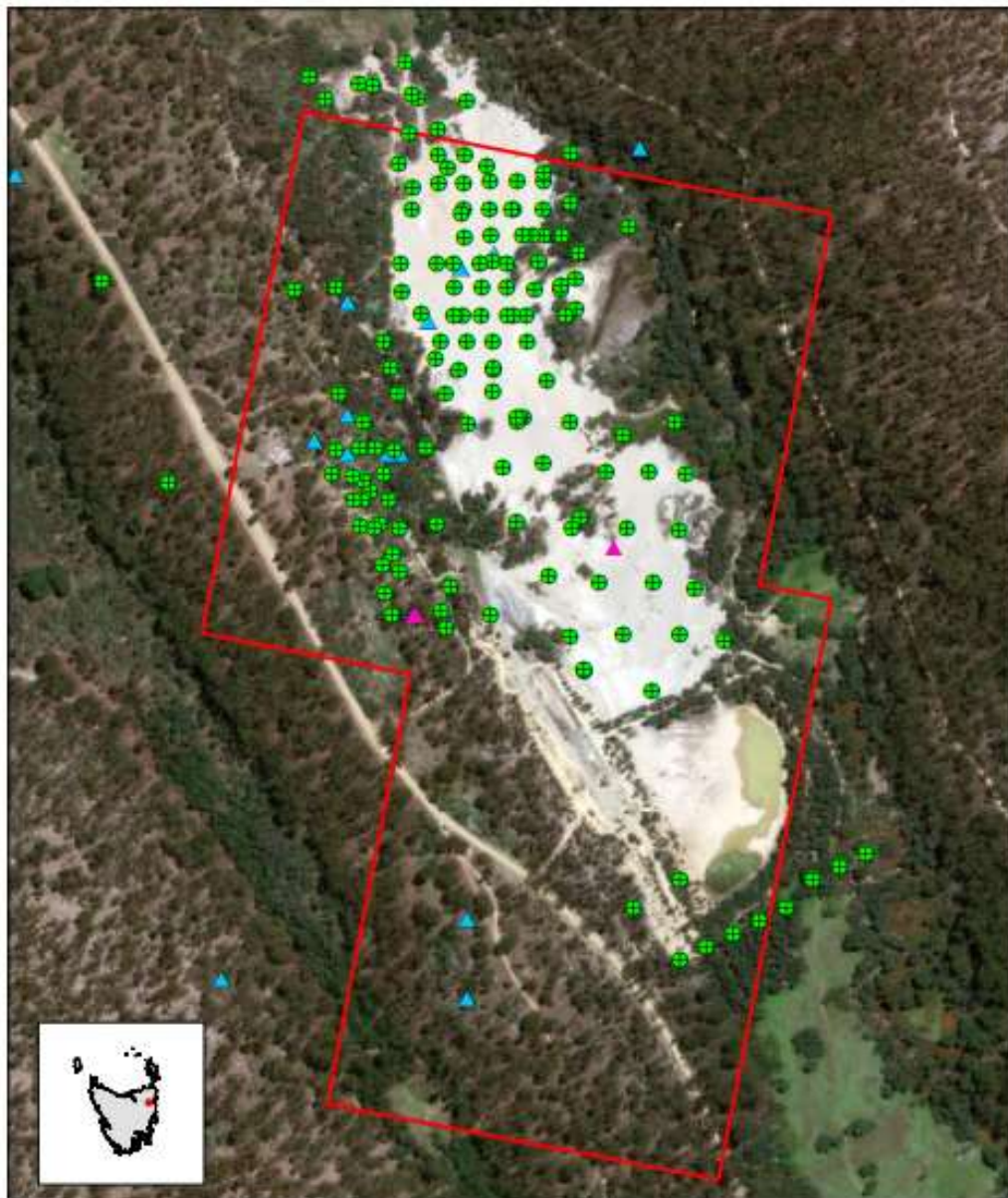
3.1.5 Heritage

No sites listed on the Tasmanian Heritage Register or the Planning Scheme heritage register were identified within the site. The closest site of historic heritage (Mathinna Catholic Church) is 490 m to the north of the lease in the township of Mathinna.

Aboriginal Heritage Tasmania (AHT) has completed a search of the Aboriginal Heritage Register (AHR) regarding the proposed exploration drilling at Mathinna and advised that there are no Aboriginal heritage sites recorded within EL19/2018. AHT have no objections to the works proceeding provided works are guided by an Unanticipated Discovery Plan.

3.1.6 Previous workings

The location of known boreholes and known results are shown on Figure 2. Note that there is no information available for most of these bores.



Stavely Minerals

EL 19/2019
MRT database

pitt&sherry

Legend

EL19/2018 Mineral Occurrences

- ⊕ Borehole
- ▲ Hardrock - Metals
- ▲ Alluvial

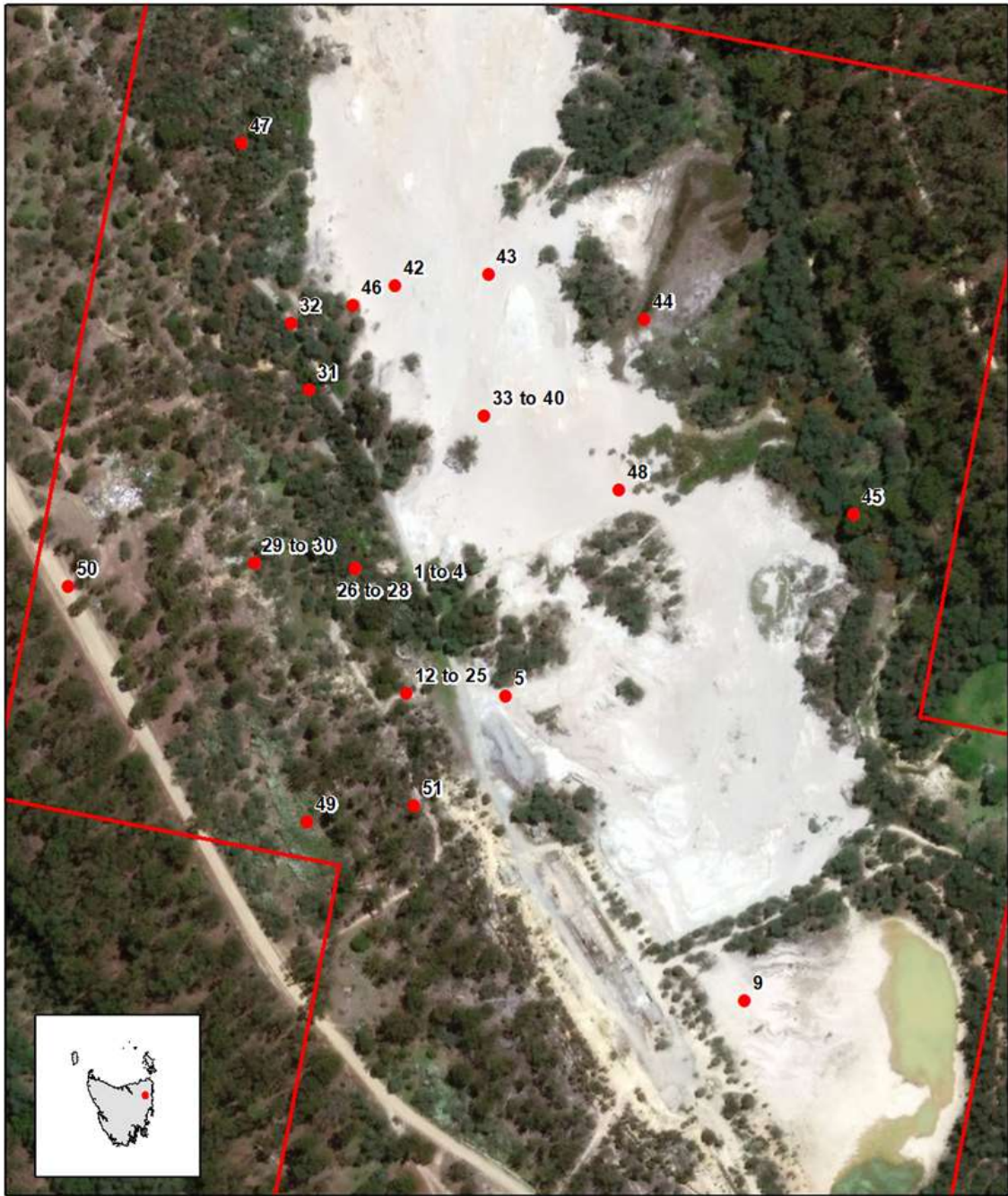
MAP REF	HB19380H001	DATA	Base map from EPSO
REVISION	A	SOURCES	Base data from The LIST
AUTHOR	Klaurence		Tasmanian Government
DATE	15/05/2019		



Figure 2: Figure 2 Previous bores and mineral occurrences

3.2 Site investigations

Photographs of features identified during the site investigations are provided in Appendix D. The location of these are cross-referenced on Figure 3 and key features of interest are identified on the following plates.



Stavely Minerals

Photograph Locations

pitt&sherry

Legend

- Photo Locations
- EL19/2018

MAP REF	HB19380R2	DATA	Base map from ESRI
REVISION	A	SOURCES	Base data from The LIST
AUTHOR	deneil		Tasmanian Government
DATE	28/08/2019		

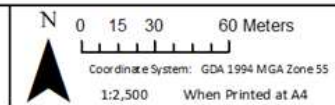


Figure 3: Location of photographs identifying key features of interest.



Plate 1 Winder foundation : Photo ref 1-4



Plate 2 NGG Tanks : Photo ref 1-4



Plate 3 NGG battery site with 1980's overprint : Photo ref



Plate 4 1980's Tailings Retreatment : Photo ref



Plate 5 1980's Tailings storage facility : Photo ref 9



Plate 6 Old shafts : Photo ref 12 - 25



Plate 7 Open cut shaft : Photo ref 29-30



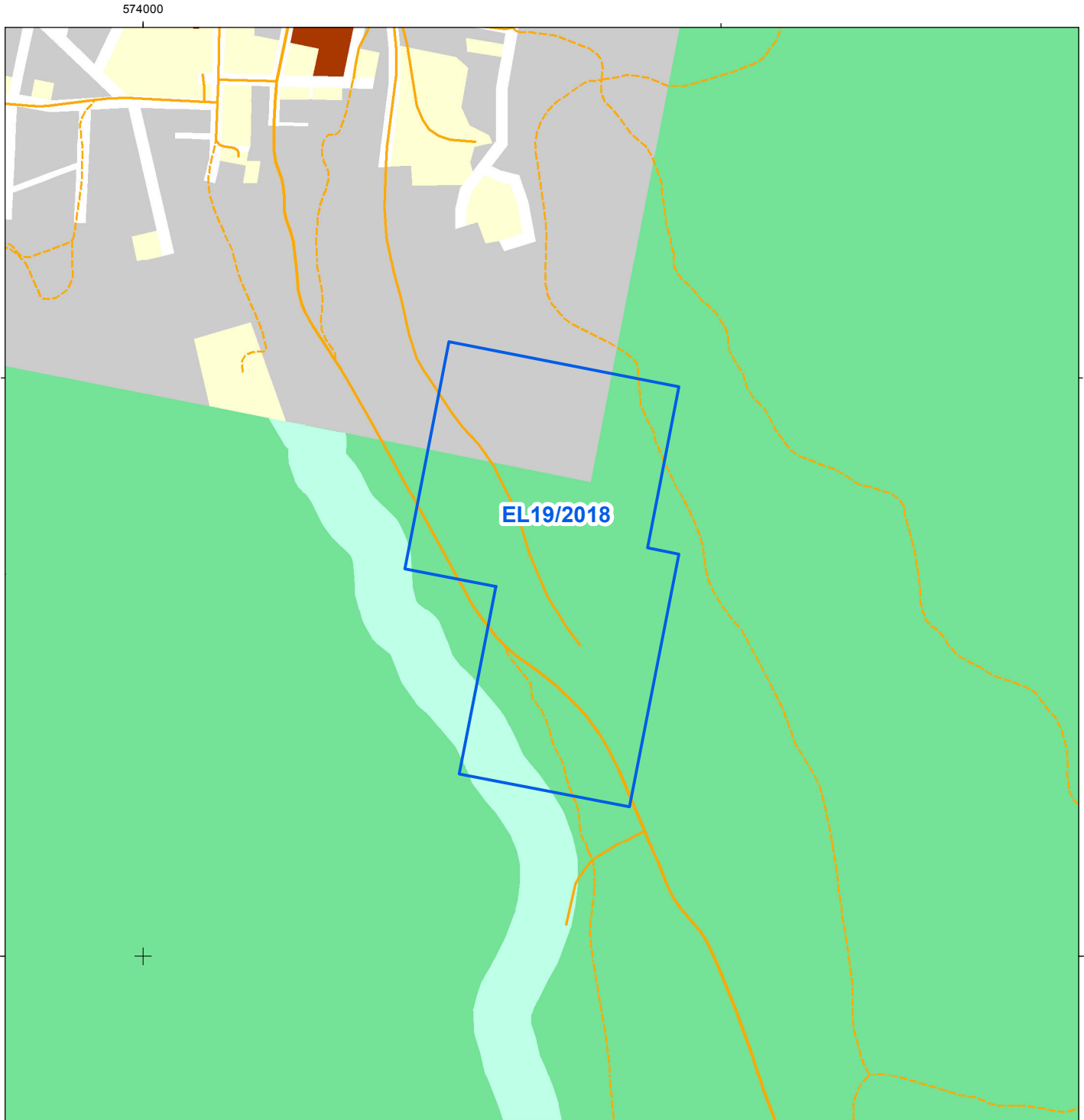
Plate 8 King Billy pine tank : Photo ref 33-40

DRAFT

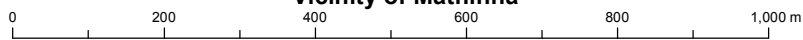
Land Tenure Map

Appendix A

DRAFT



EL19/2018 - 1km²
Vicinity of Mathinna

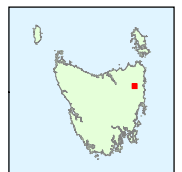


1:10,000

Coordinate Datum - GDA94 MGA Zone 55

Land Tenure / Special Management Areas (Guide Only)

 Unavailable Areas	 Future Potential Production Forest (HEC)	 Game Reserve	 Future Potential Production Forest (Crown)
 Mining Lease	 Informal Reserve (Forestry Operations) - Private Land	 Historic Site	 Informal Reserve - FT Managed Land
 RAMSAR Site	 Private Land	 National Park	 Permanent Timber Production Zone Land
 Gas Pipeline Corridor	 Aboriginal Administered Land	 Nature Recreation Area	 Authority Land
 Fossicking Area	 Wellington Park	 Nature Reserve	 Crown Land
 Fossil Site	 Conservation Area	 Regional Reserve	Private Reserves
 Commonwealth Land		 State Reserve	 Available under the MRDA but not available under administrative arrangements
 Aurora / Hydro / Transend Lands		 Public Reserve	 Available under the MRDA



Note: Land tenure is derived from the LIST and other sources and may be incomplete. Not all land tenure depicted in legend may appear on the map.

Relevant tenement land tenure / land management area indicated *

Natural Values Atlas

Search Results

Appendix B

DRAFT

Natural Values Atlas Report

Authoritative, comprehensive information on Tasmania's natural values.

Reference: Mathinna

Requested For: Pitt&sherry

Report Type: Summary Report

Timestamp: 10:40:31 AM Thursday 15 August 2019

Threatened Flora: buffers Min: 500m Max: 500m

Threatened Fauna: buffers Min: 500m Max: 500m

Raptors: buffers Min: 500m Max: 500m

Tasmanian Weed Management Act Weeds: buffers Min: 500m Max: 500m

Priority Weeds: buffers Min: 500m Max: 500m

Geoconservation: buffer 500m

Acid Sulfate Soils: buffer 500m

TASVEG: buffer 500m

Threatened Communities: buffer 500m

Fire History: buffer 500m

Tasmanian Reserve Estate: buffer 500m

Biosecurity Risks: buffer 500m



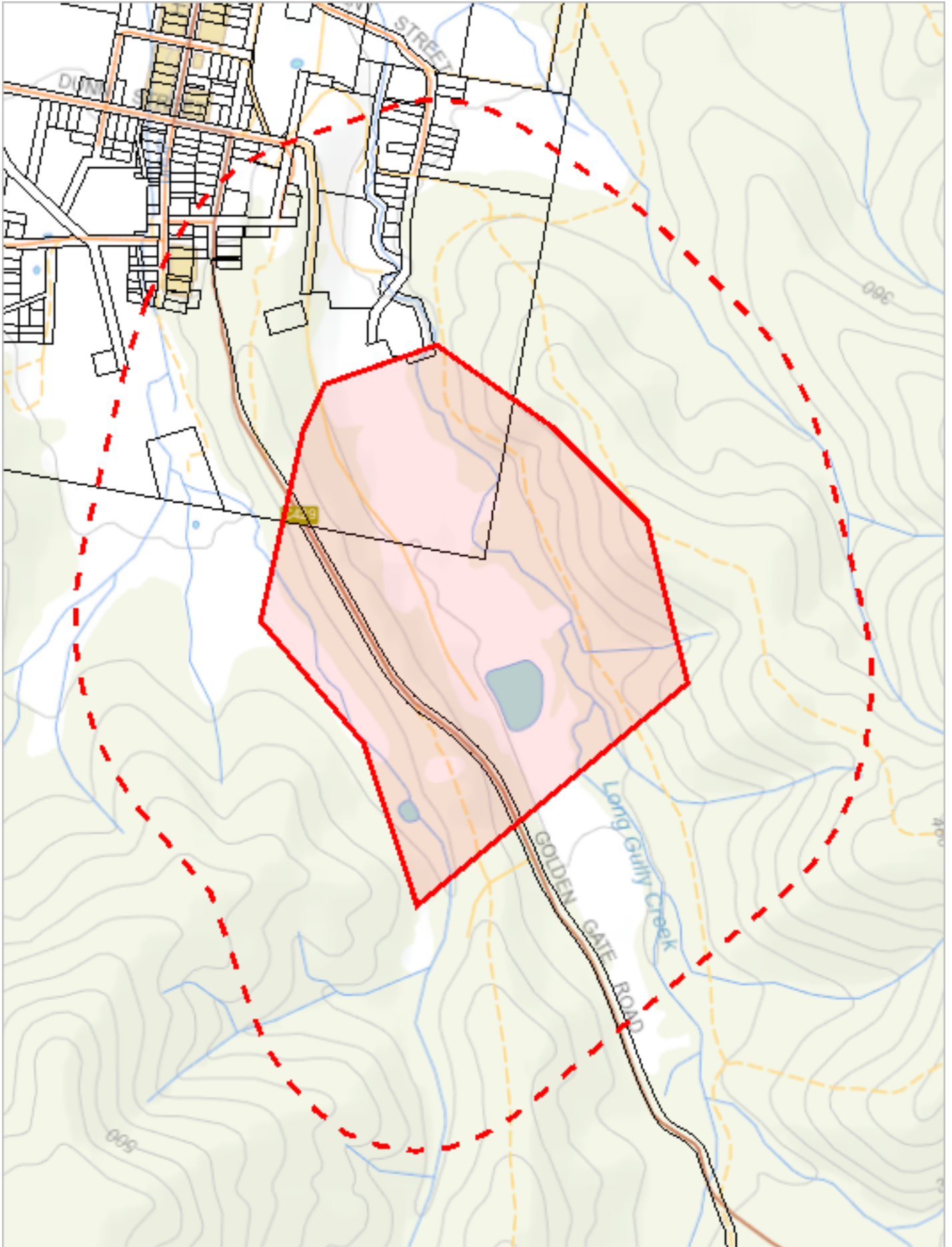
The centroid for this query GDA94: 574733.0, 5406736.0 falls within:

Property: 3386332

*** No threatened flora found within 500 metres ***

Threatened flora within 500 metres

*** No threatened flora found within 500 metres ***



573778, 5405411

Please note that some layers may not display at all requested map scales

Threatened fauna within 500 metres

Legend: Verified and Unverified observations

● Point Verified

● Point Unverified

— Line Verified

— Line Unverified

□ Polygon Verified

□ Polygon Unverified

Legend: Cadastral Parcels



Threatened fauna within 500 metres

Threatened fauna within 500 metres (based on Range Boundaries)

Species	Common Name	SS	NS	BO	Potential	Known	Core
<i>Litoria raniformis</i>	green and gold frog	v	VU	n	1	0	0
<i>Pseudemoia pagenstecheri</i>	tussock skink	v		n	1	0	0
<i>Aquila audax</i> subsp. <i>fleayi</i>	tasmanian wedge-tailed eagle	e	EN	e	1	0	0
<i>Tyto novaehollandiae</i> subsp. <i>castanops</i>	masked owl (tasmanian)	e	VU	e	1	0	1
<i>Antipodia chaostola</i>	chaostola skipper	e	EN		1	0	0
<i>Galaxias fontanus</i>	swan galaxias	e	EN	e	1	0	0
<i>Perameles gunnii</i>	eastern barred bandicoot		VU	n	1	0	1
<i>Dasyurus maculatus</i> subsp. <i>maculatus</i>	spotted-tail quoll	r	VU	n	1	0	0
<i>Dasyurus viverrinus</i>	eastern quoll		EN	n	0	0	1
<i>Sarcophilus harrisi</i>	tasmanian devil	e	EN	e	1	0	0
<i>Accipiter novaehollandiae</i>	grey goshawk	e		n	1	0	0
<i>Haliaeetus leucogaster</i>	white-bellied sea-eagle	v		n	1	0	0

For more information about threatened species, please contact Threatened Species Enquiries.

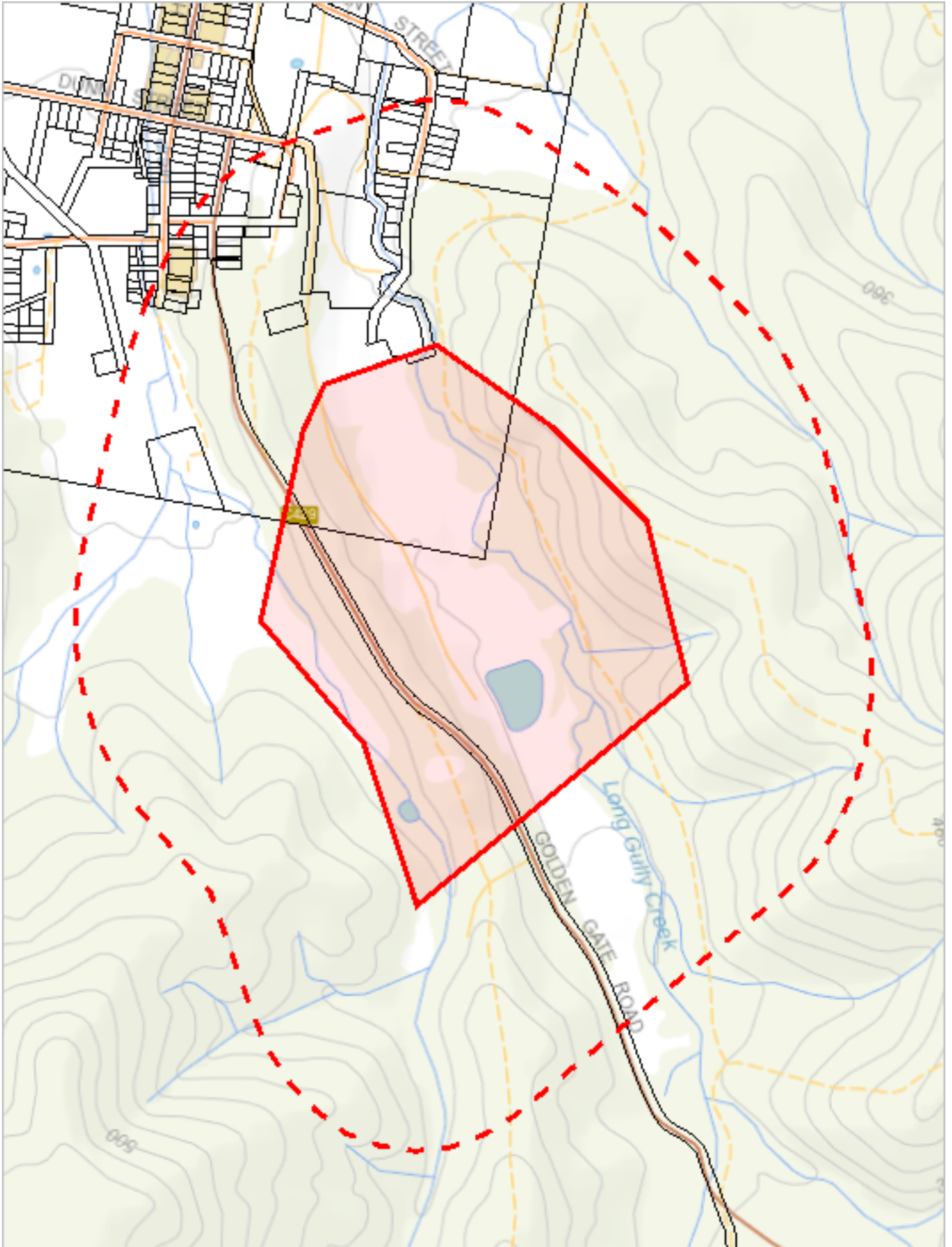
Telephone: 1300 368 550

Email: ThreatenedSpecies.Enquiries@dpiwve.tas.gov.au

Address: GPO Box 44, Hobart, Tasmania, Australia, 7000

Threatened fauna within 500 metres

575725, 5407964



573778, 5405411

Please note that some layers may not display at all requested map scales

Threatened fauna within 500 metres

Legend: Verified and Unverified observations

● Point Verified

● Point Unverified

— Line Verified

— Line Unverified

□ Polygon Verified

□ Polygon Unverified

Legend: Cadastral Parcels



Threatened fauna within 500 metres

Threatened fauna within 500 metres (based on Range Boundaries)

Species	Common Name	SS	NS	BO	Potential	Known	Core
<i>Litoria raniformis</i>	green and gold frog	v	VU	n	1	0	0
<i>Pseudemoia pagenstecheri</i>	tussock skink	v		n	1	0	0
<i>Aquila audax</i> subsp. <i>fleayi</i>	tasmanian wedge-tailed eagle	e	EN	e	1	0	0
<i>Tyto novaehollandiae</i> subsp. <i>castanops</i>	masked owl (tasmanian)	e	VU	e	1	0	1
<i>Antipodia chaostola</i>	chaostola skipper	e	EN		1	0	0
<i>Galaxias fontanus</i>	swan galaxias	e	EN	e	1	0	0
<i>Perameles gunnii</i>	eastern barred bandicoot		VU	n	1	0	1
<i>Dasyurus maculatus</i> subsp. <i>maculatus</i>	spotted-tail quoll	r	VU	n	1	0	0
<i>Dasyurus viverrinus</i>	eastern quoll		EN	n	0	0	1
<i>Sarcophilus harrisii</i>	tasmanian devil	e	EN	e	1	0	0
<i>Accipiter novaehollandiae</i>	grey goshawk	e		n	1	0	0
<i>Haliaeetus leucogaster</i>	white-bellied sea-eagle	v		n	1	0	0

For more information about threatened species, please contact Threatened Species Enquiries.

Telephone: 1300 368 550

Email: ThreatenedSpecies.Enquiries@dpiwve.tas.gov.au

Address: GPO Box 44, Hobart, Tasmania, Australia, 7000

*** No Raptor nests or sightings found within 500 metres. ***

*** No Raptor nests or sightings found within 500 metres. ***

*** No Tas Management Act Weeds found within 500 metres ***

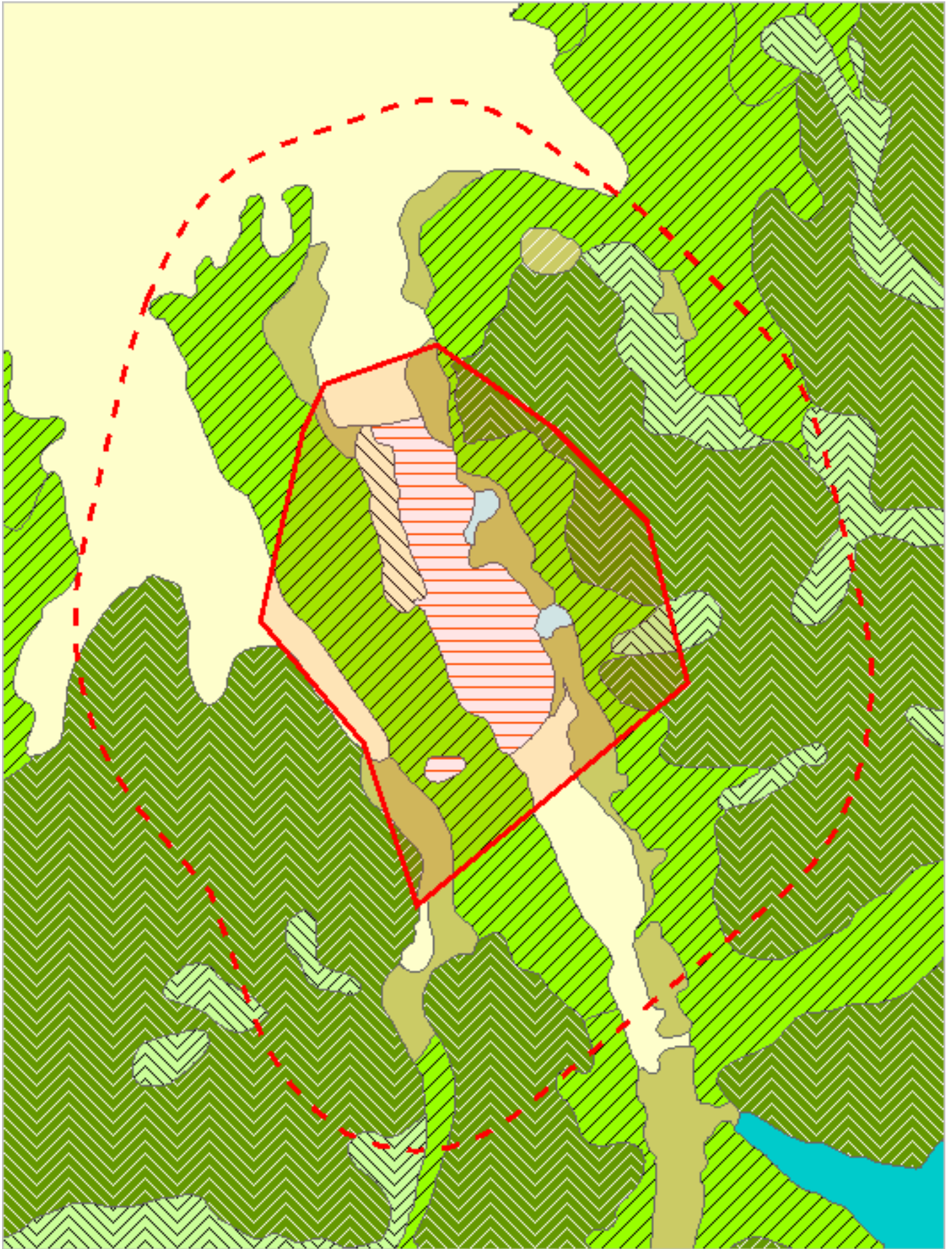
*** No Tas Management Act Weeds found within 500 metres ***

*** No Priority Weeds found within 500 metres ***

*** No Priority Weeds found within 500 metres ***

*** No Geoconservation sites found within 500 metres. ***

*** No Acid Sulfate Soils found within 500 metres ***






























































573778, 5405411






























































Please note that some layers may not display at all requested map scales

TASVEG 3.0 Communities within 500 metres








































Legend: TASVEG 3.0

	DAC - Eucalyptus amygdalina coastal forest and woodland
	DAD - Eucalyptus amygdalina forest and woodland on dolerite
	DAS - Eucalyptus amygdalina forest and woodland on sandstone
	DAM - Eucalyptus amygdalina forest on mudstone
	DAZ - Eucalyptus amygdalina inland forest and woodland on Cainozoic deposits
	DSC - Eucalyptus amygdalina - Eucalyptus obliqua damp sclerophyll forest
	DBA - Eucalyptus barberi forest and woodland
	DCO - Eucalyptus coccifera forest and woodland
	DCR - Eucalyptus cordata forest
	DDP - Eucalyptus dalrympleana - Eucalyptus pauciflora forest and woodland
	DDE - Eucalyptus delegatensis dry forest and woodland
	DGL - Eucalyptus globulus dry forest and woodland
	DGW - Eucalyptus gunnii woodland
	DMO - Eucalyptus morrisbyi forest and woodland
	DNI - Eucalyptus nitida dry forest and woodland
	DNF - Eucalyptus nitida Furneaux forest
	DOB - Eucalyptus obliqua dry forest
	DOV - Eucalyptus ovata forest and woodland
	DOW - Eucalyptus ovata heathy woodland
	DPO - Eucalyptus pauciflora forest and woodland not on dolerite
	DPD - Eucalyptus pauciflora forest and woodland on dolerite
	DPE - Eucalyptus perriniana forest and woodland
	DPU - Eucalyptus pulchella forest and woodland
	DRI - Eucalyptus risdonii forest and woodland
	DRO - Eucalyptus rodwayi forest and woodland
	DSO - Eucalyptus sieberi forest and woodland not on granite
	DSG - Eucalyptus sieberi forest and woodland on granite
	DTD - Eucalyptus tenuiramis forest and woodland on dolerite
	DTG - Eucalyptus tenuiramis forest and woodland on granite
	DTO - Eucalyptus tenuiramis forest and woodland on sediments
	DVF - Eucalyptus viminalis Furneaux forest and woodland
	DVG - Eucalyptus viminalis grassy forest and woodland
	DVC - Eucalyptus viminalis - Eucalyptus globulus coastal forest and woodland
	DKW - King Island Eucalypt woodland
	DMW - Midlands woodland complex
	WBR - Eucalyptus brookeriana wet forest
	WDA - Eucalyptus dalrympleana forest
	WDL - Eucalyptus delegatensis forest over Leptospermum
	WDR - Eucalyptus delegatensis forest over rainforest
	WDB - Eucalyptus delegatensis forest with broad-leaf shrubs
	WDU - Eucalyptus delegatensis wet forest (undifferentiated)
	WGG - Eucalyptus globulus King Island forest
	WGL - Eucalyptus globulus wet forest
	WNL - Eucalyptus nitida forest over Leptospermum
	WNR - Eucalyptus nitida forest over rainforest
	WNU - Eucalyptus nitida wet forest (undifferentiated)
	WOL - Eucalyptus obliqua forest over Leptospermum
	WOR - Eucalyptus obliqua forest over rainforest
	WOB - Eucalyptus obliqua forest with broad-leaf shrubs
	WOU - Eucalyptus obliqua wet forest (undifferentiated)
	WRE - Eucalyptus regnans forest
	WSU - Eucalyptus subcrenulata forest and woodland
	WVI - Eucalyptus viminalis wet forest
	RPF - Athrotaxis cupressoides - Nothofagus gunnii short rainforest
	RPW - Athrotaxis cupressoides open woodland
	RPP - Athrotaxis cupressoides rainforest
	RKF - Athrotaxis selaginoides - Nothofagus gunnii short rainforest
	RKP - Athrotaxis selaginoides rainforest
	RKS - Athrotaxis selaginoides subalpine scrub

TASVEG 3.0 Communities within 500 metres

	RCO - Coastal rainforest
	RSH - Highland low rainforest and scrub
	RKX - Highland rainforest scrub with dead Athrotaxis selaginoides
	RHP - Lagarostrobos franklinii rainforest and scrub
	RMT - Nothofagus - Atherosperma rainforest
	RML - Nothofagus - Leptospermum short rainforest
	RMS - Nothofagus - Phyllocladus short rainforest
	RFS - Nothofagus gunnii rainforest and scrub
	RMU - Nothofagus rainforest (undifferentiated)
	RFE - Rainforest fernland
	NAD - Acacia dealbata forest
	NAR - Acacia melanoxylon forest on rises
	NAF - Acacia melanoxylon swamp forest
	NAL - Allocasuarina littoralis forest
	NAV - Allocasuarina verticillata forest
	NBS - Banksia serrata woodland
	NBA - Bursaria - Acacia woodland and scrub
	NCR - Callitris rhomboidea forest
	NLE - Leptospermum forest
	NLM - Leptospermum lanigerum - Melaleuca squarrosa swamp forest
	NLA - Leptospermum scoparium - Acacia mucronata forest
	NME - Melaleuca ericifolia swamp forest
	NLN - Subalpine Leptospermum nitidum woodland
	AHF - Fresh water aquatic herbland
	ASF - Freshwater aquatic sedgeland and rushland
	AHL - Lacustrine herbland
	AHS - Saline aquatic herbland
	ARS - Saline sedgeland/rushland
	AUS - Saltmarsh (undifferentiated)
	ASS - Succulent saline herbland
	AWU - Wetland (undifferentiated)
	SAL - Acacia longifolia coastal scrub
	SBM - Banksia marginata wet scrub
	SBR - Broad-leaf scrub
	SCH - Coastal heathland
	SSC - Coastal scrub
	SCA - Coastal scrub on alkaline sands
	SRE - Eastern riparian scrub
	SED - Eastern scrub on dolerite
	SCL - Heathland on calcareous substrates
	SKA - Kunzea ambigua regrowth scrub
	SLG - Leptospermum glaucescens heathland and scrub
	SLL - Leptospermum lanigerum scrub
	SLS - Leptospermum scoparium heathland and scrub
	SLW - Leptospermum scrub
	SRF - Leptospermum with rainforest scrub
	SMP - Melaleuca pustulata scrub
	SMM - Melaleuca squamea heathland
	SMR - Melaleuca squarrosa scrub
	SRH - Rookery halophytic herbland
	SSK - Scrub complex on King Island
	SSZ - Spray zone coastal complex
	SHS - Subalpine heathland
	SWR - Western regrowth complex
	SSW - Western subalpine scrub
	SWW - Western wet scrub
	SHW - Wet heathland
	HCH - Alpine coniferous heathland
	HCM - Cushion moorland
	HHE - Eastern alpine heathland
	HSE - Eastern alpine sedgeland

TASVEG 3.0 Communities within 500 metres

-  HUE - Eastern alpine vegetation (undifferentiated)
-  HHW - Western alpine heathland
-  HSW - Western alpine sedgeland/herbland
-  MAP - Alkaline pans
-  MBU - Buttongrass moorland (undifferentiated)
-  MBS - Buttongrass moorland with emergent shrubs
-  MBE - Eastern buttongrass moorland
-  MGH - Highland grassy sedgeland
-  MBP - Pure buttongrass moorland
-  MRR - Restionaceae rushland
-  MBR - Sparse buttongrass moorland on slopes
-  MSP - Sphagnum peatland
-  MDS - Subalpine Diplarrena latifolia rushland
-  MBW - Western buttongrass moorland
-  MSW - Western lowland sedgeland
-  GHC - Coastal grass and herbfield
-  GPH - Highland Poa grassland
-  GCL - Lowland grassland complex
-  GSL - Lowland grassy sedgeland
-  GPL - Lowland Poa labillardierei grassland
-  GTL - Lowland Themeda triandra grassland
-  GRP - Rockplate grassland
-  FAG - Agricultural land
-  FUM - Extra-urban miscellaneous
-  FMG - Marram grassland
-  FPE - Permanent easements
-  FPL - Plantations for silviculture
-  FPF - Pteridium esculentum fernland
-  FRG - Regenerating cleared land
-  FSM - Spartina marshland
-  FPU - Unverified plantations for silviculture
-  FUR - Urban areas
-  FWU - Weed infestation
-  QCS - Coastal slope complex
-  QCT - Coastal terrace mosaic
-  QKB - Kelp beds
-  QAM - Macquarie alpine mosaic
-  QMI - Mire
-  QST - Short tussock grassland/rushland with herbs
-  QTT - Tall tussock grassland with megaherbs
-  ORO - Lichen lithosere
-  OSM - Sand, mud
-  OAQ - Water, sea

Legend: Cadastral Parcels



TASVEG 3.0 Communities within 500 metres

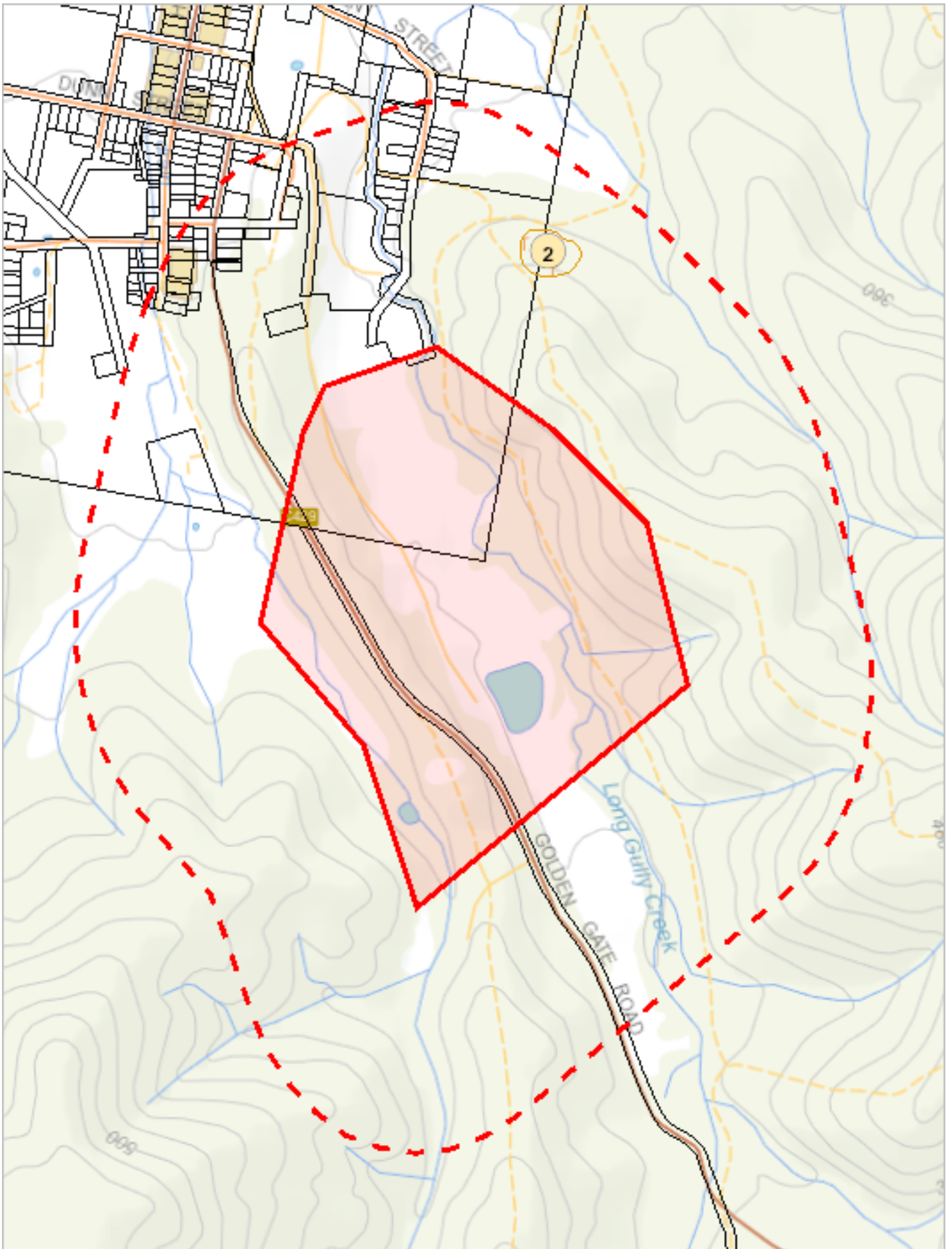
Code	Community	Emergent Species
DAM	(DAM) Eucalyptus amygdalina forest on mudstone	
DOB	(DOB) Eucalyptus obliqua dry forest	
DSO	(DSO) Eucalyptus sieberi forest and woodland not on granite	
FAG	(FAG) Agricultural land	
FRG	(FRG) Regenerating cleared land	
FUM	(FUM) Extra-urban miscellaneous	
NAD	(NAD) Acacia dealbata forest	
NAL	(NAL) Allocasuarina littoralis forest	
OAQ	(OAQ) Water, sea	

For more information contact: Coordinator, Tasmanian Vegetation Monitoring and Mapping Program.

Telephone: (03) 6165 4320

Email: TVMMPsupport@dpiwve.tas.gov.au

Address: GPO Box 44, Hobart, Tasmania, Australia, 7000



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Please note that some layers may not display at all requested map scales

Threatened Communities (TNVC 2014) within 500 metres

Legend: Threatened Communities

- 1 - Alkaline pans
- 2 - Allocasuarina littoralis forest
- 3 - Athrotaxis cupressoides/Nothofagus gunnii short rainforest
- 4 - Athrotaxis cupressoides open woodland
- 5 - Athrotaxis cupressoides rainforest
- 6 - Athrotaxis selaginoides/Nothofagus gunni short rainforest
- 7 - Athrotaxis selaginoides rainforest
- 8 - Athrotaxis selaginoides subalpine scrub
- 9 - Banksia marginata wet scrub
- 10 - Banksia serrata woodland
- 11 - Callitris rhomboidea forest
- 13 - Cushion moorland
- 14 - Eucalyptus amygdalina forest and woodland on sandstone
- 15 - Eucalyptus amygdalina inland forest and woodland on cainozoic deposits
- 16 - Eucalyptus brookeriana wet forest
- 17 - Eucalyptus globulus dry forest and woodland
- 18 - Eucalyptus globulus King Island forest
- 19 - Eucalyptus morrisbyi forest and woodland
- 20 - Eucalyptus ovata forest and woodland
- 21 - Eucalyptus risdonii forest and woodland
- 22 - Eucalyptus tenuiramis forest and woodland on sediments
- 23 - Eucalyptus viminalis - Eucalyptus globulus coastal forest and woodland
- 24 - Eucalyptus viminalis Furneaux forest and woodland
- 25 - Eucalyptus viminalis wet forest
- 26 - Heathland on calcareous substrates
- 27 - Heathland scrub complex at Wingaroo
- 28 - Highland grassy sedge land
- 29 - Highland Poa grassland
- 30 - Melaleuca ericifolia swamp forest
- 31 - Melaleuca pustulata scrub
- 32 - Notelaea - Pomaderris - Beyeria forest
- 33 - Rainforest fernland
- 34 - Riparian scrub
- 35 - Seabird rookery complex
- 36 - Sphagnum peatland
- 36A - Spray zone coastal complex
- 37 - Subalpine Diplarrena latifolia rushland
- 38 - Subalpine Leptospermum nitidum woodland
- 39 - Wetlands

Legend: Cadastral Parcels



Threatened Communities (TNVC 2014) within 500 metres

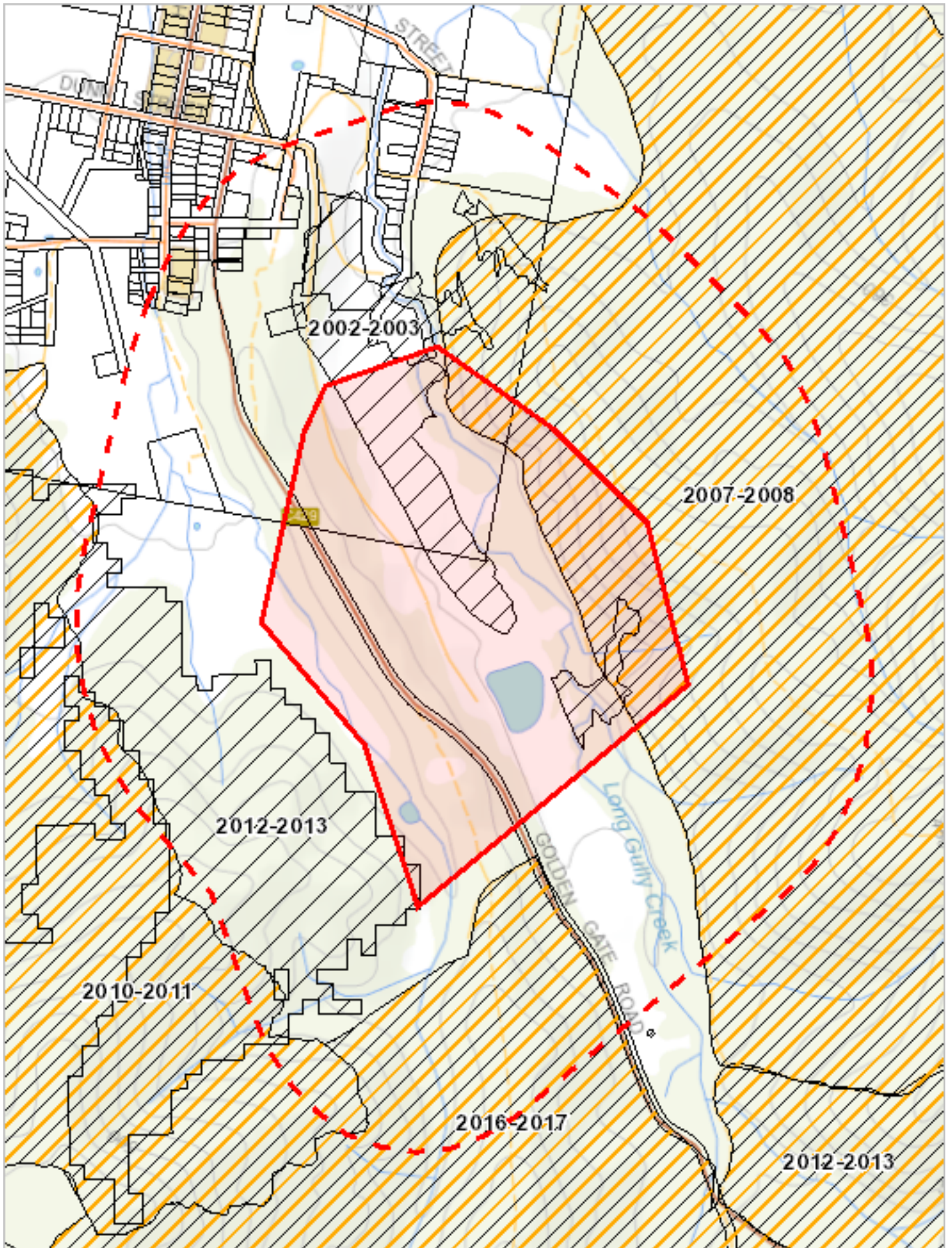
Scheduled Community Id	Scheduled Community Name
2	Allocasuarina littoralis forest

For more information contact: Coordinator, Tasmanian Vegetation Monitoring and Mapping Program.

Telephone: (03) 6165 4320

Email: TVMMPsupport@dipwe.tas.gov.au

Address: GPO Box 44, Hobart, Tasmania, Australia, 7000






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Please note that some layers may not display at all requested map scales

Fire History (All) within 500 metres

Legend: Fire History All

-  Bushfire-Unknown Category
-  Completed Planned Burn

-  Bushfire

Legend: Cadastral Parcels



Fire History (All) within 500 metres

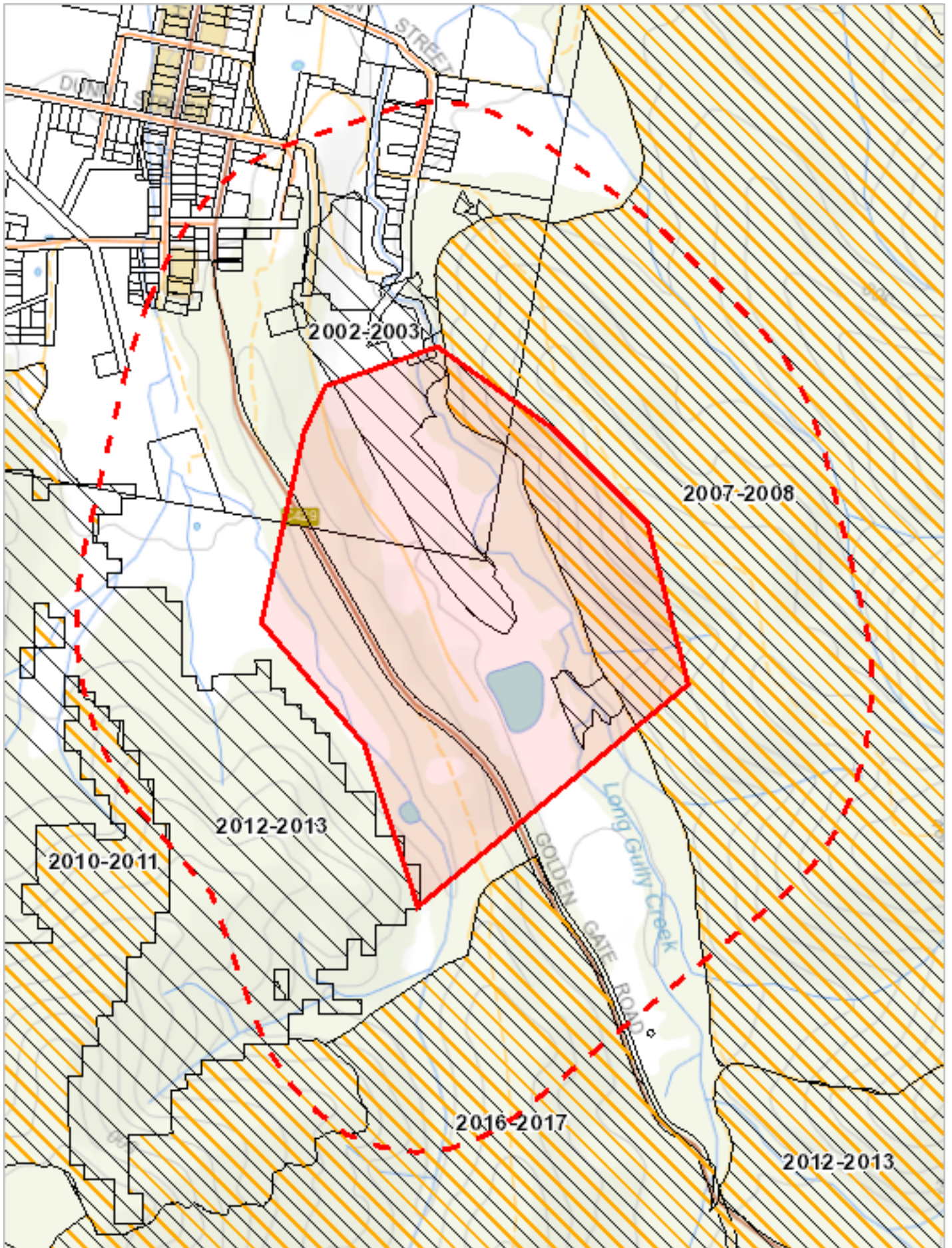
Incident Number	Fire Name	Ignition Date	Fire Type	Ignition Cause	Fire Area (HA)
202005	Bull Bottom	09-Jan-2013	Bushfire	Undetermined	134.6335263
208	Golden Gate (FT)	17-Mar-2003	Bushfire	Accidental	16.36195885
FNZ044BU	Long Ridge Road Mathinna	07-Dec-2016	Planned Burn	Planned Burn	453.23169946
	TOWER HILL Fires	30-Aug-2007	Planned Burn	Planned Burn	219.9648994
	TYNE Fires	14-Sep-2010	Planned Burn	Planned Burn	590.63901558

For more information about Fire History, please contact the Manager Community Protection Planning, Tasmania Fire Service.

Telephone: 1800 000 699

Email: planning@fire.tas.gov.au

Address: cnr Argyle and Melville Streets, Hobart, Tasmania, Australia, 7000






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Please note that some layers may not display at all requested map scales

Fire History (Last Burnt) within 500 metres

Legend: Fire History Last

-  Bushfire-Unknown category
-  Completed Planned Burn

 Bushfire

Legend: Cadastral Parcels



Fire History (Last Burnt) within 500 metres

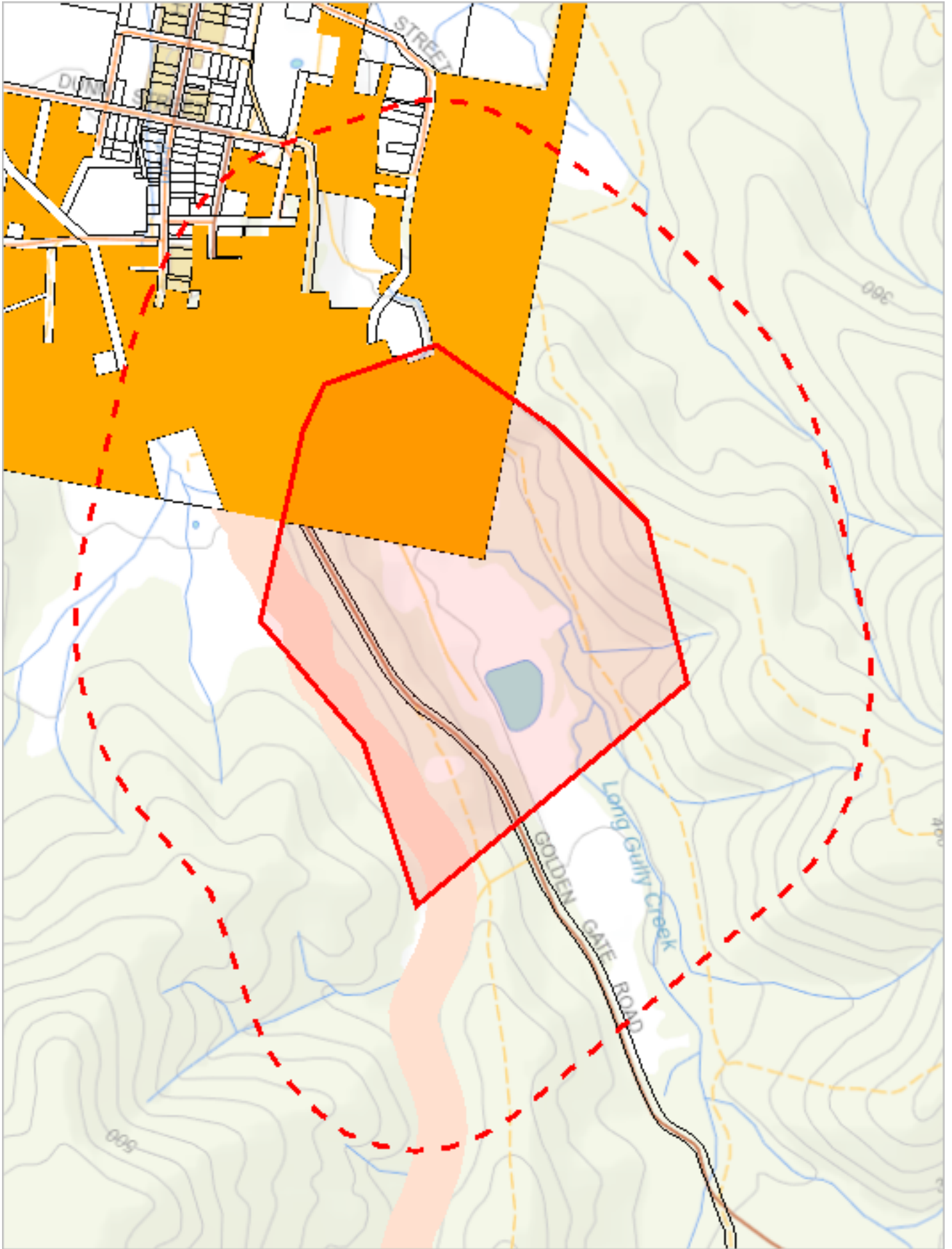
Incident Number	Fire Name	Ignition Date	Fire Type	Ignition Cause	Fire Area (HA)
202005	Bull Bottom	09-Jan-2013	Bushfire	Undetermined	134.6335263
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For more information about Fire History, please contact the Manager Community Protection Planning, Tasmania Fire Service.

Telephone: 1800 000 699

Email: planning@fire.tas.gov.au

Address: cnr Argyle and Melville Streets, Hobart, Tasmania, Australia, 7000




























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Please note that some layers may not display at all requested map scales

Reserves within 500 metres

Legend: Tasmanian Reserve Estate

-  Conservation Area
-  Conservation Area and Conservation Covenant (NCA)
-  Game Reserve
-  Historic Site
-  Indigenous Protected Area
-  National Park
-  Nature Reserve
-  Nature Recreation Area
-  Regional Reserve
-  State Reserve
-  Wellington Park
-  Public authority land within WHA
-  Future Potential Production Forest
-  Informal Reserve on Permanent Timber Production Zone Land or STT managed land
-  Informal Reserve on other public land
-  Conservation Covenant (NCA)
-  Private Nature Reserve and Conservation Covenant (NCA)
-  Private Sanctuary and Conservation Covenant (NCA)
-  Private Sanctuary
-  Private land within WHA
-  Management Agreement
-  Management Agreement and Stewardship Agreement
-  Stewardship Agreement
-  Part 5 Agreement (Meander Dam Offset)
-  Other Private Reserve

Legend: Cadastral Parcels



Reserves within 500 metres

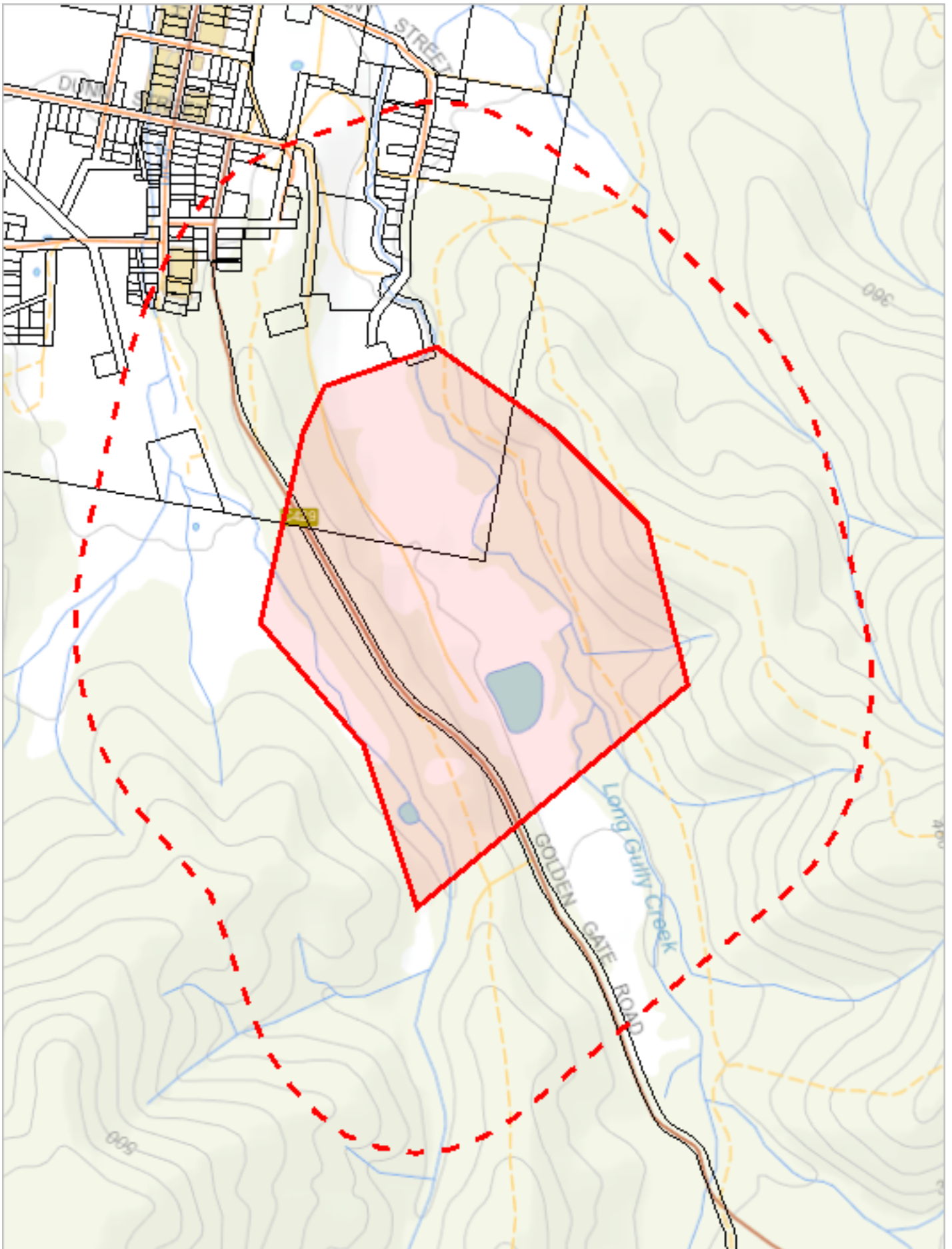
Name	Classification	Status	Area (HA)
	Informal Reserve on Permanent Timber Production Zone Land or STT managed land	Informal Reserve	216.467
	Informal Reserve on other public land	Informal Reserve	0.960094999 9999999
	Informal Reserve on other public land	Informal Reserve	4.86904
	Informal Reserve on other public land	Informal Reserve	101.927

For more information about the Tasmanian Reserve Estate, please contact the Sustainable Land Use and Information Management Branch.

Telephone: (03) 6777 2224

Email: LandManagement.Enquiries@dpiwae.tas.gov.au

Address: GPO Box 44, Hobart, Tasmania, Australia, 7000



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Please note that some layers may not display at all requested map scales

Known biosecurity risks within 500 meters

Legend: Biosecurity Risk Species

- Point Verified
- Point Unverified
- Polygon Verified
- Polygon Unverified
- Line Verified
- Line Unverified

Legend: Hygiene infrastructure

- Location Point Verified
- Location Point Unverified
- Location Line Unverified
- Location Line Verified
- Location Polygon Verified
- Location Polygon Unverified

Legend: Cadastral Parcels



Known biosecurity risks within 500 meters

Verified Species of biosecurity risk

No verified species of biosecurity risk found within 500 metres

Unverified Species of biosecurity risk

No unverified species of biosecurity risk found within 500 metres

Generic Biosecurity Guidelines

The level and type of hygiene protocols required will vary depending on the tenure, activity and land use of the area. In all cases adhere to the land manager's biosecurity (hygiene) protocols. As a minimum always Check / Clean / Dry (Disinfect) clothing and equipment before trips and between sites within a trip as needed <http://dpiwwe.tas.gov.au/invasive-species/weeds/weed-hygiene/keeping-it-clean-a-tasmanian-field-hygiene-manual>

On Reserved land, the more remote, infrequently visited and undisturbed areas require tighter biosecurity measures.

In addition, where susceptible species and communities are known to occur, tighter biosecurity measures are required.

Apply controls relevant to the area / activity:

- Don't access sites infested with pathogen or weed species unless absolutely necessary. If it is necessary to visit, adopt high level hygiene protocols.
- Consider not accessing non-infested sites containing known susceptible species / communities. If it is necessary to visit, adopt high level hygiene protocols.
- Don't undertake activities that might spread pest / pathogen / weed species such as deliberately moving soil or water between areas.
- Modify / restrict activities to reduce the chance of spreading pest / pathogen / weed species e.g. avoid periods when weeds are seeding, avoid clothing/equipment that excessively collects soil and plant material e.g. Velcro, excessive tread on boots.
- Plan routes to visit clean (uninfested) sites prior to dirty (infested) sites. Do not travel through infested areas when moving between sites.
- Minimise the movement of soil, water, plant material and hitchhiking wildlife between areas by using the Check / Clean / Dry (Disinfect when drying is not possible) procedure for all clothing, footwear, equipment, hand tools and vehicles <http://dpiwwe.tas.gov.au/invasive-species/weeds/weed-hygiene>
- Neoprene and netting can take 48 hours to dry, use non-porous gear wherever possible.
- Use walking track boot wash stations where available.
- Keep a hygiene kit in the vehicle that includes a scrubbing brush, boot pick, and disinfectant <http://dpiwwe.tas.gov.au/invasive-species/weeds/weed-hygiene/keeping-it-clean-a-tasmanian-field-hygiene-manual>
- Dispose of all freshwater away from natural water bodies e.g. do not empty water into streams or ponds.
- Dispose of used disinfectant ideally in town through a treatment or septic system. Always keep disinfectant well away from natural water systems.
- Securely contain any high risk pest / pathogen / weed species that must be collected and moved e.g. biological samples.

Hygiene Infrastructure

No known hygiene infrastructure found within 500 metres

Protected Matters Search Results

Appendix C

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EPBC Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected.

Information on the coverage of this report and qualifications on data supporting this report are contained in the caveat at the end of the report.

Information is available about [Environment Assessments](#) and the EPBC Act including significance guidelines, forms and application process details.

Report created: 15/08/19 10:43:07

[Summary](#)

[Details](#)

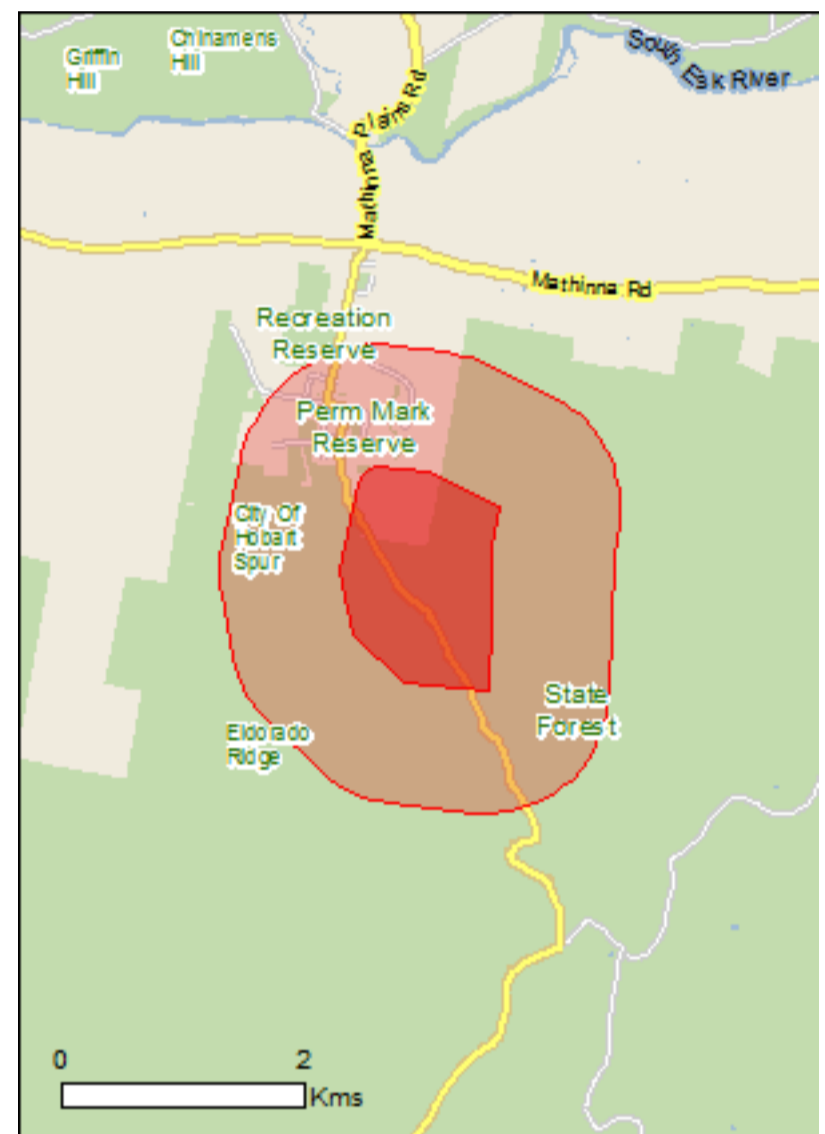
[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)



This map may contain data which are ©Commonwealth of Australia (Geoscience Australia), ©PSMA 2010

[Coordinates](#)

[Buffer: 1.0Km](#)



Summary

Matters of National Environmental Significance

This part of the report summarises the matters of national environmental significance that may occur in, or may relate to, the area you nominated. Further information is available in the detail part of the report, which can be accessed by scrolling or following the links below. If you are proposing to undertake an activity that may have a significant impact on one or more matters of national environmental significance then you should consider the [Administrative Guidelines on Significance](#).

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance:	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	1
Listed Threatened Species:	23
Listed Migratory Species:	10

Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the environment anywhere.

The EPBC Act protects the environment on Commonwealth land, the environment from the actions taken on Commonwealth land, and the environment from actions taken by Commonwealth agencies. As heritage values of a place are part of the 'environment', these aspects of the EPBC Act protect the Commonwealth Heritage values of a Commonwealth Heritage place. Information on the new heritage laws can be found at <http://www.environment.gov.au/heritage>

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Land:	1
Commonwealth Heritage Places:	None
Listed Marine Species:	14
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None

Extra Information

This part of the report provides information that may also be relevant to the area you have nominated.

State and Territory Reserves:	None
Regional Forest Agreements:	1
Invasive Species:	21
Nationally Important Wetlands:	None
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

Listed Threatened Ecological Communities

[[Resource Information](#)]

For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Name	Status	Type of Presence
Tasmanian Forests and Woodlands dominated by black gum or Brookers gum (Eucalyptus ovata / E. brookeriana)	Critically Endangered	Community likely to occur within area

Listed Threatened Species

[[Resource Information](#)]

Name	Status	Type of Presence
------	--------	------------------

Birds

Aquila audax fleayi Tasmanian Wedge-tailed Eagle, Wedge-tailed Eagle (Tasmanian) [64435]	Endangered	Breeding likely to occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Ceyx azureus diemenensis Tasmanian Azure Kingfisher [25977]	Endangered	Species or species habitat may occur within area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat likely to occur within area
Lathamus discolor Swift Parrot [744]	Critically Endangered	Breeding likely to occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Pterodroma leucoptera leucoptera Gould's Petrel, Australian Gould's Petrel [26033]	Endangered	Species or species habitat may occur within area
Tyto novaehollandiae castanops (Tasmanian population) Masked Owl (Tasmanian) [67051]	Vulnerable	Species or species habitat likely to occur within area

Fish

Prototroctes maraena Australian Grayling [26179]	Vulnerable	Species or species habitat may occur within area
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Frogs

Litoria raniformis Growling Grass Frog, Southern Bell Frog, Green and Golden Frog, Warty Swamp Frog [1828]	Vulnerable	Species or species habitat may occur within area
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Mammals

Name	Status	Type of Presence
Dasyurus maculatus maculatus (Tasmanian population) Spotted-tail Quoll, Spot-tailed Quoll, Tiger Quoll (Tasmanian population) [75183]	Vulnerable	Species or species habitat likely to occur within area
Dasyurus viverrinus Eastern Quoll, Luaner [333]	Endangered	Species or species habitat known to occur within area
Perameles gunnii gunnii Eastern Barred Bandicoot (Tasmania) [66651]	Vulnerable	Species or species habitat likely to occur within area
Sarcophilus harrisii Tasmanian Devil [299]	Endangered	Species or species habitat likely to occur within area

Plants

Barbarea australis Native Wintercress, Riverbed Wintercress [12540]	Endangered	Species or species habitat likely to occur within area
Caladenia caudata Tailed Spider-orchid [17067]	Vulnerable	Species or species habitat may occur within area
Colobanthus curtisiae Curtis' Colobanth [23961]	Vulnerable	Species or species habitat may occur within area
Epacris exserta South Esk Heath [19879]	Endangered	Species or species habitat likely to occur within area
Glycine latrobeana Clover Glycine, Purple Clover [13910]	Vulnerable	Species or species habitat likely to occur within area
Lepidium hyssopifolium Basalt Pepper-cress, Peppercress, Rubble Pepper-cress, Pepperweed [16542]	Endangered	Species or species habitat may occur within area
Prasophyllum apoxychilum Tapered Leek-orchid [64947]	Endangered	Species or species habitat may occur within area
Senecio psilocarpus Swamp Fireweed, Smooth-fruited Groundsel [64976]	Vulnerable	Species or species habitat likely to occur within area
Xerochrysum palustre Swamp Everlasting, Swamp Paper Daisy [76215]	Vulnerable	Species or species habitat likely to occur within area

Listed Migratory Species [\[Resource Information \]](#)

* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.

Name	Threatened	Type of Presence
Migratory Marine Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Migratory Terrestrial Species		
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat likely to occur within area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat likely to occur within area

Migratory Wetlands Species

Name	Threatened	Type of Presence
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat may occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat may occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]		Species or species habitat may occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat may occur within area

Other Matters Protected by the EPBC Act

Commonwealth Land [\[Resource Information \]](#)

The Commonwealth area listed below may indicate the presence of Commonwealth land in this vicinity. Due to the unreliability of the data source, all proposals should be checked as to whether it impacts on a Commonwealth area, before making a definitive decision. Contact the State or Territory government land department for further information.

Name
Commonwealth Land -

Listed Marine Species [\[Resource Information \]](#)

* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.

Name	Threatened	Type of Presence
Birds		
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat may occur within area
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardea alba Great Egret, White Egret [59541]		Species or species habitat likely to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat may occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Calidris melanotos Pectoral Sandpiper [858]		Species or species

Name	Threatened	Type of Presence
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]		habitat may occur within area Species or species habitat may occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat likely to occur within area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat likely to occur within area
Lathamus discolor Swift Parrot [744]	Critically Endangered	Breeding likely to occur within area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat likely to occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat may occur within area

Extra Information

Regional Forest Agreements [\[Resource Information \]](#)

Note that all areas with completed RFAs have been included.

Name	State
Tasmania RFA	Tasmania

Invasive Species [\[Resource Information \]](#)

Weeds reported here are the 20 species of national significance (WoNS), along with other introduced plants that are considered by the States and Territories to pose a particularly significant threat to biodiversity. The following feral animals are reported: Goat, Red Fox, Cat, Rabbit, Pig, Water Buffalo and Cane Toad. Maps from Landscape Health Project, National Land and Water Resources Audit, 2001.

Name	Status	Type of Presence
Birds		
Alauda arvensis Skylark [656]		Species or species habitat likely to occur within area
Anas platyrhynchos Mallard [974]		Species or species habitat likely to occur within area
Carduelis carduelis European Goldfinch [403]		Species or species habitat likely to occur within area
Carduelis chloris European Greenfinch [404]		Species or species habitat likely to occur within area
Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
Passer domesticus House Sparrow [405]		Species or species habitat likely to occur within area

Name	Status	Type of Presence
Streptopelia chinensis Spotted Turtle-Dove [780]		Species or species habitat likely to occur within area
Sturnus vulgaris Common Starling [389]		Species or species habitat likely to occur within area
Turdus merula Common Blackbird, Eurasian Blackbird [596]		Species or species habitat likely to occur within area
Mammals		
Canis lupus familiaris Domestic Dog [82654]		Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
Lepus capensis Brown Hare [127]		Species or species habitat likely to occur within area
Mus musculus House Mouse [120]		Species or species habitat likely to occur within area
Oryctolagus cuniculus Rabbit, European Rabbit [128]		Species or species habitat likely to occur within area
Rattus norvegicus Brown Rat, Norway Rat [83]		Species or species habitat likely to occur within area
Vulpes vulpes Red Fox, Fox [18]		Species or species habitat likely to occur within area
Plants		
Cytisus scoparius Broom, English Broom, Scotch Broom, Common Broom, Scottish Broom, Spanish Broom [5934]		Species or species habitat likely to occur within area
Genista monspessulana Montpellier Broom, Cape Broom, Canary Broom, Common Broom, French Broom, Soft Broom [20126]		Species or species habitat likely to occur within area
Rubus fruticosus aggregate Blackberry, European Blackberry [68406]		Species or species habitat likely to occur within area
Salix spp. except S.babylonica, S.x calodendron & S.x reichardtii Willows except Weeping Willow, Pussy Willow and Sterile Pussy Willow [68497]		Species or species habitat likely to occur within area
Ulex europaeus Gorse, Furze [7693]		Species or species habitat likely to occur within area

Caveat

The information presented in this report has been provided by a range of data sources as acknowledged at the end of the report.

This report is designed to assist in identifying the locations of places which may be relevant in determining obligations under the Environment Protection and Biodiversity Conservation Act 1999. It holds mapped locations of World and National Heritage properties, Wetlands of International and National Importance, Commonwealth and State/Territory reserves, listed threatened, migratory and marine species and listed threatened ecological communities. Mapping of Commonwealth land is not complete at this stage. Maps have been collated from a range of sources at various resolutions.

Not all species listed under the EPBC Act have been mapped (see below) and therefore a report is a general guide only. Where available data supports mapping, the type of presence that can be determined from the data is indicated in general terms. People using this information in making a referral may need to consider the qualifications below and may need to seek and consider other information sources.

For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Threatened, migratory and marine species distributions have been derived through a variety of methods. Where distributions are well known and if time permits, maps are derived using either thematic spatial data (i.e. vegetation, soils, geology, elevation, aspect, terrain, etc) together with point locations and described habitat; or environmental modelling (MAXENT or BIOCLIM habitat modelling) using point locations and environmental data layers.

Where very little information is available for species or large number of maps are required in a short time-frame, maps are derived either from 0.04 or 0.02 decimal degree cells; by an automated process using polygon capture techniques (static two kilometre grid cells, alpha-hull and convex hull); or captured manually or by using topographic features (national park boundaries, islands, etc). In the early stages of the distribution mapping process (1999-early 2000s) distributions were defined by degree blocks, 100K or 250K map sheets to rapidly create distribution maps. More reliable distribution mapping methods are used to update these distributions as time permits.

Only selected species covered by the following provisions of the EPBC Act have been mapped:

- migratory and
- marine

The following species and ecological communities have not been mapped and do not appear in reports produced from this database:

- threatened species listed as extinct or considered as vagrants
- some species and ecological communities that have only recently been listed
- some terrestrial species that overfly the Commonwealth marine area
- migratory species that are very widespread, vagrant, or only occur in small numbers

The following groups have been mapped, but may not cover the complete distribution of the species:

- non-threatened seabirds which have only been mapped for recorded breeding sites
- seals which have only been mapped for breeding sites near the Australian continent

Such breeding sites may be important for the protection of the Commonwealth Marine environment.

Coordinates

-41.48313 147.890416,-41.482455 147.890974,-41.482101 147.891875,-41.482519 147.895823,-41.48432 147.900845,-41.486667 147.900415,-41.494703 147.900029,-41.494189 147.893763,-41.491521 147.889944,-41.488017 147.889086,-41.48313 147.890416

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- [-Office of Environment and Heritage, New South Wales](#)
- [-Department of Environment and Primary Industries, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment, Water and Natural Resources, South Australia](#)
- [-Department of Land and Resource Management, Northern Territory](#)
- [-Department of Environmental and Heritage Protection, Queensland](#)
- [-Department of Parks and Wildlife, Western Australia](#)
- [-Environment and Planning Directorate, ACT](#)
- [-Birdlife Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- [-Natural history museums of Australia](#)
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-South Australian Museum](#)
- [-Queensland Museum](#)
- [-Online Zoological Collections of Australian Museums](#)
- [-Queensland Herbarium](#)
- [-National Herbarium of NSW](#)
- [-Royal Botanic Gardens and National Herbarium of Victoria](#)
- [-Tasmanian Herbarium](#)
- [-State Herbarium of South Australia](#)
- [-Northern Territory Herbarium](#)
- [-Western Australian Herbarium](#)
- [-Australian National Herbarium, Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence Forestry Corporation, NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- [-Australian Tropical Herbarium, Cairns](#)
- [-eBird Australia](#)
- [-Australian Government – Australian Antarctic Data Centre](#)
- [-Museum and Art Gallery of the Northern Territory](#)
- [-Australian Government National Environmental Science Program](#)
- [-Australian Institute of Marine Science](#)
- [-Reef Life Survey Australia](#)
- [-American Museum of Natural History](#)
- [-Queen Victoria Museum and Art Gallery, Inveresk, Tasmania](#)
- [-Tasmanian Museum and Art Gallery, Hobart, Tasmania](#)
- [-Other groups and individuals](#)

The Department is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

Please feel free to provide feedback via the [Contact Us](#) page.

Site Photos

Appendix D

Contact

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