Appendix 1
Flora Likelihood of Occurrence

Table 0-1 – Threatened flora likelihood of occurrence

Notes: EPBC-T = threatened species under EPBC Act; #- Species listed as threatened under the EPBC Act after the referral decision was made (2 June 2020) therefore not required to be assessed as a MNES in accordance with Section 158A(4) of the EPBC Act; FFG = threatened species under the FFG Act; Conservation status = Cr – critically endangered, En – endangered, Vu - vulnerable

Common name	Scientific name	Conservation status		Record #, (Year)	Likelihood of occurrence	Rationale
		EPBC Act	FFG Act			
Sticky Wattle	*Acacia howittii*	-	Vu	3, VBA (2023)	**Possible**	Three records of the species exist within 5 km of the alignment. High quality stringybark-box forest occurs in Woodside H28 Bushland Reserve that is close to the existing records and may be suitable for the species. Sticky Wattle is endemic to Victoria, with a distribution that extends across most of the southern half of the state. It has been recorded from the western state border near Edenhope to its most easterly distribution north-west of Bairnsdale. The species prefers moist forest and has records across the Strzelecki ranges. There are four contemporary (2000–2023) VBA records located west of the South Gippsland Highway within Mullungdung State Forest approximately 2–4 km west of the alignment.
River Swamp Wallaby-grass	*Amphibromus fluitans*	Vu	-	PMST	**Possible**	No records exist within 5 km of the alignment. However, the species is widespread an occurs in disturbed and variable aquatic habitats. The species was not observed during targeted surveys that focussed on suitable habitat (e.g. natural and man-made wetlands within the project). The River Swamp Wallaby-grass distribution extends across southern New South Wales, Victoria, South Australia, Tasmania and New Zealand. In southern Victoria (the west Gippsland NRM region), it is known from several localities, including Rosedale (rail corridor), Meeniyan, Moe and Wonthaggi. It inhabits a range of natural and man-made waterbodies, including swamps, lagoons, billabongs and dams, and normally occurs on moderately fertile soils that support areas of bare ground (DEWHA 2008).
Veined Spear-grass	*Austrostipa rudis subsp. australis*	-	En	1, VBA (2000)	**Possible**	One record exists within 5 km of the alignment near Giffard. The area consists of open-forest and sandy soils that appear suitable for the species. Targeted surveys of suitable roadsides and grassy woodland occurred in 2023 and 2024, but the species was not recorded.

Common name	Scientific name	Conservation status		Record #, (Year)	Likelihood of occurrence	Rationale
		EPBC Act	FFG Act			
						Veined Spear-grass is an uncommon subspecies of *Austrostipa rudis*. It occurs through NSW into Victoria and down to Tasmania. In Victoria, it occurs in most southern parts of the state at moderate altitudes where there is open forest on sandy or sandstone-derived soils.
Orange-tip Finger-orchid	*Caladenia aurantiaca*	-	En	3, VBA (2003)	**Possible**	Three records from within 5 km of the project area. Species habitat comprises coastal to near-coastal heaths, grasslands and open woodlands. The species is cryptic, and suitable habitat may occur within the project area. This habitat includes high-quality Plains Grassy Forest at KP 10.00-12.85 in Woodside H28 Bushland Reserve that is associated with the nearby Mullungdung State Forest and may also occur in roadside reserves across the project area. Species habitat comprises coastal to near-coastal heaths, grasslands and open woodlands (VicFlora 2015a).
Thick-lipped Spider-orchid	*Caladenia tessellata*	Vu	-	PMST	**Possible**	No records within 5 km of the project area; however, there is a citizen science (iNaturalist) record located along the South Gippsland Highway. The species is cryptic, and suitable habitat may include Coastal Scrub and Damp Sands Herb Rich Woodland near the coast at KP 0-0.5 and patches of Lowland Forest and Heathy Woodland on roadside reserves occurring between KP 21.00-29.00. The species is cryptic, and little is known about the exact habitat requirements. In Victoria, the species is known to occupy heathlands, heathy woodlands, grassy woodlands and grass or sedge-dominated open forests on sand and clay loams (Duncan 2010a). A population is known from Yarram, with less than 10 plants known from this population.
Slender Pink-fingers	*Caladenia vulgaris*	-	Vu	Not recorded	**Possible**	The species was not identified by the VBA or PMST, but habitat database searches and on ground knowledge suggest habitat is suitable for the species. However, the species was not recorded on targeted surveys. Slender Pink-fingers is a widespread but uncommon species of orchid across southern Victoria. The species is found across a range of moisture-retentive sandy

Common name	Scientific name	Conservation status		Record #, (Year)	Likelihood of occurrence	Rationale
		EPBC Act	FFG Act			
						soils, it appears to preference heathlands and coastal scrub where it can become locally common.
Dwarf Kerrawang	*Commersonia prostrata*	En	En	24, VBA (2010); PMST	**Possible**	The species was recorded within the Giffard (Rifle Range) Flora Reserve on the fringe of Sedge Wetland EVC. The species records were observed within a known population of the species. The species occurs in association with ephemeral wetlands and the fringes of larger wetlands on peaty soils and dominated by Lepidosperma species (Carter and Walsh, 2010). The species was not detected during targeted surveys. It is considered unlikely a population of Dwarf Kerrawang would be impacted. Dwarf Kerrawang distribution extends from Rosedale, Victoria to the central coast of New South Wales. Recent records of the species within the referral area indicate the species range extends west of Rosedale. Habitat for the species includes ephemeral wetlands and lake margins where it grows on peaty soils in association with *Leptospermum continentale* and a groundcover of Blady Grass *Imperata cylindrca* and sedge species, such as *Lepidosperma* spp. and Spreading Rope-rush *Empodisma minus* (Carter and Walsh 2010). A population of Dwarf Kerrawang was recorded within Giffard (Rifle Range) Flora and Fauna Reserve on the edge of Sedge Wetland EVC located approximately 5 km from the proposed alignment. This population is the Monkey Creek/Clements Road population listed in the National Recovery Plan for the Dwarf Kerrawang (Carter and Walsh, 2010). Approximately 150 individual plants were recorded during the population count. Outside of the population count area, a single Dwarf Kerrawang plant was recorded in non-native vegetation along an access track close to the Monkey Creek/Clements Road population, outside of the project area.
Pale Swamp Everlasting	*Coronidium gunnianum*	-	Cr	Not recorded	**Recorded**	The species grows in places prone to inundation such as fringes of ponds, lakes, and drainage. The species is known from records north of the alignment near Longford, but not within 5 km of the alignment. Suitable habitat occurs along the

Common name	Scientific name	Conservation status		Record #, (Year)	Likelihood of occurrence	Rationale
		EPBC Act	FFG Act			
						alignment in and near drainage lines and in Swamp Scrub EVC. The species was located along Lyons Road growing beside drainage in Swamp Scrub EVC in 2024 targeted surveys. The species occurs across most of southern Victoria. It typically grows in areas that are prone to inundation such as the fringing margins of wetlands and dams. The species may occur in damp areas within drainage depressions.
Fringed Helmet-orchid	*Corybas fimbriatus*	-	En	2, VBA (2023)	**Possible**	Two records exist within 5 km of the project area. The species typically forms colonies in coastal scrub, heathland/heathy woodland EVCs and sclerophyll forest valleys usually on damp, shaded sandy soils. The species wasn't recorded during field surveys, but potential habitat includes patches of Heathy Woodland EVC and Lowland Forest EVC scattered between KP 21.00-29.00. The species typically forms colonies in coastal scrub, heathland and Heathy woodland EVCs and also sclerophyll forest valleys usually on damp, shaded sandy soils. This species has been recorded recently within the dense scrub of the Mullungdung State Forest on the western side of the South Gippsland Highway. While records exist within 5km of the project area boundary, these are associated with large, largely untouched bushland areas that don't occur within the project area boundary.
Bear's-ear	*Cymbonotus lawsonianus*	-	En	Not recorded	**Possible**	The species was not identified by the VBA or PMST, but habitat database searches and on ground knowledge suggest habitat is suitable for the species. The species occurs in scattered occurrences within woodland communities across most of Victoria. Due to the non-specific preference in the species habitat, it may be considered to potentially occur across woodland EVC's in the alignment. Records of the species in the area are confined mostly to the west of the Strzelecki ranges.
Matted Flax-lily	*Dianella amoena*	En	Cr	2, VBA (2006); PMST	**Possible**	Species was recorded during a targeted flora survey program in 2020. The species was recorded within Plains Grassland EVC along Stringy Bark Lane east of where the project area crosses Stringy Bark Lane at KP 7.70. Matted Flax-lily have been

Common name	Scientific name	Conservation status		Record #, (Year)	Likelihood of occurrence	Rationale
		EPBC Act	FFG Act			
						avoided by the project as part of refinements to the detailed design and it is considered unlikely that the population of Matted Flax-lily would be impacted. The species occurs in both Victoria and Tasmania. In Victoria, the species exhibits a patchy distribution that extends from the Victorian Volcanic Plains in the west of the state to the South Eastern Highlands in the east and also includes the Victorian midlands. The species occurs in native grasslands and grassy woodlands but can also persist in degraded grasslands with a high cover of exotic species. Soil types suitable to support the species includes well-drained to wet fertile sandy loams and heavy cracking clays.
Pale Flax-lily	*Dianella longifolia var. grandis s.l.*	-	Cr	1, VBA (2000)	**Possible**	Species has been recorded once within 5 km of the alignment. The alignment runs through open pasture within proximity of the records, but roadside reserves may contain suitable habitat for the species. Targeted surveys did not record the species within the project area. The species occurs in Victoria, SA, NSW, and QLD. In Victoria, the species occurs across the majority of the state except in the north-west. The species is apparently rare in south-east Gippsland with few records existing. Pale Flax-lily grows in lowland grasslands and grassy woodlands, and it has been historically recorded on Giffard Road within modelled Plains Grassy Forest habitat which is within 5km proximity of the alignment.
Purple Donkey Orchid	*Diuris punctata*	-	En	2, VBA (2003)	**Possible**	The species grows on the fertile lowland soils where grasslands and grassy woodlands occur. Records are notably absent in areas of sandy soils that poorly retain water. Two records occur on Giffard Road north of the alignment, likely representing a small local population on a roadside. The species was targeted in several grassy roadside reserves, but no individuals were recorded. The species occurs across most of Victoria except for the far north-west. The species occurs in open forest, woodlands, and grasslands of fertile lowland soils. Populations of the species occur on roadside reserves west of Sale and Longford, while few records exist south of there. Suitable habitat occurs in remnant grassy woodland EVC types.

Common name	Scientific name	Conservation status		Record #, (Year)	Likelihood of occurrence	Rationale
		EPBC Act	FFG Act			
Trailing Hop-bush	*Dodonaea procumbens*	Vu	-	PMST	**Possible**	The species is considered exceedingly rare in the area and no records are known closer to the alignment. However, due to the wide variety of habitats suitable to the species it was included in targeted surveys, but no individuals were recorded between 2020 to 2025. The species is chiefly found in the south-western part of the state but is apparently very rare in the east near Sale. The species grows on lower often winter-wet areas in woodland, low-open forest and grasslands where the soil is sand and clay based. While there are no historical records for this species within the area, this species had the possibility of occurring within the study area due to the wide variety of suitable habitats for this species.
Gippsland Lakes Peppermint	*Eucalyptus arenicola*	-	En	4, VBA (2000)	**Possible**	Species occurs in coastal and near-coastal areas in the Gippsland Lakes on sandy soils. There are four records within 5 km of the project area and scattered records for the species throughout Heathy Woodland, Lowland Forest and Damp Sands Herb-rich Woodland EVCs. The records are almost all associated with bushland north of the alignment, but south of Monkey Creek. Lowland Forest and Heathy Woodland between KP 21.00-29.00 may be suitable habitat for the species. No individuals were recorded in targeted surveys of the current alignment. The species habitat distribution includes coastal and near-coastal areas within the Gippsland Lakes and surrounds on sandy soils (VicFlora 2018a).
Coast Grey-box	*Eucalyptus bosistoana*	-	En	29, VBA (2023)	**Recorded**	Species was recorded during a targeted flora survey program in 2020 at KP 10.70-11.40 within Woodside H28 Bushland Reserve (Plains Grassy Forest EVC). Further individuals were recorded after alignment changes in 2024 within forest associated with Woodside H28 Bushland Reserve. Twenty-two individuals were recorded on the edge of the Woodside H28 Bushland Reserve, adjacent to the project area. Two individuals were recorded within HZ30 and HZ51 along the South Gippsland Highway, as well as three individuals within and adjacent to HZ26. Coast Grey-box habitat includes near-coastal forests on loamy soils which extend east of Woodside and into the Gippsland Lakes region. To the east of the state, its

Common name	Scientific name	Conservation status		Record #, (Year)	Likelihood of occurrence	Rationale
		EPBC Act	FFG Act			
						distribution extends further inland along the Cann and Genoa River valleys (VicFlora 2015).
Green Scentbark	*Eucalyptus fulgens*	-	En	2, VBA (2003)	**Possible**	Two records of the species within 5 km of the project area are known, the species is thought to be native to Holey Plains State Park and the Giffard Nature Conservation Reserve. The species was not recorded during field surveys; however, potential habitat for the species may occur within any roadside reserves in the north with high-quality Lowland Forest vegetation. The species distribution includes Healesville and Woori Yallock and extends to the La Trobe Valley. It is typically found inland but there are scattered occurrences closer to the Gippsland coast (VicFlora 2019).
Bog Gum	*Eucalyptus kitsoniana*	-	Cr	Not recorded	**Unlikely**	In Victoria the species typically occurs in coastal lowlands from Yarram to Cape Otway. The one record within 5 km of the project area that is within Woodside H28 Bushland Reserve was later corrected due to GPS coordinate errors and the specimen was actually recorded past Foster further than 5 km from the alignment. It is now considered unlikely to occur due to habitat preference. The species was surveyed for in 2020 and 2021 and not recorded during field surveys. The species is a Victorian endemic and prefers to occur on vegetation within the coastal lowlands. Apparently rare in the area east of the Strzelecki ranges, one record occurred within the Woodside H28 Bushland Reserve adjacent to the study area. However, between 2023-2024 the single nearby record on the VBA was corrected to no longer represent Bog Gum. The record is from nearby Foster ~50 km to the west.
Clover Glycine	*Glycine latrobeana*	Vu	Vu	PMST	**Unlikely**	No records within 5 km of the project area. The species was not observed during targeted searches of Plains Grassland EVC and is considered unlikely to occur within the project area.

Common name	Scientific name	Conservation status		Record #, (Year)	Likelihood of occurrence	Rationale
		EPBC Act	FFG Act			
Golden Grevillea	*Grevillea chrysophaea*	-	Vu	2, VBA (2000)	**Unlikely**	Two records within 5 km of the project area occur within Mullungdung State Forest to the west. The species was not observed during targeted surveys. Habitat in the lowland area is unlikely to be suitable for the species.
Creeping Rush	*Juncus revolutus*	-	En	Not recorded	**Possible**	The species was not identified by the VBA or PMST, but habitat database searches and on ground knowledge suggest habitat is suitable for the species. Known along much of the south-east Victorian coastline, it has potential to occur in high quality coastal vegetation in the project area. The species was not recorded by VBA or PMST searches but habitat database searches suggest suitability for the species along coastal habitat in the project area. The species prefers coastal or saline habitats and is known from near or along the coastline.
Salt Blown-grass	*Lachnagrostis robusta*	-	En	Not recorded	**Possible**	The species was not identified by the VBA or PMST, but habitat database searches and on ground knowledge suggest habitat is suitable for the species. The species is known from saline areas along the coastline nearby the project area. The species was not recorded by VBA or PMST searches but habitat database searches suggest suitability for the species along coastal habitat in the project area. The species prefers coastal or saline habitats and is known from near or along the coastline.
Purple Blown-grass	*Lachnagrostis semibarbata var. semibarbata*	-	En	5, VBA (2000)	**Possible**	In eastern Victoria the species typically occurs in Plains Grassland EVCs in brackish, swampy sites. The species has previously been recorded along Stringy Bark Lane during Basslink Interconnector surveys (Biosis, 2000). The species was not recorded during field surveys within Plains Grassland habitat, but the species has been recorded around Giffard and south of Traralgon. The Purple Blown-grass is listed as Endangered under the FFG Act. The species is scattered across southern Victoria with the majority of known records from grasslands and somewhat saline depressions in the west. The species is also known from slightly brackish swamps and wet areas south of Sale. Known records for the

Common name	Scientific name	Conservation status		Record #, (Year)	Likelihood of occurrence	Rationale
		EPBC Act	FFG Act			
						species occur around Stringybark Lane east of the alignment, and a record is known from the South Gippsland Highway north-west of this location.
Basalt Pepper-cress	*Lepidium hyssopifolium*	En	En	PMST	**Unlikely**	No records within 5 km of the project area. The species is known from the Victorian Volcanic Plain and habitat within the project area is not considered suitable for the species.
Lanky Buttons	*Leptorhynchos elongatus*	-	En	1, VBA (1994)	**Possible**	One record of the species is within 5 km of the alignment associated with Heathy Woodland EVC near Monkey Creek. The species may occur in Heathy Woodland or other intact roadside reserve vegetation across much of the alignment. Largely confined in Victoria to eastern uplands; however, there is one record from Giffard Flora Reserve, just north of the study area. Typical of Grassy Woodland type EVCs.
Dune Wood-sorrel	*Oxalis rubens*	-	En	2, VBA (2003)	**Recorded**	Records for the species were not found within 5 km of the alignment, but two records occur within 10 km along the coastline. Knowledge of the species suggests it will occur along most of the coast in Coastal Scrub and similar habitats. The species grows on stabilised dunes in coastal areas; the species was included due to highly suitable conditions within McLoughlins Beach - Seaspray Coastal Reserve. The species was recorded in McLoughlins Beach – Seaspray Coastal Reserve in targeted surveys in 2023 and again on Reeves Beach Road in 2024. The Dune Wood-sorrel is listed as Endangered under the FFG Act. The species is rarely collected and found on coastal dunes and associated scrub, it is found on stabilised dunes associated with *Banksia integrifolia* woodlands and among *Spinifex sericeus* on beach locations.
Eastern Pomaderris	*Pomaderris discolor*	-	En	1, VBA (2000)	**Unlikely**	The species is described to prefer moist lowland forests habitat. The record is within the Mullungdung State Forest where this habitat occurs but not within or near the alignment.

Common name	Scientific name	Conservation status		Record #, (Year)	Likelihood of occurrence	Rationale
		EPBC Act	FFG Act			
Round-leaf Pomaderris	*Pomaderris vacciniifolia*	Cr	Cr	PMST	**Unlikely**	No records within 5 km of the alignment north of Traralgon. The species prefers moist wet forests, and there are no records of the species within the Strzelecki ranges.
Maroon Leek-orchid	*Prasophyllum frenchii*	En	En	PMST	**Unlikely**	No records within 5 km of the project area. Within the surrounding area, populations of the species are known to occur at Yarram Parkside and the Gippsland Lakes Coastal Park. Suitable near-coastal habitat was searched for a range of flora species in 2020, but the species was not detected. There are no near-coastal swamps within the project area and habitat is considered unsuitable for the species.
Dense Leek-orchid	*Prasophyllum spicatum*	Vu	Cr	PMST	**Possible**	Not known within 5 km of the alignment. The species prefer coastal heathy vegetation and may occur in suitable habitat on roadside reserves and nearby the beach crossing. The species was not recorded in targeted surveys. The Dense Leek-orchid occurs along the majority of Victoria's coastline extending into SA. The species appears to respond to fire, flowering freely after fire or similar disturbances. The species grows in coastal heath, sandhills, or near-coastal heathy forest on sand soils. There are no records of this species within 5km of the project area on the VBA.
Wellington Mint-bush	*Prostanthera galbraithiae*	Vu	En	PMST	**Unlikely**	Not known within 5 km of the project area. Literature suggests populations are confined to the Holey Plains State Park and Dutson Downs area. The species was not recorded during detailed surveys and is considered unlikely to occur.
Green-striped Greenhood	*Pterostylis chlorogramma*	Vu	En	78, VBA (2023); PMST	**Possible**	There is low potential for the species within the project area as only limited and modified areas of Plains Grassy Forest occur outside of the Woodside H28 Bushland Reserve. The Green-striped Greenhood is listed as Vulnerable under the EPBC Act and Endangered under the FFG Act. The species is endemic to Victoria and occupies a disjunct range from near Yarram in South Gippsland to Edenhope in western Victoria. Habitat predominantly includes mixed Box-

Common name	Scientific name	Conservation status		Record #, (Year)	Likelihood of occurrence	Rationale
		EPBC Act	FFG Act			
						Stringybark forests comprising a canopy of Messmate Stringybark, Narrow-leaf Peppermint, Mealy Stringybark *Eucalyptus cephalocarpa* and Mountain Grey-gum *Eucalyptus cypellocarpa* with a shrubby understorey often with Austral Bracken as a dominant ground-cover species. There are many recent and local records of this species within relatively undisturbed Mullungdung State Forest on the western side of the South Gippsland Highway.
Cobra Greenhood	*Pterostylis grandiflora*	-	En	182, VBA (2023)	**Possible**	The species occurs within valley sclerophyll forest, shady slopes of open forest, grassy low open forest and tea-tree heath. Mullungdung State Forest as numerous recordings of the species is possible habitat occurs along the alignment where it meets forested EVCs. The species distribution extends across coastal and inland eastern Victoria where it is most often associated with moist, shaded slopes in open forests on well-drained soils (VicFlora 2015). The species is known from numerous records across Plains Grassy Forest in the Mullungdung State Forest to the west. Records for the species also exist further south around Woodside in the lowland areas of Plains Grassy Forest.
Swamp Fireweed	*Senecio psilocarpus*	Vu	-	PMST	**Unlikely**	No records within 5 km of the project area. Suitable habitat includes herb-rich winter-wet swamps on volcanic or peaty soils. Habitat in the project area is unsuitable, and the species is considered rare to occur.
Rush Lily	*Sowerbaea juncea*	-	Vu	Not recorded	**Possible**	The species was not identified by the VBA or PMST, but habitat database searches and on ground knowledge suggest habitat is suitable for the species. The species is locally common in damp near-coastal heathland and woodland EVCs in the far east of the state, but scattered occurrences also occur at Wilsons Promontory, and areas between Traralgon and Sale extending to near-coastal locations such as Yarram (VicFlora 2021).
Metallic Sun-orchid	*Thelymitra epipactoides*	En	En	PMST	**Possible**	A rare species for the region that has one record north of Holey Plains State Park, and some coastal records further east. The species prefers heathy, or grassy

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		EPBC Act	FFG Act			
						woodlands with sandy soils. There is minimal potential habitat for the species within some roadside reserves and the Woodside H28 Bushland Reserve.
Spiral-leaved Sun-orchid	*Thelymitra matthewsii*	Vu	En	PMST	**Possible**	The species is known from Mullungdung Flora and Fauna Reserve in the region. The species may possibly occur due to its broad preference for open forests that occur widely throughout the Giffard region. It has a preference for disturbed sites and becomes rarer in stabilised native vegetation. The species occurs in isolated locations across Victoria. It is typically found in coastal sandy flats or slightly elevated sites up to 400 m with well drained soils in open forest. The species is observed to be a coloniser of disturbed sites. Locally to the alignment it has been historically recorded in Mullungdung Nature Conservation Reserve in Giffard with the most recent record being in 1979.
Austral Toadflax	*Thesium australe*	Vu	En	PMST	**Unlikely**	The species is not known from the Strzelecki ranges or further south. Grows in grasslands, woodlands and herbfields, usually in damp situations. The species is associated with healthy *Themeda triandra* dominated ecosystems.
Tiny Arrowgrass	*Triglochin minutissima*	-	En	Not recorded	**Possible**	The species was not identified by the VBA or PMST, but habitat database searches and on-ground knowledge suggest habitat is suitable for the species in Estuarine Wetland habitat. The species is known from fresh or brackish mudflats or margins of swamps in lowland in mostly coastal areas. The species could possibly occur within wet areas in proximity to the coast.
Swamp Everlasting	*Xerochrysum palustre*	Vu	Cr	PMST	**Possible**	No records for the species within 5 km of the project area. Suitable habitat includes lowland swamps and wetlands on cracking clay soils. Citizen science records exist north of the project area associated with Holey Plains State Park and the Gippsland Lakes. The species wasn't detected during detailed surveys. The species is known from Victoria, NSW, and Tasmania. It is a large perennial daisy growing to around a metre in height. The species prefers lowland swamps, often on

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		EPBC Act	FFG Act			
						black cracking clay soils. There are several records of the species throughout the region surrounding the alignment, but the species is rare due to habitat depletion.

Appendix 2
Fauna Likelihood of Occurrence

Table 0-1 Threatened fauna likelihood of occurrence

Notes: EPBC-T = threatened species status under EPBC Act; **EPBC-M**: migratory status under the EPBC Act (M = listed migratory taxa; Bonn Convention (A2H) – listed as a member of a family; Bonn Convention (A2S) - species listed explicitly; CAMBA - China- Australia Migratory Birds Agreement; JAMBA - Japan-Australia Migratory Birds Agreement; ROKAMBA - Republic of Korea Australia Migratory Birds Agreement); **#**- Species listed as threatened under the EPBC Act after the referral decision was made (2 June 2020) therefore not required to be assessed as a MNES in accordance with Section 158A(4) of the EPBC Act; **FFG =** threatened species status under the FFG Act.

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
Birds									
Australasian Bittern	*Botaurus poiciloptilus*	Endangered		Critically Endangered	Terrestrial wetlands, including a range of wetland types but prefers permanent water bodies with tall dense vegetation, particularly those dominated by sedges, rush, reeds or cutting grass (Marchant & Higgins 1990).	PMST & VBA	2	19/06/1979	No suitable habitat—unlikely to occur
Australasian Shoveler	*Spatula rhynchotis*			Vulnerable	Large and deep permanent bodies of water and aquatic flora abundant. Also occurs on billabongs, watercourses and flood waters on alluvial plains, freshwater meadows, shallow swamps, reed swamps, wooded lakes, sewage farms and farm dams (Marchant & Higgins 1990).	eBird & VBA	66	19/09/2020	No suitable habitat—unlikely to occur
Australian Gull-billed Tern	*Gelochelidon macrotarsa*			Endangered	Shallow freshwater and saline wetlands; intertidal mudflats, also in sheltered inshore marine waters where they roost on sandbars and beaches (Higgins & Davies 1996).	eBird & VBA	15	2/11/2018	No suitable habitat—unlikely to occur

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
Australian Little Bittern	*Ixobrychus dubius*			Endangered	Inhabits terrestrial wetlands, mainly in dense emergent vegetation in freshwater swamps, lakes and watercourses (Marchant & Higgins 1990).	VBA	1	4/05/1996	No suitable habitat—unlikely to occur
Australian Painted-snipe	*Rostratula australis*	Endangered		Critically Endangered	Generally, inhabits shallow terrestrial freshwater wetlands, including temporary and permanent lakes, swamps and claypans. They also use inundated or waterlogged grassland or saltmarsh, dams, rice crops, sewage farms and bore drains. Typical sites include those with rank emergent tussocks of grass, sedges, rushes or reeds, or samphire; often with scattered clumps of *Lignum muehlenbeckia* or canegrass or sometimes tea-tree (*Melaleuca*). Sometimes utilises areas that are lined with trees, or that have some scattered fallen or washed-up timber (DCCEEW 2022).	PMST & VBA	1	6/05/1979	No suitable habitat. Vegetation around waterbodies not dense enough, unlikely to occur
Barking Owl	*Ninox connivens*			Critically Endangered	Eucalyptus dominated forests and woodlands, commonly near water-bodies, such as streams and rivers, and requires hollow trees for nesting and trees with dense foliage for roosting (Higgins 1999).	VBA	3	4/09/2000	No suitable habitat in project area, unlikely to occur
Bar-tailed Godwit	*Limosa lapponica*	Endangered	BONNA2H, ROKAMBA,	Vulnerable	Mainly coastal species, usually in sheltered bays, estuaries and lagoons	eBird, PMST & VBA	45	7/10/2019	No suitable habitat in project

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
			JAMBA, CAMBA		with large intertidal mudflats or sandflats (Higgins & Davies 1996).				area, unlikely to occur
Black Falcon	*Falco subniger*			Critically Endangered	Woodlands, open country and terrestrial wetlands; in arid and semi-arid zones; mainly over open plains and undulating land with large tracts of low vegetation. It is more commonly found in north-western Victoria and is only occasionally found in southern Victoria. It is a highly mobile species, moving in response to food availability and seasonal conditions (Marchant & Higgins 1993).	eBird	No VBA records	N/A	May fly over and forage, likely to occur at times
Black-tailed Godwit	*Limosa limosa*	Endangered #	BONNA2H, ROKAMBA, JAMBA, CAMBA	Critically Endangered	Mainly coastal species, usually in sheltered bays, estuaries and lagoons with large intertidal mudflats or sandflats. In Vic. Found mainly round Port Phillip Bay (Higgins & Davies 1996).	PMST & VBA	6	11/02/1989	No suitable habitat in project area, unlikely to occur
Blue-billed Duck	*Oxyura australis*			Vulnerable	Terrestrial wetlands and prefers deep permanent, well vegetated water bodies (Marchant & Higgins 1990).	VBA	11	8/04/2021	No suitable habitat in project area, unlikely to occur
Blue-winged Parrot	*Neophema chrysostoma*	Vulnerable #			Occupies coastal, subcoastal and inland habitats ranging into semi-arid zones. Throughout much of range inhabits grasslands and grassy woodlands and forest (Higgins 1999).	eBird, PMST & VBA	37	13/11/2020	Mobile species, likely to occur from time to time

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
Broad-billed Sandpiper	*Limicola falcinellus*		BONNA2H, ROKAMBA, JAMBA, CAMBA		Sheltered coastal embayment, including lagoons. Often near sewerage ponds, saltworks, creeks, swamps, and lakes near coast, usually with bare flats (Marchant & Higgins 1993).	eBird	No VBA records	N/A	No suitable habitat in project area, unlikely to occur
Brown Treecreeper	*Climacteris picumnus*	Vulnerable #			Woodlands dominated by eucalypts, especially Stringybarks or other rough-barked eucalypts usually with open grassy understorey (Higgins et al. 2001)	PMST	No VBA records	N/A	No suitable habitat in project area, unlikely to occur
Caspian Tern	*Hydroprogne caspia*		CAMBA, JAMBA	Vulnerable	Sheltered coastal embayment, including harbours, lagoons, inlets, estuaries and river deltas, usually with sandy or muddy margins (Higgins & Davies 1996).	eBird & VBA	102	25/04/2021	No suitable habitat in project area, unlikely to occur
Chestnut-rumped Heathwren	*Calamanthus pyrrhopygius*			Vulnerable	Dense heathland and dense understorey or ground-layer in sclerophyll forests and woodlands; also in Box-ironbark forests. Widespread but sparsely distributed (Higgins & Peter 2002; Tzaros 2005).	eBird & VBA	27	17/05/2023	Recorded in the general area in surveys. Likely to occur in suitable habitat
Common Greenshank	*Tringa nebularia*	Endangered #	BONNA2H, ROKAMBA, JAMBA, CAMBA	Endangered	Inhabits wide range of coastal or inland wetlands with varying levels of salinity; mainly muddy margins or rocky shores of wetlands (Higgins & Davies 1996).	eBird, PMST & VBA	44	5/07/2019	No suitable habitat in project area, unlikely to occur

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
Common Ringed Plover	*Charadrius hiaticula*		CAMBA, ROKAMBA, JAMBA		Inhabits wide range of coastal or inland wetlands with varying levels of salinity; mainly muddy margins or rocky shores of wetlands (Marchant & Higgins 1993).	VBA	2	1/03/1981	No suitable habitat in project area, rare vagrant species, unlikely to occur,
Common Sandpiper	*Actitis hypoleucos*		ROKAMBA, JAMBA, CAMBA	Vulnerable	Inhabits a wide range of coastal or inland wetlands with varying levels of salinity; mainly muddy margins or rocky shores of wetlands. In Victoria, mostly found Westernport and Port Phillip Bay (Higgins & Davies 1996).	eBird, PMST & VBA	7	25/01/2019	No suitable habitat in project area, unlikely to occur
Curlew Sandpiper	*Calidris ferruginea*	Critically Endangered	BONNA2H, CAMBA, JAMBA, ROKAMBA	Critically Endangered	Inhabits wide range of coastal or inland wetlands with varying levels of salinity; mainly muddy margins or rocky shores of wetlands (Higgins & Davies 1996).	eBird, PMST & VBA	56	12/12/2020	No suitable habitat in project area, unlikely to occur
Diamond Firetail	*Stagonopleura guttata*	Vulnerable #		Vulnerable	Commonly found in box-ironbark forests and woodlands and also occurs along watercourses and in farmland areas. Widespread but scattered. Forages on a wide range of seeds, which in some cases a large portion can be derived from weed species (Read 1994). Populations have declined in Victoria since the 1950s (Emison et al. 1987; Tzaros 2005).	PMST & VBA	1	1/06/1978	No suitable habitat in project area, unlikely to occur
Double-banded Plover	*Charadrius bicinctus*		BONNA2H		Inhabits wide range of coastal or inland wetlands with varying levels of salinity; mainly muddy margins or	eBird, PMST & VBA	36	14/02/2020	Habitat surveys in 2020 determined that no suitable

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
					rocky shores of wetlands (Marchant & Higgins 1993).				habit occurred in the project area
Eastern Curlew	*Numenius madagascariensis*	Critically Endangered	BONNA1, ROKAMBA, JAMBA, CAMBA	Critically Endangered	Inhabits sheltered coasts, especially estuaries, embayment, harbours, inlets and coastal lagoons with large intertidal mudflats or sandflats, often with beds of sea grass (Higgins & Davies 1996).	eBird, PMST & VBA	68	25/01/2019	No suitable habitat in project area, unlikely to occur
Eastern Great Egret	*Ardea alba modesta*			Vulnerable	Occurs in a variety of wetlands including permanent water bodies on flood plains; shallows of deep permanent lakes, either open or vegetated with shrubs or trees; semi-permanent swamps with tall emergent vegetation (e.g. bulrush) and herb dominated seasonal swamps with abundant aquatic flora (Marchant & Higgins 1990).	VBA	20	5/07/2019	No suitable habitat in project area, unlikely to occur
Eastern Osprey	*Pandion cristatus*		BONNA2S		Rare vagrant to Victoria (Marchant & Higgins 1993). Littoral and coastal habitats and terrestrial wetlands. They are mostly found in coastal areas but occasionally travel inland along major rivers (Johnstone & Storr 1998; Marchant & Higgins 1993; Olsen 1995). They require extensive areas of open fresh, brackish or saline water for foraging (Marchant & Higgins 1993).	eBird, PMST & VBA	1	26/07/1992	No suitable habitat in project area, unlikely to occur

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
Eastern Yellow Wagtail	*Motacilla tschutschensis*		CAMBA, ROKAMBA, JAMBA		Extremely uncommon migrant. Few sightings in Victoria. Mostly occurs in well-watered open grasslands on the fringes of wetlands. Roosts in mangroves and other dense vegetation (DCCEEW 2023).	eBird	No VBA records	N/A	No suitable habitat in project area, unlikely to occur
Fairy Tern	*Sternula nereis*	Vulnerable		Critically Endangered	Generally restricted to sheltered coasts both on the mainland, and inshore and offshore islands. Occurs in embayment, such as harbours, inlets, bays, estuaries, lagoons, and ocean beaches. Also found on lakes and salt ponds (Higgins & Davies 1996).	eBird, PMST & VBA	67	12/03/2022	No suitable habitat in project area, unlikely to occur
Fork-tailed Swift	*Apus pacificus*		CAMBA, ROKAMBA, JAMBA		The species can occur in wet sclerophyll forest but mainly prefers open forest or plains. It is almost exclusively aerial and feeds up to hundreds on m above the ground, but can feed among open forest canopy. The species breeds internationally and seldom roosts in trees (Higgins 1999).	eBird, PMST & VBA	1	25/01/1992	Likely to fly over and forage
Freckled Duck	*Stictonetta naevosa*			Endangered	Terrestrial wetlands; prefer fresh, densely vegetated waters, particularly floodwater swamps and creeks vegetated with lignum or cane grass. During dry seasons or droughts, move off ephemeral breeding swamps and occupy large permanent waters (Marchant & Higgins 1990).	eBird & VBA	7	25/03/2018	No suitable habitat in project area, unlikely to occur

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
Gang-gang Cockatoo	*Callocephalon fimbriatum*	Endangered #		Endangered	In summer generally in tall mountain forests and woodlands, particularly in heavily timbered, mature wet sclerophyll forests and woodlands. Prefer *Eucalyptus* dominated assemblages. Also occurs in subalpine snow gum woodlands and occasionally in temperate rainforests and regenerating forests. In winter occur at lower altitudes in drier, more open Eucalyptus woodland (Higgins 1999).	eBird, PMST & VBA	86	27/06/2023	Observed to occur on several occasions and suitable breeding habitat is present in the project area if individuals remain locally during summer.
Glossy Black-Cockatoo	*Calyptorhynchus lathami*	Vulnerable #		Vulnerable	The species is dependent on Allocasuarina; prefer woodlands dominated with allocasuarina or open eucalypt forests with middle stratum of allocasuarina (Higgins 1999).	PMST & VBA	1	21/08/1993	No suitable habitat in project area, unlikely to occur
Glossy Ibis	*Plegadis falcinellus*		BONNA2S, CAMBA		Prefer freshwater inland wetlands, in particular, permanent or ephemeral water bodies and swamps with abundant vegetation (Marchant & Higgins 1990).	eBird & VBA	3	17/10/2001	No suitable habitat in project area, unlikely to occur
Great Knot	*Calidris tenuirostris*	Vulnerable #	BONNA2H, ROKAMBA, JAMBA, CAMBA	Critically Endangered	In Australasia, the species typically prefers sheltered coastal habitats, with large intertidal mudflats or sandflats. This includes inlets, bays, harbours, estuaries and lagoons. They are occasionally found on exposed reefs or rock platforms, shorelines with mangrove vegetation, ponds in saltworks, at swamps near the coast, salt lakes and non-tidal lagoons. The	eBird, PMST & VBA	18	7/10/2019	No suitable habitat in project area, unlikely to occur

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
					Great Knot rarely occurs on inland lakes and swamps (DCCEEW 2023).				
Greater Sand Plover	*Charadrius leschenaultii*	Vulnerable	BONNA2H, ROKAMBA, JAMBA, CAMBA	Vulnerable	Entirely coastal; mainly on sheltered sandy, shelly or muddy beaches with large intertidal mudflats or sandbanks. In Vic. Mostly in Corner inlet, Westernport and Port Phillip Bay (Marchant & Higgins 1993).	eBird, PMST & VBA	9	15/06/2010	No suitable habitat in project area, unlikely to occur
Grey Falcon	*Falco hypoleucos*	Vulnerable #		Vulnerable	Inhabits arid and semi-arid zones; mainly on sandy and stony plains of inland drainage systems, lightly timbered with acacia. Hunt far into open areas, over spinifex, tussock grasslands and low shrublands. In Victoria, few records mostly in north and northwestern regions (Marchant & Higgins 1993).	PMST	No VBA records	N/A	Does not occur in this part of Victoria.
Grey Goshawk	*Accipiter novaehollandiae*			Endangered	Inhabit rainforests, open forests, swamp forests, woodlands and plantations; most abundant where forest or woodland provide cover for hunting from perches. In Victoria, it is most common in the Otway ranges (Marchant & Higgins 1993).	VBA	5	1/09/1980	No suitable habitat in project area, unlikely to occur
Grey Plover	*Pluvialis squatarola*	Vulnerable #	BONNA2H, ROKAMBA, JAMBA, CAMBA	Vulnerable	Entirely coastal, but occasionally inland. Mainly on marine shores, inlets, estuaries and lagoons where there are nearby large tidal mudflats for feeding and sandy beaches for roosting (Marchant & Higgins 1993).	eBird, PMST & VBA	29	1/04/2018	No suitable habitat in project area, unlikely to occur

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
Grey-tailed Tattler	*Tringa brevipes*		BONNA2H, ROKAMBA, JAMBA, CAMBA	Critically Endangered	Often found on sheltered coasts with reefs and rock platforms or with intertidal mudflats. It can also be found at intertidal rocky, coral or stony reefs as well as platforms and islets that are exposed at low tide. It has been found around shores of rock, shingle, gravel or shells and also on intertidal mudflats in embayments, estuaries and coastal lagoons, especially fringed with mangroves. The species is rarely recorded in Victoria, however sightings have been reported in Gippsland, and east of McLoughlins Beach. The largest populations in Victoria are located at Corner Inlet, west to Westernport and Port Phillip Bays (DCCEEW 2023).	eBird, PMST & VBA	10	23/09/2017	No suitable habitat in project area, unlikely to occur
Ground Parrot	*Pezoporus wallicus*			Endangered	Inhabits mainly heathlands, sedgeland or button-grass plains providing dense cover. In Victoria the species is largely restricted to closed coastal heathland and sedgeland, which is generally found in Gippsland (Higgins 1999). The species is also known to occur in similar habitats in western Victoria, namely Discovery Bay National Park and Lake Connewarre (Higgins 1999).	VBA	2	1/06/1980	No suitable habitat in project area, unlikely to occur
Hooded Plover	*Thinornis cucullatus*	Vulnerable		Vulnerable	Inhabits sandy ocean beaches, especially those that are broad and flat, with a wide wave-wash zone for feeding. Widespread and scattered	eBird, PMST & VBA	63	4/02/2022	No suitable habitat in study area, unlikely to occur

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
					across coastal Victoria. Numbers reduced due to disturbance by recreational activities on beaches (Marchant & Higgins 1993).				
Hooded Robin	*Melanodryas cucullata cucullata*	Endangered #		Vulnerable	Occur mostly in open Grey Box, White Box, Yellow Box, Yellow Gum and Ironbark woodlands with pockets of saplings or taller shrubs, an open shrubby understorey, sparse grasses and patches of bare ground and leaf-litter, with scattered fallen timber. The population has declined throughout range, especially since the early 1980s. This species typically occurs north of the great divide in shrubland or woodland dominated by acacias (Higgins & Peter 2002; Tzaros 2005).	eBird, PMST & VBA	4	3/01/1979	No suitable habitat in project area, unlikely to occur
King Quail	*Synoicus chinensis*			Endangered	Inhabits dense swampy low-lying heath mixed with grass, or low treeless heath within moist depressions. Breed, roost and feed on ground (Marchant & Higgins 1993).	VBA	1	1/08/1975	No suitable habitat in project area, unlikely to occur
Latham's Snipe	*Gallinago hardwickii*	Vulnerable #	BONNA2H, ROKAMBA, JAMBA, CAMBA		Occurs in wide variety of permanent and ephemeral wetlands; it prefers open freshwater wetlands with dense cover nearby, such as the edges of rivers and creeks, bogs, swamps, waterholes. The species is widespread in southeast Australia and most of its population occurs in Victoria, except in	eBird, PMST & VBA	25	22/08/2021	Likely to occur at times

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
					the northwest of the state (Naarding 1983; Higgins & Davies 1996).				
Lesser Sand Plover	*Charadrius mongolus*	Endangered	BONNA2H, ROKAMBA, JAMBA, CAMBA	Endangered	Inhabits beaches of sheltered bays, harbours, and estuaries with large intertidal sandflats or mudflats. Regularly seen in Corner Inlet, Westernport and Port Phillip Bay (Marchant & Higgins 1993).	eBird, PMST & VBA	9	11/02/1995	No suitable habitat in project area, unlikely to occur
Lewin's Rail	*Lewinia pectoralis*			Vulnerable	Occurs in a variety of densely vegetated wetland habitats, fresh or saline, and usually with areas of standing water. Requires shallow water areas for foraging (Marchant & Higgins 1993).	eBird & VBA	2	24/10/2010	No suitable habitat in project area, aquatic vegetation not dense enough unlikely to occur
Little Curlew	*Numenius minutus*		BONNA2H, ROKAMBA, JAMBA, CAMBA		Occurs in short, dry grasslands and sedgelands with scattered shallow freshwater pools. Occasionally occurs in open woodland with grassy or burn understorey. Can be found in coastal swamps and on sheltered coasts on mudflats or sandflats (Higgins & Davies 1996).	PMST	No VBA records	N/A	No suitable habitat in project area, unlikely to occur
Little Eagle	*Hieraaetus morphnoides*			Vulnerable	Over wooded and forested lands and open country of Aust. Range extending into arid zone. Most abundant in open forest and woodland (Marchant & Higgins 1993).	eBird & VBA	13	23/06/2005	May fly over and forage, likely to occur
Little Egret	*Egretta garzetta*			Endangered	It occurs in a range of coastal and terrestrial wetlands, including freshwater wetlands with vegetation	eBird & VBA	29	5/07/2019	

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
					such as bulrush and requires trees for roosting and nesting (Marchant & Higgins 1990).				
Little Tern	*Sternula albifrons*		BONNA2S, ROKAMBA, JAMBA, CAMBA	Critically Endangered	Sheltered coastal environments, including lagoons, estuaries, river mouths and deltas, lakes, bays, harbours and inlets, especially those with exposed sandbanks or sand spits. In Victoria, they are found mainly on the east coast between Mallacoota and Corner Inlet, rare elsewhere (Higgins & Davies 1996).	eBird, PMST & VBA	49	12/01/2021	No suitable habitat in project area, unlikely to occur
Magpie Goose	*Anseranas semipalmata*			Vulnerable	Terrestrial and aquatic habitats, but activities cantered on wetlands, mainly those on floodplains of rivers (Marchant & Higgins 1990).	VBA	2	1/07/1999	No suitable habitat in project area t, unlikely to occur
Marsh Sandpiper	*Tringa stagnatilis*		BONNA2H, ROKAMBA, JAMBA, CAMBA	Endangered	Inhabits sandy, muddy or rocky shores, usually coastal, rarely far inland. Often on beaches and mudflats, sandflats and occasionally rock shelves (Higgins & Davies 1996).	eBird, PMST & VBA	11	24/03/2019	No suitable habitat in project area, unlikely to occur
Masked Owl	*Tyto novaehollandiae*			Critically Endangered	Open woodlands and forests that provide dense and tall tree cover and adjoining open habitats such as cleared farmlands. In Victoria, most widespread in E. Gippsland (Higgins 1999).	eBird	No VBA records	N/A	Out of normal range, No suitable habitat in project area, unlikely to occur
Musk Duck	*Biziura lobata*			Vulnerable	It inhabits terrestrial wetlands, estuarine habitats and sheltered inland waters. Almost entirely aquatic;	eBird & VBA	44	15/02/2017	No suitable habitat in project

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
					preferring deep water of large swamps, lakes and estuaries, where conditions are stable and aquatic flora abundant (Marchant & Higgins 1990).				area, unlikely to occur
Orange-bellied Parrot	*Neophema chrysogaster*	Critically Endangered		Critically Endangered	The Orange-bellied Parrot is endemic to south-eastern Australia. Its current non-breeding mainland distribution is from the mouth of the Murray River in South Australia, along the coast, to the east of Jack Smith Lake in South Gippsland, Victoria, covering approximately 1000 km of coastline. The most used sites in Victoria are around Port Phillip Bay and Bellarine Peninsula. In South Australia, Carpenter Rocks is the main site. During winter on the mainland, found mostly within 3 km of the coast. In Victoria, they mostly occur in sheltered coastal habitats, such as bays, lagoons and estuaries, or, rarely, saltworks. They are also found in low samphire herbland dominated by Beaded Glasswort *Sarcocornia quinqueflora*, Sea Heath *Frankenia pauciflora* or Sea-blite *Suaeda australis*, and in taller shrubland dominated by Shrubby Glasswort *Sclerostegia arbuscula*. They are sometimes found in low samphire dominated by Grey Glasswort *Halosarcia halocnemoides* or in *Chenopodium* herbfields. Breeds at *Melaleuca* in Tasmania during	PMST & VBA	9	11/07/2020	Extensive coastal saltmarsh present adjacent to the bore exit areas/ shore crossing. This saltmarsh and local area along with the estuarine wetland and paddock behind the coastal dunes is representative of habitat for Orange-bellied Parrot. Potential to occur.

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
					spring/summer months (DCCEEW 2023).				
Oriental Plover	*Charadrius veredus*		BONNA2H, ROKAMBA, JAMBA		Open grasslands in arid and semi-arid zones. Prefer flat inland plains with sparse short grass and bare ground. Found on muddy margins of wetlands, lakes, billabongs, dams and salt-fields (Marchant & Higgins 1993).	PMST & VBA	1	1/02/1983	No suitable habitat in project area, unlikely to occur
Pacific Golden Plover	*Pluvialis fulva*		BONNA2H, ROKAMBA, JAMBA, CAMBA	Vulnerable	Inhabits sandy, muddy or rocky shores, usually coastal, rarely far inland. Often on beaches and mudflats, sandflats and occasionally rock shelves (Marchant & Higgins 1993).	eBird, PMST & VBA	19	31/12/2018	No suitable habitat in project area, unlikely to occur
Painted Honeyeater	*Grantiella picta*	Vulnerable		Vulnerable	Inhabits box-ironbark forests and woodlands and mainly feeds on the fruits of mistletoe. Strongly associated with mistletoe around the margins of open forests and woodlands. Can also be found in farmland containing remnant treed vegetation. Occurs at few localities. Uncommon breeding migrant from further north, arriving in October and leaving in February (Higgins et al. 2001; Tzaros 2005).	PMST	No VBA records	N/A	No suitable habitat in project area, unlikely to occur
Pectoral Sandpiper	*Calidris melanotos*		BONNA2H, ROKAMBA, JAMBA		Inhabit shallow fresh to saline wetlands, usually coastal to near-coastal, but occasionally farther inland. Wetlands often have open fringing mudflats and low emergent or	PMST	No VBA records	N/A	No suitable habitat in project area, unlikely to occur

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
					fringing vegetation (Higgins & Davies 1996).				
Pilotbird	*Pycnoptilus floccosus*	Vulnerable #		Vulnerable	Occurs in wet sclerophyll forests, occasionally in dry sclerophyll forests and woodlands. Usually inhabits moist gullies but also dry slopes and ridges with dense undergrowth (Higgins & Peter 2002).	PMST & VBA	5	27/05/1976	No suitable habitat in project area, unlikely to occur
Pin-tailed Snipe	*Gallinago stenura*		BONN A2H, ROKAMBA, JAMBA, CAMBA		Outside the breeding season, this species is typically found in or at the edge of shallow freshwater swamps, ponds, and lakes with varying levels of grass and vegetation cover. They can be spotted in drier wetlands like claypans, especially in arid regions within their range. Additionally, this species is often observed near sewage ponds but is rarely seen in saline or inter-tidal wetlands (DEECA 2023).	PMST	No VBA records	N/A	Has only been previously recorded in Western Australia. Outside natural distribution – unlikely to occur
Plumed Egret	*Ardea intermedia plumifera*			Critically Endangered	It mainly inhabits terrestrial wetlands; only occasionally visit coastal wetlands and forages amongst aquatic vegetation in shallow water and requires trees for roosting and nesting. It often occurs in wetlands that contain vegetation, including bulrush (Marchant & Higgins 1990).	eBird & VBA	11	5/08/2021	No suitable habitat in project area, unlikely to occur
Powerful Owl	*Ninox strenua*			Vulnerable	Found in open and tall wet sclerophyll forests with sheltered gullies and old growth forest with dense understorey. They are also found in dry forests with	eBird & VBA	48	13/06/2023	Likely to occur from time-to-time

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
					box and ironbark eucalypts and River Red Gum. Large old trees with hollows are required by this species for nesting. In Victoria, the Powerful Owl is widespread, having been recorded from most of the state. However, throughout its range it is uncommon and occurs in low densities (Higgins 1999). Also occurs in highly urbanised areas, such as metropolitan Melbourne, where they are heavily reliant upon various forms of movement corridors (riparian strips, roadside vegetation and recreational reserves) to both hunt within and navigate throughout the landscape (Carter et al. 2019).				foraging. No breeding habitat
Red Knot	*Calidris canutus*	Vulnerable #	ROKAMBA, JAMBA, CAMBA	Endangered	In Australasia, the Red Knot mainly inhabits intertidal mudflats, sandflats and sandy beaches of sheltered coasts, in estuaries, bays, inlets, lagoons and harbours; sometimes on sandy ocean beaches or shallow pools on exposed wave-cut rock platforms or coral reefs. They are occasionally seen on terrestrial saline wetlands near the coast, such as lakes, lagoons, pools and pans, and recorded on sewage ponds and saltworks, but rarely use freshwater swamps. They rarely use inland lakes or swamps (DCCEEW 2023).	eBird, PMST & VBA	41	7/10/2019	No suitable habitat in project area, unlikely to occur

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
Red-necked Stint	*Calidris ruficollis*		BONNA2H, ROKAMBA, JAMBA, CAMBA		Inhabit shallow fresh to saline wetlands, usually coastal to near-coastal, but occasionally farther inland. Wetlands often have open fringing mudflats and low emergent or fringing vegetation (Higgins & Davies 1996).	eBird, PMST & VBA	82	7/05/2021	No suitable habitat in project area, unlikely to occur
Regent Honeyeater	*Anthochaera phrygia*	Critically Endangered		Critically Endangered	Inhabits dry box-ironbark eucalypt forests near rivers and creeks on inland slopes of the Great Dividing Range. Can also occur in small remnant patches or in mature trees in farmland or partly cleared agricultural land (Higgins et al. 2001).	PMST & VBA	1	1/01/1905	No suitable habitat in project area, unlikely to occur
Ruddy Turnstone	*Arenaria interpres*	Vulnerable #	ROKAMBA, JAMBA, CAMBA	Endangered	Inhabit shallow fresh to saline wetlands, usually coastal to near-coastal, but occasionally farther inland. Wetlands often have open fringing mudflats and low emergent or fringing vegetation (Higgins & Davies 1996).	eBird, PMST & VBA	35	7/10/2019	No suitable habitat in project area, unlikely to occur
Ruff	*Calidris pugnax*		BONNA2H, ROKAMBA, JAMBA, CAMBA		Inhabit shallow fresh to saline wetlands, usually coastal to near-coastal, but occasionally farther inland. Wetlands often have open fringing mudflats and low emergent or fringing vegetation (Higgins & Davies 1996).	PMST	No VBA records	N/A	No suitable habitat in project area, unlikely to occur

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
Sanderling	*Calidris alba*		ROKAMBA, JAMBA, CAMBA		Inhabits open sandy beaches exposed to sea-swells; also on exposed sandbars and spits (Higgins & Davies 1996).	eBird, PMST & VBA	18	7/10/2019	No suitable habitat in project area, unlikely to occur
Sharp-tailed Sandpiper	*Calidris acuminata*	Vulnerable #	BONNA2H, ROKAMBA, JAMBA, CAMBA		Inhabit shallow fresh to saline wetlands, usually coastal to near-coastal, but occasionally farther inland. Wetlands often have open fringing mudflats and low emergent or fringing vegetation (Higgins & Davies 1996).	eBird, PMST & VBA	48	16/03/2021	No suitable habitat in project area, unlikely to occur
Square-tailed Kite	*Lophoictinia isura*			Vulnerable	It occurs mainly in open forests and woodlands and in Victoria utilises habitats with box-ironbark, peppermint, Stringybark and River Red Gum eucalypt associations. The rarest and least seen bird in Victoria, mainly occur in the far east of the state, though occasionally recorded in central and western parts of the state (Marchant & Higgins 1993).	VBA	1	5/02/1986	No suitable habitat in project area, unlikely to occur
Swift Parrot	*Lathamus discolor*	Critically Endangered		Critically Endangered	Prefers a select range of eucalypts in Victoria, including Yellow Gum, Grey Box, White Box, Red Ironbark and Yellow Box, as well as River Red-gum when this species supports abundant 'lerp' (Saunders & Tzaros 2011). The species is also known to forage within planted stands of Spotted Gum and Sugar Gum (Nature Advisory; unpublished data). Breeds in	eBird, PMST & VBA	5	1/04/2018	Observed in nearby area, possible occasional occurrence

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
					Tasmania and migrates to the mainland of Australia for the autumn, winter and early spring months. It lives mostly north of the Great Dividing Range, passing through two areas of Victoria on migration: the Port Phillip district and Gippsland (Emison et al. 1987; Higgins 1999; Kennedy & Tzaros 2005). Though it is also not uncommonly sighted in urban areas (Nature Advisory; unpublished data). Occurrence of this species on the mainland can substantially change from year to year depending on food availability, giving potential for this species to occur almost anywhere throughout its range (Emison et al. 1987).				
Swinhoe's Snipe	*Gallinago megala*		BONN A2H, ROKAMBA, JAMBA, CAMBA		In Australia, they prefer habitats characterized by dense grass and rushes along the edges of both fresh and brackish wetlands, including swamps, billabongs, river pools, small streams, sewage ponds. Additionally, they can be found in drying claypans, and inundated plains with crab holes (DEECA 2023).	PMST	No VBA records	N/A	Has only been previously recorded in the northern half of the country. Outside natural distribution – unlikely to occur
Terek Sandpiper	*Xenus cinereus*	Vulnerable #	BONNA2H, ROKAMBA, JAMBA, CAMBA	Endangered	Inhabits saline intertidal mudflats in sheltered estuaries, harbours and lagoons; on islets, mudbanks, sandbanks or spits. In Victoria, they occur in Corner Inlet, Westernport Bay	eBird, PMST & VBA	7	11/02/1995	No suitable habitat in project area, unlikely to occur

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
					and Port Phillip Bay (Higgins & Davies 1996).				
Whimbrel	*Numenius phaeopus*		BONNA2H, ROKAMBA, JAMBA, CAMBA	Endangered	Inhabit intertidal mudflats of sheltered coasts, harbours, lagoons, estuaries and river deltas. Prefer mudflats with mangrove, but also occur on open, unvegetated mudflats. In Victoria, small numbers occur at Gippsland lakes; most from Corner Inlet, Westernport and Port Phillip Bays (Higgins & Davies 1996).	eBird, PMST & VBA	8	31/12/2018	No suitable habitat in project area, unlikely to occur
White-bellied Sea-eagle	*Haliaeetus leucogaster*		CAMBA	Endangered	Maritime habitats, terrestrial large wetlands and coastal lands of tropical and temperate Australia and offshore islands, ranging far inland only over large rivers and wetlands. The eagles usually breed on coast and offshore islands and inland beside large lakes or rivers, usually in tall trees in or near water, also in cliffs, rock pinnacles and escarpments (Marchant & Higgins 1993).	eBird & VBA	76	3/03/2021	Likely to fly over, no foraging habitat in study area
White-throated Needletail	*Hirundapus caudacutus*	Vulnerable	CAMBA, ROKAMBA, JAMBA	Vulnerable	Aerial, over all habitats, but probably more over wooded areas, including open forest and rainforest. Often over heathland and less often above treeless areas such as grassland and swamps or farmland (Higgins 1999).	eBird, PMST & VBA	47	9/02/2019	Likely to fly over and forage

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
White-winged Black Tern	*Chlidonias leucopterus*		CAMBA, ROKAMBA, JAMBA		Inhabits coastal seas, exposed rocky coasts, and sandy beaches of sheltered coasts, especially those with banks, spits or flats composed of sand or shingle. In Victoria, this species is regularly recorded in Port Phillip Bay at Altona, Werribee and Lake Connewarre, and further west at Lake Murdeduke and Lake Terangpom (Higgins & Davies 1996).	eBird & VBA	3	4/11/1998	No suitable habitat in project area unlikely to occur
Wood Sandpiper	*Tringa glareola*		BONNA2H, ROKAMBA, JAMBA, CAMBA	Endangered	Inhabits well vegetated, shallow, freshwater wetlands, such as swamps, lakes, pools, and waterholes; typically with emergent, aquatic plants or grass, and dominated by taller fringing vegetation, such as dense stands of rushes or reed. In Victoria, they are mostly from Port Phillip bay and in mid-Murray valley (Higgins & Davies 1996).	PMST	No VBA records	N/A	No suitable habitat in project area, unlikely to occur
Yellow Wagtail	*Motacilla flava*		CAMBA, JAMBA, ROKAMBA		Common migrant from Asia. Inhabits moist, grassy or muddy areas, sewage treatment plants, sports fields, tracks or bare ground, occasionally on beaches (Menkhorst et al. 2017).	PMST	No VBA records	N/A	No suitable habitat in project area, unlikely to occur
Mammals									
Broad-toothed Rat	*Mastacomys fuscus mordicus*	Endangered #		Vulnerable	Specialist herbivore which occurs in high rainfall areas in eastern highlands, south Gippsland highland and Otway ranges. Habitats include alpine herbfield, heath, woodland, sedgeland and coastal tussock	PMST	No VBA records	N/A	No suitable habitat in project area, unlikely to occur

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
					grassland (Menkhorst 1995). This species has also been known to inhabit dense, heathy vegetation within disturbed areas such the transmission cable easement and alpine ski slopes (Clarke & White 2008; Whisson et al. 2015).				
Brush-tailed Phascogale	*Phascogale tapoatafa*			Vulnerable	Dry forest and woodland in association with box, ironbark and stringybark eucalypts (Menkhorst 1995). Closely associated with remnant vegetation, this species occupies large home ranges of woodland habitat (M=100Ha; F=20-70Ha) (Menkhorst 1995).	VBA	1	30/04/1962	No recent records unlikely to occur
Long-nosed Potoroo	*Potorous tridactylus trisulcatus*	Vulnerable #		Vulnerable	In Victoria, the species occupies a wide variety of wet forest and wet scrub, usually occurring on sandy loam soils where rainfall exceeds 750mm annually (Menkhorst 1995); In Tasmania, moist forest with dense shrub layer; in the north edge of rainforest (Menkhorst 1995). Dense understorey vegetation is an essential component for the species persistence, which can consist of grass trees, sedges, ferns, heath, tea-tree or melaleucas (Menkhorst 1995).	PMST	No VBA records	N/A	No suitable habitat in project area, unlikely to occur
New Holland Mouse	*Pseudomys novaehollandiae*	Vulnerable		Endangered	Suitable habitat includes coastal heath and scrub, heathy woodland, open forest and vegetated sand-dunes, with dry heath regeneration	PMST & VBA	18	14/04/2007	Recorded in the broader area, possibly occurs in

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
					post-fire appearing to be optimal for the species (Menkhorst 1995). Victorian records are largely restricted to the localities of Anglesea, Westernport and Gippsland lakes.				suitable connected habitat
Platypus	*Ornithorhynchus anatinus*			Vulnerable	Inhabits freshwater streams, ranging from alpine creeks to tropical lowland rivers; also lakes, shallow reservoirs and farm dams (Menkhorst and knight 2001).	VBA	8	18/08/2022	No suitable habitat in project area, unlikely to occur
Southern Brown Bandicoot	*Isoodon obesulus obesulus*	Endangered		Endangered	Suitable habitat for Southern Brown Bandicoots (eastern) is defined to be any patches of native or exotic vegetation, within their distribution, which contains understorey vegetation structure with 50–80% average foliage density in the 0.2–1 m height range. In areas where native habitats have been degraded or diminished, exotic vegetation, such as Blackberry (Rubus spp.), can and often does, provide important habitat (DCCEEW 2023).	PMST	No VBA records	N/A	No records in project area, unlikely to2 occur
Southern Greater Glider	*Petauroides volans*	Endangered #		Endangered	In Victoria, this species inhabits forest habitats dominated by peppermint, stringybark, ash and gum eucalypts (Menkhorst 1995). Restricted to the central highlands and eastern Victoria, and common in areas of high rainfall. Rare in dry stringybark-box and Snow Gum forest and does not occur in the box-ironbark or River Red-gum	PMST & VBA	45	17/08/2022	No suitable habitat in project area, unlikely to occur

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
					dominated Riverina regions (Menkhorst 1995).				
Spot-tailed Quoll	*Dasyurus maculatus maculatus*	Endangered		Endangered	Rainforest, wet and dry forest, coastal heath and scrub and River Red-gum woodlands along inland rivers (Menkhorst 1995).	PMST & VBA	1	1/01/1985	No suitable habitat in project area, unlikely to occur
Swamp Antechinus	*Antechinus minimus maritimus*	Vulnerable		Vulnerable	Dense wet heath, tussock grassland, sedgeland heathy woodland and coastal heath and scrub (Menkhorst 1995). Requires mature, dense vegetation with thick ground cover (DCCEEW 2023). Shelters in short burrows or underneath dense leaf litter. Rarely occurs more than 200m above sea level. Though this species has also previously been detected at sites which had experienced some structural disturbance in the South Gippsland region (Nature Advisory; unpublished data).	PMST	No VBA records	N/A	No recent records, unlikely to occur
White-footed Dunnart	*Sminthopsis leucopus*			Vulnerable	Coastal tussock grassland and sedgeland, wet heath, and forest or woodland with a dense heathy understorey or mid-storey vegetation (Menkhorst 1995).	VBA	7	22/09/2017	Recent records in broader area, possible to occur
Yellow-bellied Glider	*Petaurus australis*	Vulnerable #		Vulnerable	Forests with a predominance of smooth-barked eucalypts, as well as a mixture of eucalypt species. Uncommon in wet forests dominated by single tree species; a mixture of tree species is preferred (Menkhorst	PMST & VBA	2	11/04/2006	No suitable habitat in project area, unlikely to occur

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
					1995). Inhabits a range of forest types, depending on the location in Victoria - western populations use dry woodland and forest, whereas southern, eastern and northeastern populations use a variety of wet forest types (Menkhorst 1995). Require large hollows in large, old trees. In Mountain Ash forest dependent on extensive stands of old-growth forest - rare in young forest even when scattered old trees are available (Menkhorst 1995). Will persist in corridors as narrow as 200 m (Menkhorst 1995).				
Bats									
Eastern Bent-winged Bat	*Miniopterus orianae oceanensis*			Critically Endangered	Roosts in caves during the day, dispersing over a range of habitats at night. Its feeding areas tend to be associated with major drainage systems (Menkhorst 1995).	BatMap	No VBA records	N/A	No recent records unlikely to occur
Grey-headed Flying-fox	*Pteropus poliocephalus*	Vulnerable		Vulnerable	Brisbane, Newcastle, Sydney and Melbourne are occupied continuously. Elsewhere, during spring, they are uncommon south of Nowra and widespread in other areas of their range. Roosts in aggregations of various sizes on exposed branches. Roost sites are typically located near water, such as lakes, rivers or the coast. Roost vegetation includes rainforest patches, stands of Melaleuca, mangroves and riparian vegetation, but colonies also use	BatMap, PMST & VBA	1	20/01/1965	Observed locally, likely to visit from time to time to forage

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
					highly modified vegetation in urban and suburban areas (DCCEEW 2023).				
Yellow-bellied Sheathtail Bat	*Saccolaimus flaviventris*			Vulnerable	Known to occur from urban, agricultural semi-arid and tall wet forest habitats (Menkhorst 1995).	BatMap	No VBA records	N/A	No recent records, unlikely to occur
Reptiles									
Glossy Grass Skink	*Pseudemoia rawlinsoni*			Endangered	Swamps, lake edges, salt marsh, and boggy creeks with dense vegetation (Wilson & Swan 2010).	VBA	9	6/10/2004	Recorded in study area
Lace Monitor	*Varanus varius*			Endangered	Well-timbered areas from dry woodland to wet southern forests and rainforest (Wilson & Swan 2003).	VBA	66	29/09/2023	Recorded in study area
Swamp Skink	*Lissolepis coventryi*	Endangered #		Endangered	Wetlands including swamp margins, lakes, rivers, creeks and even tidal salt marshes, often associated with tea-tree thickets (Wilson & Swan 2010).	PMST & VBA	6	26/11/2007	Not recorded in targeted surveys, unlikely to occur as vegetation probably not dense enough
Fish									
Australian Grayling	*Prototroctes maraena*	Vulnerable		Endangered	Large and small coastal streams and rivers with cool, clear waters with a gravel substrate and altering pools and riffles (Cadwallader & Backhouse 1983).	PMST & VBA	2	23/02/1976	No suitable habitat in project area, unlikely to occur
Coxs Gudgeon	*Gobiomorphus coxii*			Endangered	Usually flowing, upland waters, often in rapids, rarely found close to sea (Allen et al. 2002).	VBA	2	5/01/1982	No suitable habitat in project area, unlikely to occur

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
Dwarf Galaxias	*Galaxiella pusilla*	Endangered		Endangered	Ranges from the far west of the state through to the Mitchell River basin in central Gippsland. Vegetated margins of still water, ditches, swamps and backwaters of creeks, both ephemeral and permanent (Allen et al. 2002). Some wetlands where it occurs may partially or completely dry up during summer, with such wetlands reliant on seasonal flooding plus linkages to other sites where the species occurs, for habitat and population replenishment (Saddlier, Jackson & Hammer 2010). Dwarf Galaxias is also often found in association with burrowing freshwater crayfish (Engaeus spp.), with the crayfish burrows reportedly providing refuge from predators and dry conditions for the species (Saddlier, Jackson & Hammer 2010).	PMST & VBA	1	17/08/1979	Recorded in nearby waterways. Possibly occurs.
Flinders Pygmy Perch	*Nannoperca sp. 1*			Vulnerable	Slow or still waters with abundant aquatic vegetation, including lakes, ponds, and slow-flowing rivers and creeks. Also found in pools within moderately-flowing streams (Bray 2020).	VBA	18	5/01/2023	Recorded in nearby waterways. Possibly occurs.
Macquarie Perch	*Macquaria australasica*	Endangered		Endangered	Cool, clear water of rivers and lakes. Favours slower moving water (Allen et al. 2002).	VBA	3	1/01/1981	No suitable habitat in project area, unlikely to occur

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
Murray Cod	*Maccullochella peelii*	Vulnerable		Endangered	Slow flowing turbid water of rivers and streams of low elevation; also fast flowing clear upland streams (Allen et al. 2002).	VBA	1	1/01/1970	No suitable habitat in project area, unlikely to occur
Amphibians									
Giant Burrowing Frog	*Heleioporus australiacus*	Vulnerable		Critically Endangered	Across its range, the Giant Burrowing Frog appears to be dependent on areas with native vegetation, as no Giant Burrowing Frogs have been recorded from cleared lands. However, it should be noted that no targeted surveys for the species have occurred in such lands. A BIOCLIM analysis suggests that the species is not climatically suited to large river valleys, most of which have now been cleared for agriculture. In the southern portion of its range, the Giant Burrowing Frog has been reported to occur in a wide range of forest communities including montane sclerophyll woodland, montane riparian woodland, as well as wet and dry sclerophyll forest (DCCEEW 2023).	PMST	No VBA records	N/A	No suitable habitat in project area, unlikely to occur
Green and Golden Bell Frog	*Litoria aurea*	Vulnerable			Permanent water with fringing or emergent vegetation in streams, swamps, lagoons, farm dams and ornamental ponds (Cogger 2000). Also occurs in disturbed sites such as disused industrial sites, brick pits, mines and council tips (Tyler & Knight 2011).	PMST	No VBA records	N/A	No recent records, not found in targeted surveys, unlikely to occur.

Common Name	Scientific name	EPBC-T	EPBC-M	FFG	Habitat	Source	VBA records	Date of last record	Likelihood of occurrence
Growling Grass Frog	*Litoria raniformis*	Vulnerable		Vulnerable	Permanent, still or slow flowing water with fringing and emergent vegetation in streams, swamps, lagoons and artificial wetlands such as farm dams and abandoned quarries (Clemann & Gillespie 2004).	PMST & VBA	23	28/09/1978	Not found in targeted surveys, unlikely to occur
Martin's Toadlet	*Uperoleia martini*	Endangered #		Endangered	Dry forest and coastal heath, breeds in flooded grassy depressions (Cogger 2000).	PMST & VBA	22	13/11/2020	None found in targeted surveys but surveys incomplete. Presence therefore assumed.
Southern Toadlet	*Pseudophryne semimarmorata*			Endangered	Damp areas in forests and woodlands (Cogger 2000). In Victoria, the Southern Toadlet is mainly found on and south of the Great Dividing Range although there are records as far north as the Little Desert (SWIFFT 2020).	VBA	109	29/04/2022	Recorded in the broader area in surveys, likely to occur in suitable habitat

Appendix 3
Habitat hectare assessment

Habitat Zone			HZ1	HZ2	HZ3	HZ4	HZ5	HZ6	HZ7	HZ8	HZ9	HZ10	HZ11	HZ12	HZ13	HZ14	HZ15	HZ16	HZ17	HZ18	HZ19
EVC			Coast Banksia Woodland (2)	Coastal Dune Scrub (160)	Coastal Dune Scrub (160)	Coastal Dune Scrub (160)	Estuarine Wetland (10)	Coastal Dune Scrub (160)	Coastal Dune Scrub (160)	Damp Sands Herb-rich Woodland (3)	DELWP Mapped Wetland	Swamp Scrub (53)	Damp Sands Herb-rich Woodland (3)	Damp Sands Herb-rich Woodland (3)	Damp Sands Herb-rich Woodland (3)	Swamp Scrub (53)	Swamp Scrub (53)	Swamp Scrub (53)	Swamp Scrub (53)	Swamp Scrub (53)	Swamp Scrub (53)
Bioregion			Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain
Present in alignment option: AB, C, D			AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D
Bioregional Conservation Status (BCS)			V	D	D	LC	D	V	D	ND	E	V	V	V	E	E	E	E	V	V	V
Site Condition	Large Trees	10	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	Tree Canopy Cover	5	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	1	1	1
	Lack of Weeds	15	9	9	9	9	11	9	9	6	0	6	7	7	7	0	7	0	0	0	0
	Understorey	25	15	15	15	15	5	15	15	15	0	20	15	15	5	15	15	15	15	15	15
	Recruitment	10	1	10	10	10	3	10	10	3	0	6	6	6	6	10	6	10	10	10	10
	Organic Litter	5	3	5	5	5	3	5	5	3	0	2	3	3	3	5	3	5	5	5	5
	Logs	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Site Score	75	28	39	39	39	22	39	39	29	0	34	31	31	21	31	31	31	31	31	31
Standardiser		-	1	1.36	1.36	1.36	1.36	1.36	1.36	1	1	1.25	1	1	1	1.15	1.15	1.15	1.15	1.15	1.15
Standardised Site Score		-	28	53.04	53.04	53.04	29.92	53.04	53.04	29	0	42.5	31	31	21	35.65	35.65	35.65	35.65	35.65	35.65
Landscape Context	Patch Size	10	8	8	8	8	8	8	1	6	0	8	1	1	1	1	1	1	1	1	1
	Distance to Core Area	5	4	4	4	4	4	4	3	3	0	4	3	3	3	1	1	1	1	1	1
	Neighbourhood	10	1	2	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	Total Landscape Score	25	13	14	14	13	12	12	4	10	0	12	4	4	4	2	2	2	2	2	2
Habitat Score		100	41	67.04	67.04	66.04	41.92	65.04	57.04	39	0	54.5	35	35	25	37.65	37.65	37.65	37.65	37.65	37.65
Habitat Points = Score/100			0.41	0.6704	0.6704	0.6604	0.4192	0.6504	0.5704	0.39	0	0.545	0.35	0.35	0.25	0.3765	0.3765	0.3765	0.3765	0.3765	0.3765
Total area of Habitat Zone (ha)			0.02	0.001	0.013	0.022	0.938	0.009	0.059	0.026	0.003	0.474	0.474	0.108	0.018	0.064	0.076	0.041	0.043	0.089	0.1
Habitat Hectares (Hha)			0.008	0.001	0.009	0.015	0.393	0.006	0.034	0.010	0.000	0.258	0.166	0.038	0.005	0.024	0.029	0.015	0.016	0.034	0.038

Habitat Zone			HZ20	HZ21	HZ22	HZ23	HZ24	HZ25	HZ26	HZ27	HZ28	HZ29	HZ30	HZ31	HZ32	HZ33	HZ34	HZ35	HZ36	HZ37
EVC			Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Riparian Scrub (191)	Plains Grassy Forest (151)	Riparian Scrub (191)	Plains Grassy Forest (151)
Bioregion			Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain
Present in alignment option: AB, C, D			AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D
Bioregional Conservation Status (BCS)			V	V	V	V	V	V	V	V	V	V	V	v	V	V	V	V	V	V
Site Condition	Large Trees	10	0	0	7	0	0	0	0	0	2	12	9	9	9	15	0	7	0	2
	Tree Canopy Cover	5	0	0	2	0	0	0	0	0	2	2	8	2	4	5	2	5	2	4
	Lack of Weeds	15	2	2	9	9	0	9	9	9	11	9	4	7	4	13	15	13	15	13
	Understorey	25	0	0	5	5	5	5	5	5	15	15	2	5	5	4	15	15	15	15
	Recruitment	10	1	1	3	3	0	0	0	0	6	11	1	0	3	11	6	6	6	6
	Organic Litter	5	0	0	5	5	2	0	0	0	3	3	3	3	3	3	5	3	5	3
	Logs	5	0	0	3	3	5	0	0	0	2	5	5	4	5	5	0	5	0	5
	Total Site Score	75	3	3	34	25	12	14	14	14	41	57	32	30	33	56	43	54	43	48
Standardiser		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.15	1	1.15	1
Standardised Site Score		-	3	3	34	25	12	14	14	14	41	57	32	30	33	56	49.45	54	49.45	48
Landscape Context	Patch Size	10	1	1	4	4	1	1	8	8	8	8	8	1	8	8	8	8	8	8
	Distance to Core Area	5	1	1	1	1	3	3	4	4	4	4	4	3	4	4	4	4	4	4
	Neighbourhood	10	0	0	1	2	0	0	1	1	1	1	1	1	2	3	5	3	3	3
	Total Landscape Score	25	2	2	6	7	4	4	13	13	13	13	13	5	14	15	17	15	15	15
Habitat Score		100	5	5	40	32	16	18	27	27	54	70	45	35	47	71	66.45	69	64.45	63
Habitat Points = Score/100			0.05	0.05	0.4	0.32	0.16	0.18	0.27	0.27	0.54	0.7	0.45	0.35	0.47	0.71	0.6645	0.69	0.6445	0.63
Total area of Habitat Zone (ha)			0.89	0.097	0.523	0.546	0.034	0.022	2.669	1.747	0.296	0.248	0.047	0.009	0.399	0.081	0.233	0.032	1.072	0.27
Habitat Hectares (Hha)			0.045	0.005	0.209	0.175	0.005	0.004	0.721	0.472	0.160	0.174	0.021	0.003	0.188	0.058	0.155	0.022	0.691	0.170

Habitat Zone			HZ38	HZ39	HZ40	HZ41	HZ42	HZ43	HZ44	HZ46	HZ47	HZ48	HZ49	HZ50	HZ51	HZ52	HZ53	HZ295	HZ296	HZ298
EVC			Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Swamp Scrub (53)	Swamp Scrub (53)	Swamp Scrub (53)	Plains Grassy Forest (151)	Lowland Forest (16)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Swamp Scrub (53)	Plains Grassy Forest (151)	Swamp Scrub (53)
Bioregion			Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain
Present in alignment option: AB, C, D			AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB	C, D	C, D	D	D	D	AB	AB	AB
Bioregional Conservation Status (BCS)			V	V	V	E	V	E	V	V	V	V	V	V	V	V	V	E	V	E
Site Condition	Large Trees	10	12	9	9	12	7	0	0	0	7	6	0	9	15	1	0	0	0	0
	Tree Canopy Cover	5	4	2	2	8	1	0	0	0	5	4	0	4	2	0	0	2	0	2
	Lack of Weeds	15	13	8	8	7	4	7	7	0	10	9	7	5	10	10	4	0	0	0
	Understorey	25	15	15	15	4	5	5	5	5	15	10	5	15	15	2	15	0	5	0
	Recruitment	10	12	10	10	11	0	6	6	0	10	5	0	10	12	11	3	0	0	0
	Organic Litter	5	3	3	3	4	5	3	3	3	5	5	0	3	3	3	3	2	0	2
	Logs	5	5	5	5	4	5	0	0	0	5	4	0	5	6	6	2	0	0	0
	Total Site Score	75	64	52	52	50	27	21	21	8	57	43	12	51	63	33	27	4	5	4
Standardiser		-	1	1	1	1	1	1.15	1.15	1.15	1	1	1	1	1	1	1	1.15	1	1.15
Standardised Site Score		-	64	52	52	50	27	24.15	24.15	9.2	57	43	12	51	63	33	27	4.6	5	4.6
Landscape Context	Patch Size	10	8	8	8	8	4	1	1	1	8	8	1	8	8	8	1	1	1	1
	Distance to Core Area	5	4	4	4	4	3	3	3	3	4	4	3	4	4	4	3	1	1	1
	Neighbourhood	10	3	3	3	1	1	0	0	0	3	0	0	0	2	2	0	0	0	0
	Total Landscape Score	25	15	15	15	13	8	4	4	4	15	12	4	12	14	14	4	2	2	2
Habitat Score		100	79	67	67	63	35	28.15	28.15	13.2	72	55	16	63	77	47	31	6.6	7	6.6
Habitat Points = Score/100			0.79	0.67	0.67	0.63	0.35	0.2815	0.2815	0.132	0.72	0.55	0.16	0.63	0.77	0.47	0.31	0.066	0.07	0.066
Total area of Habitat Zone (ha)			0.561	0.364	0.276	0.235	0.151	0.005	0.003	0.03	2.66	0.165	3.618	1.203	0.081	0.013	0.025	0.009	0.043	0.004
Habitat Hectares (Hha)			0.443	0.244	0.185	0.148	0.053	0.001	0.001	0.004	1.915	0.091	0.579	0.758	0.062	0.006	0.008	0.001	0.003	0.000

Habitat Zone			HZ300	HZ302	HZ303	HZ304	HZ305	HZ306	HZ307	HZ308	HZ310	HZ311	HZ312	HZ317	HZ318	HZ319	HZ320	HZ321	HZ322	HZ323
EVC			Lowland Forest (16)	Lowland Forest (16)	Lowland Forest (16)	Heathy Woodland (48)	Lowland Forest (16)	Lowland Forest (16)	Lowland Forest (16)	Heathy Woodland (48)	Heathy Woodland (48)	Heathy Woodland (48)	Heathy Woodland (48)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Heathy Woodland (48)	Lowland Forest (16)	Lowland Forest (16)
Bioregion			Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain
Present in alignment option: AB, C, D			D	D	D	C	AB	AB	AB	C	C	C	C	C, D	C, D	C, D	C, D	C	AB	C
Bioregional Conservation Status (BCS)			V	V	V	LC	V	V	V	LC	LC	LC	LC	E	E	E	E	LC	V	V
Site Condition	Large Trees	10	0	0	0	1	2	2	2	8	8	0	0	0	0	4	0	9	0	0
	Tree Canopy Cover	5	2	2	2	2	2	2	2	5	5	0	0	0	4	3	0	4	0	0
	Lack of Weeds	15	0	0	0	2	2	2	2	4	4	0	0	4	2	2	4	2	4	4
	Understorey	25	0	0	0	0	5	5	5	15	15	5	5	5	0	5	5	0	5	5
	Recruitment	10	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0
	Organic Litter	5	2	2	2	5	3	3	3	5	5	2	2	2	3	3	2	2	5	5
	Logs	5	0	0	0	5	0	0	0	5	5	0	0	0	0	3	0	2	0	0
	Total Site Score	75	4	4	4	15	14	14	14	45	45	7	7	11	9	20	11	19	14	14
Standardiser		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Standardised Site Score		-	4	4	4	15	14	14	14	45	45	7	7	11	9	20	11	19	14	14
Landscape Context	Patch Size	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Distance to Core Area	5	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	1	1	1
	Neighbourhood	10	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0
	Total Landscape Score	25	2	2	2	2	2	2	2	2	2	2	2	5	5	5	5	2	2	2
Habitat Score		100	6	6	6	17	16	16	16	47	47	9	9	16	14	25	16	21	16	16
Habitat Points = Score/100			0.06	0.06	0.06	0.17	0.16	0.16	0.16	0.47	0.47	0.09	0.09	0.16	0.14	0.25	0.16	0.21	0.16	0.16
Total area of Habitat Zone (ha)			0.022	0.043	0.007	0.029	0.02	0.055	0.04	1.178	1.984	0.002	0.008	0.004	0.05	0.371	0.044	0.069	0.648	0.043
Habitat Hectares (Hha)			0.001	0.003	0.000	0.005	0.003	0.009	0.006	0.554	0.932	0.000	0.001	0.001	0.007	0.093	0.007	0.014	0.104	0.007

Habitat Zone			HZ324	HZ325	HZ326	HZ327	HZ333	HZ334	HZ335	HZ336	HZ337	HZ338	HZ339	HZ341	HZ342	HZ343	HZ345	HZ347	HZ348	HZ349	HZ350
EVC			Lowland Forest (16)	Lowland Forest (16)	Lowland Forest (16)	Lowland Forest (16)	Lowland Forest (16)	Lowland Forest (16)	Heathy Woodland (48)	Lowland Forest (16)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Swamp Scrub (53)	Swamp Scrub (53)	Plains Grassy Forest (151)	Plains Grassy Forest (151)
Bioregion			Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland d Plain	Gippsland d Plain	Gippsland Plain	Gippsland Plain
Present in alignment option: AB, C, D			C	C	C	C	AB	C	C	C	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D	AB, C, D
Bioregional Conservation Status (BCS)			V	V	V	V	V	V	LC	V	V	V	V	V	V	V	V	E	E	V	V
Site Condition	Large Trees	10	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Tree Canopy Cover	5	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	1	1	0	0
	Lack of Weeds	15	4	4	0	0	0	4	7	4	2	2	2	2	2	2	2	0	0	2	2
	Understorey	25	5	5	5	5	5	15	15	5	0	0	5	0	5	0	0	15	15	5	5
	Recruitment	10	0	0	5	5	5	0	10	0	1	1	1	1	1	1	1	0	0	1	1
	Organic Litter	5	5	5	4	4	4	3	5	5	0	0	0	0	0	0	0	5	5	0	0
	Logs	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Site Score	75	14	14	14	14	18	24	37	14	3	3	8	3	8	3	3	21	21	8	8
Standardiser		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.15	1.15	1	1
Standardised Site Score		-	14	14	14	14	18	24	37	14	3	3	8	3	8	3	3	24.15	24.15	8	8
Landscape Context	Patch Size	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Distance to Core Area	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Neighbourhood	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Landscape Score	25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Habitat Score		100	16	16	16	16	20	26	39	16	5	5	10	5	10	5	5	26.15	26.15	10	10
Habitat Points = Score/100			0.16	0.16	0.16	0.16	0.2	0.26	0.39	0.16	0.05	0.05	0.1	0.05	0.1	0.05	0.05	0.2615	0.2615	0.1	0.1
Total area of Habitat Zone (ha)			0.109	0.037	0.062	0.012	0.135	1.109	0.684	0.218	0.205	0.007	0.03	0.042	0.03	0.005	0.014	0.083	0.3454	0.008	0.0285
Habitat Hectares (Hha)			0.017	0.006	0.010	0.002	0.027	0.288	0.267	0.035	0.010	0.000	0.003	0.002	0.003	0.000	0.001	0.022	0.090	0.001	0.003

Habitat Zone			HZ351	HZ352	HZ353	HZ358	HZ359	HZ360	HZ361	HZ362	HZ363	HZ364	HZ365	HZ366	HZ367	HZ368	HZ369	HZ370
EVC			Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Plains Grassy Forest (151)	Lowland Forest (16)	Lowland Forest (16)	Lowland Forest (16)	Lowland Forest/ Heathy Woodland Mosaic (698)	Lowland Forest/ Heathy Woodland Mosaic (698)	Lowland Forest/ Heathy Woodland Mosaic (698)	Lowland Forest/ Heathy Woodland Mosaic (698)	Lowland Forest/ Heathy Woodland Mosaic (698)	Lowland Forest/ Heathy Woodland Mosaic (698)	Lowland Forest/ Heathy Woodland Mosaic (698)	Riparian Scrub (191)	Lowland Forest / Healthy Woodland Mosaic (698)
Bioregion			Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain	Gippsland Plain
Present in alignment option: AB, C, D			AB, C, D	AB, C, D	AB, C, D	AB, C, D	D	D	D	AB	AB	AB	AB	AB	AB	AB	AB	AB, C, D
Bioregional Conservation Status (BCS)			V	V	V	V	V	V	V	N/A	N/A	N/A	N/A	N/A	N/A	N/A	V	N/A
Site Condition	Large Trees	10	0	0	0	0	MODELLED	MODELLED	MODELLED	MODELLED	MODELLED	MODELLED	MODELLED	MODELLED	MODELLED	MODELLED	MODELLED	MODELLED
	Tree Canopy Cover	5	0	0	0	3												
	Lack of Weeds	15	2	2	2	15												
	Understorey	25	5	5	5	5												
	Recruitment	10	1	1	1	5												
	Organic Litter	5	0	0	0	3												
	Logs	5	0	0	0	0												
	Total Site Score	75	8	8	8	31												
Standardiser		-	1	1	1	1												
Standardised Site Score		-	8	8	8	31												
Landscape Context	Patch Size	10	1	1	1	1												
	Distance to Core Area	5	1	1	1	3												
	Neighbourhood	10	0	0	0	2												
	Total Landscape Score	25	2	2	2	6												
Habitat Score		100	10	10	10	37	32	20	20	25	20	33	20	20	53	33	28	47
Habitat Points = Score/100			0.1	0.1	0.1	0.37	0.32	0.2	0.2	0.25	0.2	0.33	0.2	0.2	0.53	0.33	0.28	0.47
Total area of Habitat Zone (ha)			0.0142	0.152	0.006	0.026	0.455	0.415	0.085	0.026	0.048	0.067	0.219	0.187	0.609	0.777	0.437	1.964
Habitat Hectares (Hha)			0.001	0.015	0.001	0.010	0.146	0.083	0.017	0.007	0.010	0.022	0.044	0.037	0.323	0.256	0.122	0.923

Appendix 4
Native trees

Appendix 4 Native trees

Summary of native canopy trees (large trees in patches and scattered trees) within the project area

Tree ID	Common Name	Scientific Name	Tree Type	DBH	TPZ	Status		Project information		Location		
						Lost/retained	Reason	Option	Chainage	Parcel SPI	Easting	Northing
1	Stag	Stag	Large Scattered Tree	86	10.32	Lost	Easement	AB C D	4900	8A~1\PP3874	495562.7038	5735262.505
2	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	84	10.08	Lost	Alignment buffer	AB C D	6650	22~1\PP3874	493595.098	5736070.816
3	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	86	10.32	Lost	Alignment buffer	AB C D	6650	22~1\PP3874	493581.6753	5736068.703
4	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Scattered Tree	92	11.04	Retained	Outside alignment buffer	AB C D	6700	Road easement	493220.237	5736118.527
5	Coast Grey-box	Eucalyptus bosistoana	Large Tree in Patch	76	9.12	Retained	Alignment buffer	AB C D	7750	Road easement	493530.8555	5737889.707
6	Coast Grey-box	Eucalyptus bosistoana	Large Tree in Patch	94	11.28	Retained	Alignment buffer	AB C D	7750	Road easement	493535.3182	5737904.549
7	But But	Eucalyptus bridgesiana s.l.	Large Tree in Patch	129	15	Retained	Alignment buffer	AB C D	7750	Road easement	493540.5936	5737951.12
8	Coast Grey-box	Eucalyptus bosistoana	Small Scattered Tree	20	2.4	Retained	Alignment buffer	AB C D	7700	34C~1\PP3874	493541.8018	5737866.67
9	Coast Grey-box	Eucalyptus bosistoana	Small Scattered Tree	35	4.2	Lost	Construction Primary Access – New	AB C D	7750	34C~1\PP3874	493549.3232	5737918.433
10	Swamp Gum	Eucalyptus ovata	Small Scattered Tree	19	2.28	Lost	Construction Primary Access – New	AB C D	7750	34C~1\PP3874	493548.5483	5737935.496
11	Swamp Gum	Eucalyptus ovata	Small Scattered Tree	33	3.96	Lost	Construction Primary Access – New	AB C D	7750	34C~1\PP3874	493551.4948	5737937.255
12	But But	Eucalyptus bridgesiana s.l.	Small Scattered Tree	64	7.68	Lost	Easement	AB C D	7900	2\LP141719	494797.1136	5738026.091
13	But But	Eucalyptus bridgesiana s.l.	Small Scattered Tree	46	5.52	Retained	Alignment buffer	AB C D	8050	2\LP141719	494848.9063	5738199.391
14	But But	Eucalyptus bridgesiana s.l.	Small Scattered Tree	53	6.36	Retained	Alignment buffer	AB C D	8100	2\LP141719	494846.2546	5738251.896
15	But But	Eucalyptus bridgesiana s.l.	Large Scattered Tree	126	15	Lost	Easement	AB C D	8350	1\LP141719	494823.339	5738474.824
16	Yellow Stringybark	Eucalyptus muelleriana	Large Scattered Tree	83	9.96	Lost	Easement	AB C D	8900	1\LP141719	494851.3505	5739026.312
17	Yellow Stringybark	Eucalyptus muelleriana	Large Scattered Tree	70	8.4	Lost	Easement	AB C D	8900	1\LP141719	494851.2976	5739033.077
18	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	71	8.52	Lost	Alignment buffer	AB C D	9000	Road easement	492536.0144	5740265.551
19	Swamp Gum	Eucalyptus ovata	Large Tree in Patch	71	8.52	Lost	Alignment buffer	AB C D	9000	Road easement	492523.9025	5740273.036
20	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Tree in Patch	92	11.04	Lost	Construction	AB C D	9000	4~4\PP3874	494891.1407	5739122.848
21	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Tree in Patch	85	10.2	Lost	Construction	AB C D	9000	4~4\PP3874	494886.4965	5739123.83
22	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Tree in Patch	88	10.56	Lost	Construction Primary Access – New	AB C D	9000	4~4\PP3874	494868.9697	5739126.297
23	Manna Gum	Eucalyptus viminalis	Large Tree in Patch	96	11.52	Lost	Easement	AB C D	9000	4~4\PP3874	494845.413	5739130.812
24	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	77	9.24	Lost	Alignment buffer	AB C D	9150	4~4\PP3874	494979.1349	5739267.49
25	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	74	8.88	Lost	Alignment buffer	AB C D	9200	4~4\PP3874	494989.6706	5739287.414
26	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	175	15	Lost	Construction	AB C D	9200	4~4\PP3874	494927.1984	5739306.013
27	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Small Scattered Tree	62	7.44	Lost	Easement	AB C D	9550	4~4\PP3874	495074.493	5739644.513
28	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Scattered Tree	78	9.36	Lost	Construction	AB C D	9750	4~4\PP3874	495061.3971	5739819.65
29	Swamp Gum	Eucalyptus ovata	Small Scattered Tree	68	8.16	Lost	Construction Primary Access – New	AB C D	9750	3\PS821629	494048.5863	5740038.404
30	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	79	9.48	Lost	Alignment buffer	AB C D	9750	4~4\PP3874	493902.4489	5740052.746
31	Swamp Gum	Eucalyptus ovata	Large Tree in Patch	73	8.76	Lost	Construction Primary Access – New	AB C D	9750	Road easement	492559.3754	5740313.928
32	Swamp Gum	Eucalyptus ovata	Large Tree in Patch	104	12.48	Retained	Alignment buffer	AB C D	9800	Road easement	492597.1254	5740332.164
33	Swamp Gum	Eucalyptus ovata	Small Scattered Tree	53	6.36	Lost	Construction Primary Access – New	AB C D	9750	3\PS821629	494040.9076	5740050.164
34	Coast Grey-box	Eucalyptus bosistoana	Large Tree in Patch	74	8.88	Retained	Outside alignment buffer	AB C D	9750	Road easement	492532.5985	5740326.479
35	But But	Eucalyptus bridgesiana s.l.	Large Scattered Tree	83	9.96	Retained	Alignment buffer	AB C D	11050	2\PS821629	495320.937	5741102.494
36	But But	Eucalyptus bridgesiana s.l.	Large Scattered Tree	172	15	Retained	Alignment buffer	AB C D	11250	2\PS821629	495353.1489	5741290.695
37	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	128	15	Lost	Construction	AB C D	11500	2\PS821629	495390.2058	5741559.68
38	But But	Eucalyptus bridgesiana	Large Tree in Patch	82	9.84	Lost	Easement	AB C D	11500	2\PS821629	495376.091	5741560.617
39	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Scattered Tree	75	9	Retained	Alignment buffer	AB C D	11600	1~4\PP3874	495412.5714	5741645.719
40	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Small Tree in Patch	50	6	Lost	Alignment buffer	AB C D	11850	1~4\PP3874	495454.5796	5741911.28
41	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Small Tree in Patch	48	5.76	Lost	Alignment buffer	AB C D	11850	1~4\PP3874	495455.7158	5741923.353

Tree ID	Common Name	Scientific Name	Tree Type	DBH	TPZ	Status		Project information		Location		
						Lost/retained	Reason	Option	Chainage	Parcel SPI	Easting	Northing
42	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Small Scattered Tree	58	6.96	Lost	Construction	AB C D	11900	1~4\PP3874	495453.455	5741942.734
43	Yellow Box	Eucalyptus melliodora	Large Tree in Patch	81	9.72	Lost	Easement	AB C D	12250	Road easement	495510.0531	5742324.34
44	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	77	9.24	Lost	Easement	AB C D	12450	17A~5\PP2497	495616.447	5742489.774
45	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	86	10.32	Lost	Easement	AB C D	12500	17A~5\PP2497	495626.5177	5742492.285
48	Apple Box	Eucalyptus bridgesiana s.l.	Large Tree in Patch	136	15	Lost	Construction Primary Access – New	AB C D	12800	Road easement	495518.8083	5742790.31
49	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	74	8.88	Lost	Construction Primary Access – New	AB C D	12800	Road easement	495509.3402	5742790.635
50	But But	Eucalyptus bridgesiana s.l.	Large Tree in Patch	131	15	Lost	Construction Primary Access – New	AB C D	12800	Road easement	495542.0945	5742794.816
51	Stag	Stag	Large Tree in Patch	73	8.76	Lost	Easement	AB C D	12800	Road easement	495607.8046	5742794.291
52	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	73	8.76	Lost	Easement	AB C D	12800	Road easement	495573.4598	5742794.913
53	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	70	8.4	Lost	Easement	AB C D	12800	Road easement	495575.2955	5742798.975
54	Stag	Stag	Large Tree in Patch	70	8.4	Lost	Construction Primary Access – New	AB C D	12800	21~5\PP2497	495593.4182	5742801.596
55	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	78	9.36	Lost	Easement	AB C D	12800	21~5\PP2497	495577.815	5742801.695
56	Stag	Stag	Large Tree in Patch	71	8.52	Lost	Alignment buffer	AB C D	12750	Road easement	495635.844	5742775.299
57	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	90	10.8	Lost	Alignment buffer	AB C D	12800	Road easement	495565.0546	5742773.86
58	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	74	8.88	Lost	Alignment buffer	AB C D	12750	Road easement	495631.6318	5742777.632
59	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	86	10.32	Lost	Easement	AB C D	12750	Road easement	495617.5035	5742778.667
60	Stag	Stag	Large Scattered Tree	90	10.8	Retained	Alignment buffer	AB C D	12950	17~5\PP2497	495637.9828	5742936.936
61	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	70	8.4	Lost	Construction	AB C D	13250	21~5\PP2497	495624.5804	5743236.232
62	Stag	Stag	Large Scattered Tree	120	14.4	Lost	Alignment buffer	AB C D	13350	17~5\PP2497	495698.1276	5743318.815
63	Yellow Stringybark	Eucalyptus muelleriana	Large Scattered Tree	90	10.8	Retained	Alignment buffer	AB C D	13350	17~5\PP2497	495712.7423	5743353.202
64	Eucalyptus sp.	Eucalyptus sp.	Large Scattered Tree	70	8.4	Retained	Alignment buffer	AB C D	13400	17~5\PP2497	495718.6897	5743412.588
65	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	90	10.8	Retained	Alignment buffer	AB C D	13900	17~5\PP2497	495802.1652	5743893.576
66	Yellow Stringybark	Eucalyptus muelleriana	Large Scattered Tree	75	9	Retained	Alignment buffer	AB C D	14000	16~5\PP2497	495818.1644	5744002.121
67	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	97	11.64	Lost	Alignment buffer	AB C D	14200	Road easement	494921.2759	5744335.783
68	Apple Box	Eucalyptus bridgesiana s.l.	Large Tree in Patch	103	12.36	Lost	Alignment buffer	AB C D	14200	Road easement	494920.4197	5744338.305
69	Yellow Box	Eucalyptus melliodora	Large Tree in Patch	86	10.32	Lost	Alignment buffer	AB C D	14200	Road easement	494926.9168	5744340.742
70	Yellow Box	Eucalyptus melliodora	Large Tree in Patch	88	10.56	Lost	Alignment buffer	AB C D	14200	Road easement	494924.2632	5744346.091
71	Yellow Stringybark	Eucalyptus muelleriana	Large Scattered Tree	90	10.8	Retained	Alignment buffer	AB C D	14250	16~5\PP2497	495851.0868	5744210.43
72	Yellow Stringybark	Eucalyptus muelleriana	Large Scattered Tree	75	9	Retained	Alignment buffer	AB C D	14300	16~5\PP2497	495857.4866	5744260.786
73	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	104	12.48	Lost	Mowat Construction	AB C D	14300	19~5\PP2497	495837.8145	5744297.968
74	Yellow Stringybark	Eucalyptus muelleriana	Small Scattered Tree	30	3.6	Retained	Alignment buffer	AB C D	14300	16~5\PP2497	495864.5825	5744295.592
75	Yellow Stringybark	Eucalyptus muelleriana	Large Scattered Tree	110	13.2	Retained	Alignment buffer	AB C D	14400	16~5\PP2497	495875.1335	5744379.219
76	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	84	10.08	Lost	Mowat Construction	AB C D	14400	19~5\PP2497	495832.498	5744379.869
77	But But	Eucalyptus bridgesiana s.l.	Large Tree in Patch	100	12	Lost	Alignment buffer	AB C D	14500	19~5\PP2497	495855.1241	5744499.035
78	Yellow Stringybark	Eucalyptus muelleriana	Small Scattered Tree	60	7.2	Retained	Alignment buffer	AB C D	14550	16~5\PP2497	495900.9588	5744515.033
79	Yellow Stringybark	Eucalyptus muelleriana	Large Scattered Tree	70	8.4	Retained	Alignment buffer	AB C D	14550	16~5\PP2497	495903.0132	5744518.902
80	Stag	Stag	Large Scattered Tree	86	10.32	Lost	Mowat Construction	AB C D	14600	19~5\PP2497	495870.5546	5744580.019
81	Stag	Stag	Large Scattered Tree	65	7.8	Retained	Alignment buffer	AB C D	14600	19~5\PP2497	495858.9196	5744581.988
82	Yellow Box	Eucalyptus melliodora	Small Scattered Tree	56	6.72	Lost	Mowat Construction	AB C D	14700	19~5\PP2497	495886.0582	5744686.043
83	Stag	Stag	Large Scattered Tree	110	13.2	Lost	Easement	AB C D	14900	19~5\PP2497	495851.989	5744865.188
84	Yellow Stringybark	Eucalyptus muelleriana	Large Scattered Tree	70	8.4	Lost	Easement	AB C D	14900	19~5\PP2497	495845.2458	5744888.151
85	Yellow Stringybark	Eucalyptus muelleriana	Large Scattered Tree	90	10.8	Lost	Easement	AB C D	14900	19~5\PP2497	495854.0391	5744882.334
86	Yellow Stringybark	Eucalyptus muelleriana	Small Scattered Tree	67	8.04	Retained	Alignment buffer	AB C D	15300	19~5\PP2497	495883.419	5745185.488
87	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	84	10.08	Lost	Mowat Construction	AB C D	15500	19~5\PP2497	495990.1059	5745367.18
88	Yellow Box	Eucalyptus melliodora	Small Scattered Tree	37	4.44	Lost	Mowat Construction	AB C D	15500	19~5\PP2497	495995.5475	5745367.502
89	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	100	12	Retained	Alignment buffer	AB C D	15500	19~5\PP2497	495967.2924	5745387.525
90	Yellow Box	Eucalyptus melliodora	Small Scattered Tree	66	7.92	Lost	Mowat Construction	AB C D	15500	19~5\PP2497	496013.6405	5745379.08
91	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	101	12.12	Lost	Mowat Construction	AB C D	15500	19~5\PP2497	496021.8344	5745386.478
92	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	100	12	Retained	Alignment buffer	AB C D	15800	25~5\PP2497	496297.8124	5745470.868
94	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Scattered Tree	154	15	Lost	Alignment buffer	AB C D	15800	25~5\PP2497	496269.9674	5745537.927
95	But But	Eucalyptus bridgesiana s.l.	Large Scattered Tree	107	12.84	Retained	Alignment buffer	AB C D	15850	25~5\PP2497	496352.7739	5745491.811
96	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	91	10.92	Lost	Construction	AB C D	15850	25~5\PP2497	496311.8474	5745546.957
97	But But	Eucalyptus bridgesiana s.l.	Large Scattered Tree	95	11.4	Retained	Alignment buffer	AB C D	16300	15~5\PP2497	496707.5575	5745737.291
98	Yellow Stringybark	Eucalyptus muelleriana	Small Scattered Tree	56	6.72	Retained	Alignment buffer	AB C D	17400	22A~5\PP2497	497650.4019	5746283.734
99	Yellow Stringybark	Eucalyptus muelleriana	Small Scattered Tree	64	7.68	Retained	Alignment buffer	AB C D	17400	22A~5\PP2497	497653.777	5746290.101
100	Yellow Box	Eucalyptus melliodora	Large Tree in Patch	78	9.36	Lost	Alignment buffer	AB C D	17450	Road easement	497611.0763	5746345.6
101	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	93	11.16	Lost	Alignment buffer	AB C D	19850	Road easement	496815.6877	5748540.06

Tree ID	Common Name	Scientific Name	Tree Type	DBH	TPZ	Status		Project information		Location		
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102	Swamp Gum	Eucalyptus ovata	Large Tree in Patch	112	13.44	Lost	Alignment buffer	AB C D	19850	Road easement	496826.0188	5748560.09
103	But But	Eucalyptus bridgesiana s.l.	Large Tree in Patch	125	15	Lost	Alignment buffer	AB C D	19850	Road easement	496841.5029	5748595.185
108	Stag	Stag	Large Scattered Tree	106	12.72	Retained	Alignment buffer	C D	21400	Road easement	499189.6542	5749621.886
109	Apple Box	Eucalyptus bridgesiana s.l.	Large Scattered Tree	106	12.72	Lost	Easement	C D	21400	1~1\PP2497	499142.7374	5749630.641
110	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	138	15	Retained	Alignment buffer	C D	21400	Road easement	499195.8389	5749655.256
111	But But	Eucalyptus bridgesiana s.l.	Large Scattered Tree	134	15	Lost	Laydown Area	C D	21400	1~1\PP2497	499121.7312	5749678.456
112	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	87	10.44	Retained	Alignment buffer	C D	21400	1~1\PP2497	499078.0041	5749702.432
113	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	122	14.64	Lost	Easement	C D	21500	Road easement	499191.2427	5749734.804
114	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	100	12	Lost	Alignment buffer	C D	21750	2\LP73913	499193.5727	5749978.475
115	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	106	12.72	Lost	Alignment buffer	C D	21800	2\LP73913	499190.7545	5750012.676
116	Stag	Stag	Large Tree in Patch	75	9	Lost	Alignment buffer	C D	21800	2\LP73913	499187.2548	5750015.969
117	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Tree in Patch	136	15	Lost	Easement	C D	21800	2\LP73913	499219.2235	5750034.376
118	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Tree in Patch	90	10.8	Lost	Easement	C D	21800	2\LP73913	499199.3163	5750050.879
119	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	110	13.2	Lost	Alignment buffer	C D	21850	2\LP73913	499195.0771	5750082.254
120	Gippsland Peppermint	Eucalyptus croajingolensis	Large Tree in Patch	214	15	Lost	Easement	C D	22150	2\LP73913	499257.9034	5750362.524
121	Swamp Gum	Eucalyptus ovata	Large Tree in Patch	81	9.72	Lost	Construction Primary Access – New	D	23950	1\LP130098	499633.1603	5752117.585
1033	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	109	13.08	Lost	Alignment buffer	AB C D	19850	4~1\PP2497	497090.1139	5748512.925
1034	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	94	11.28	Lost	Alignment buffer	AB C D	19850	4~1\PP2497	497105.1326	5748511.545
1035	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	85	10.2	Retained	Alignment buffer	AB C D	19850	4~1\PP2497	497115.5363	5748509.13
1036	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	103	12.36	Retained	Alignment buffer	AB C D	19850	4~1\PP2497	497630.3566	5748423.325
1037	Manna Gum	Eucalyptus viminalis	Large Scattered Tree	137	15	Lost	Construction	AB C D	18150	6~1\PP2497	498408.5286	5746340.113
1038	Manna Gum	Eucalyptus viminalis	Large Scattered Tree	76	9.12	Lost	Construction	AB C D	18300	6~1\PP2497	498490.0508	5746444.528
1039	Manna Gum	Eucalyptus viminalis	Large Scattered Tree	72	8.64	Lost	Construction	AB C D	18300	6~1\PP2497	498498.5163	5746447.727
1040	Stag	Stag	Large Scattered Tree	112	13.44	Retained	Outside alignment buffer	AB C D	18300	Road easement	498517.3546	5746406.537
1041	Manna Gum	Eucalyptus viminalis	Large Scattered Tree	113	13.56	Retained	Outside alignment buffer	AB C D	18300	Road easement	498512.4276	5746396.153
1042	Manna Gum	Eucalyptus viminalis	Large Scattered Tree	95	11.4	Retained	Outside alignment buffer	AB C D	18300	Road easement	498519.2742	5746397.06
1043	Stag	Stag	Large Scattered Tree	81	9.72	Retained	Outside alignment buffer	AB C D	18300	Road easement	498518.3661	5746391.317
1044	Manna Gum	Eucalyptus viminalis	Large Scattered Tree	119	14.28	Retained	Outside alignment buffer	AB C D	18250	Road easement	498514.3013	5746380.924
1045	Coast Grey-box	Eucalyptus bosistoana	Large Tree in Patch	73	8.76	Lost	Alignment buffer	AB C D	12500	17A~5\PP2497	495594.4225	5742500.474
1046	Yertchuk	Eucalyptus consideniana	Large Tree in Patch	74	8.88	Lost	Easement	AB C D	12500	17A~5\PP2497	495624.4763	5742502.088
1048	Eucalyptus bosistoana	Eucalyptus bosistoana	Large Tree in Patch	74	8.88	Lost	Easement	AB C D	12500	17A~5\PP2497	495614.4561	5742513.509
1049	Manna Gum	Eucalyptus viminalis	Large Tree in Patch	86	10.32	Lost	Easement	AB C D	12550	17A~5\PP2497	495643.3875	5742577.379
1050	Yertchuk	Eucalyptus consideniana	Large Tree in Patch	95	11.4	Lost	Alignment buffer	AB C D	12500	17A~5\PP2497	495645.1234	5742513.314
1051	Yertchuk	Eucalyptus consideniana	Large Tree in Patch	74	8.88	Lost	Alignment buffer	AB C D	12500	17A~5\PP2497	495640.0655	5742500.201
1052	Yertchuk	Eucalyptus consideniana	Large Tree in Patch	78	9.36	Lost	Easement	AB C D	12500	17A~5\PP2497	495626.8322	5742505.62
1054	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	103	12.36	Lost	Easement	AB C D	12450	17A~5\PP2497	495607.8119	5742488.647
1377	Manna Gum	Eucalyptus viminalis	Large Tree in Patch	103	12.36	Retained	Outside alignment buffer	AB C D	15400	19~5\PP2497	495898.6204	5745356.024
1378	Yellow Stringybark	Eucalyptus muelleriana	Large Scattered Tree	98	11.76	Retained	Outside alignment buffer	AB C D	15450	19~5\PP2497	495926.8111	5745361.576
1429	Yellow Stringybark	Eucalyptus muelleriana	Large Scattered Tree	101	12.12	Retained	Alignment buffer	AB C D	15250	19~5\PP2497	495901.397	5745129.134
1430	Yellow Stringybark	Eucalyptus muelleriana	Large Scattered Tree	82	9.84	Retained	Outside alignment buffer	AB C D	15250	19~5\PP2497	495889.2002	5745135.627
1431	Yellow Box	Eucalyptus melliodora	Large Tree in Patch	81	9.72	Retained	Outside alignment buffer	AB C D	18100	Road easement	498409.3877	5746236.579
1432	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	75	9	Retained	Outside alignment buffer	AB C D	18100	Road easement	498394.2884	5746242.956
1433	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	85	10.2	Lost	Alignment buffer	AB C D	18100	Road easement	498361.7203	5746252.921
1434	Swamp Gum	Eucalyptus ovata	Large Tree in Patch	79	9.48	Retained	Outside alignment buffer	AB C D	17950	Road easement	498181.2583	5746276.442

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1435	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	75	9	Lost	Construction Primary Access – New	AB C D	17850	Road easement	498093.117	5746293.418
1436	But But	Eucalyptus bridgesiana s.l.	Large Tree in Patch	83	9.96	Lost	Alignment buffer	AB C D	17850	Road easement	498075.2185	5746295.684
1437	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	87	10.44	Retained	Outside alignment buffer	AB C D	17750	Road easement	497953.2723	5746316.316
1438	But But	Eucalyptus bridgesiana s.l.	Large Tree in Patch	104	12.48	Retained	Outside alignment buffer	AB C D	17500	Road easement	497762.8449	5746325.08
1439	But But	Eucalyptus bridgesiana s.l.	Large Tree in Patch	100	12	Retained	Outside alignment buffer	AB C D	17500	Road easement	497748.5448	5746328.02
1440	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	78	9.36	Retained	Outside alignment buffer	AB C D	17400	22A~5\PP2497	497568.5912	5746345.559
1441	Stag	Stag	Large Tree in Patch	72	8.64	Retained	Outside alignment buffer	AB C D	17500	Road easement	497709.8309	5746350.998
1442	But But	Eucalyptus bridgesiana	Large Tree in Patch	103	12.36	Retained	Outside alignment buffer	AB C D	17450	Road easement	497576.922	5746375.051
1443	But But	Eucalyptus bridgesiana s.l.	Large Tree in Patch	86	10.32	Retained	Outside alignment buffer	AB C D	17400	Road easement	497479.0833	5746391.468
1444	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	71	8.52	Retained	Outside alignment buffer	AB C D	18200	Road easement	498495.1813	5746222.422
1445	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	92	11.04	Retained	Outside alignment buffer	AB C D	18050	Road easement	498343.105	5746227.071
1446	Yellow Stringybark	Eucalyptus muelleriana	Large Scattered Tree	79	9.48	Retained	Outside alignment buffer	AB C D	17350	22A~5\PP2497	497491.5941	5746326.826
1447	Swamp Gum	Eucalyptus ovata	Small Scattered Tree	29	3.48	Retained	Outside alignment buffer	AB C D	17400	Road easement	497778.6725	5746200.362
1459	But But	Eucalyptus bridgesiana s.l.	Large Tree in Patch	91	10.92	Retained	Outside alignment buffer	AB C D	12800	Road easement	495481.9423	5742791.482
1460	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	106	12.72	Retained	Outside alignment buffer	AB C D	12800	Road easement	495464.2072	5742791.264
1461	Swamp Gum	Eucalyptus ovata	Large Tree in Patch	77	9.24	Retained	Outside alignment buffer	AB C D	9400	Road easement	495075.2271	5739499.878
1462	Swamp Gum	Eucalyptus ovata	Large Tree in Patch	81	9.72	Retained	Outside alignment buffer	AB C D	9450	Road easement	495079.3386	5739503.338
1523	But But	Eucalyptus bridgesiana s.l.	Large Tree in Patch	84	10.08	Retained	Outside alignment buffer	AB C D	9800	Road easement	492599.0017	5740350.842
1524	But But	Eucalyptus bridgesiana s.l.	Large Tree in Patch	85	10.2	Retained	Outside alignment buffer	AB C D	9800	Road easement	492614.6778	5740361.18
1525	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	82	9.84	Retained	Outside alignment buffer	AB C D	9850	Road easement	492622.2884	5740374.221
1526	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	86	10.32	Retained	Outside alignment buffer	AB C D	9850	Road easement	492628.8624	5740386.652
1533	But But	Eucalyptus bridgesiana s.l.	Large Tree in Patch	72	8.64	Retained	Outside alignment buffer	AB C D	8400	1\LP141719	494515.9499	5738559.602
1534	But But	Eucalyptus bridgesiana s.l.	Large Tree in Patch	106	12.72	Retained	Outside alignment buffer	AB C D	8400	1\LP141719	494519.1604	5738565.096
1535	But But	Eucalyptus bridgesiana s.l.	Large Tree in Patch	78	9.36	Retained	Outside alignment buffer	AB C D	8450	1\LP141719	494522.5572	5738582.618
1588	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	86	10.32	Retained	Outside alignment buffer	AB C D	7750	Road easement	494429.2655	5737881.886
1589	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	109	13.08	Retained	Outside alignment buffer	AB C D	7750	Road easement	494412.8388	5737887.833
1590	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Tree in Patch	79	9.48	Retained	Outside alignment buffer	AB C D	7750	Road easement	494436.2341	5737897.098
1591	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Tree in Patch	73	8.76	Retained	Outside alignment buffer	AB C D	7750	1\LP141719	494419.0407	5737913.111
1592	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	100	12	Retained	Alignment buffer	AB C D	11500	2\PS821629	495324.965	5741568.409
1593	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	76	9.12	Retained	Outside alignment buffer	AB C D	12350	21A~5\PP2497	495482.4743	5742429.957
1594	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	99	11.88	Retained	Outside alignment buffer	AB C D	12450	21A~5\PP2497	495526.4565	5742469.787
1595	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	74	8.88	Retained	Outside alignment buffer	AB C D	12450	21A~5\PP2497	495503.7233	5742479.148
1596	Yellow Box	Eucalyptus melliodora	Large Tree in Patch	92	11.04	Retained	Outside alignment buffer	AB C D	12450	21A~5\PP2497	495546.84	5742489.376

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1597	Yellow Box	Eucalyptus melliodora	Large Tree in Patch	76	9.12	Retained	Outside alignment buffer	AB C D	12500	21A~5\PP2497	495558.5177	5742512.433
1598	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	77	9.24	Retained	Outside alignment buffer	AB C D	12500	21A~5\PP2497	495564.6909	5742532.781
1599	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	91	10.92	Retained	Outside alignment buffer	AB C D	12550	21A~5\PP2497	495570.1578	5742560.302
1600	Stag	Stag	Large Tree in Patch	85	10.2	Retained	Outside alignment buffer	AB C D	12600	21A~5\PP2497	495575.8224	5742603.487
1601	Stag	Stag	Large Tree in Patch	87	10.44	Retained	Outside alignment buffer	AB C D	14550	19~5\PP2497	495819.7745	5744538.36
1602	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	79	9.48	Retained	Outside alignment buffer	AB C D	18250	Road easement	498516.1761	5746375.119
1603	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	78	9.36	Retained	Outside alignment buffer	AB C D	18300	Road easement	498513.5561	5746389.569
1812	Yellow Box	Eucalyptus melliodora	Large Tree in Patch	70	8.4	Retained	Outside alignment buffer	AB C D	12300	21A~5\PP2497	495502.7097	5742351.205
1813	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	97	11.64	Retained	Outside alignment buffer	AB C D	12300	21A~5\PP2497	495521.1036	5742371.829
1814	Swamp Gum	Eucalyptus ovata	Small Scattered Tree	46	5.52	Retained	Outside alignment buffer	AB C D	7350	34B~1\PP3874	494672.252	5737449.287
1815	Yellow Stringybark	Eucalyptus muelleriana	Large Scattered Tree	78	9.36	Retained	Outside alignment buffer	AB C D	7750	2\LP141719	494456.8038	5737921.436
1816	Stag	Stag	Large Scattered Tree	78	9.36	Retained	Outside alignment buffer	AB C D	8600	1\LP141719	494632.8018	5738724.246
1817	Stag	Stag	Large Scattered Tree	54	6.48	Retained	Outside alignment buffer	AB C D	8600	1\LP141719	494629.9943	5738726.733
1818	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	93	11.16	Retained	Outside alignment buffer	AB C D	9400	Road easement	495073.2602	5739472.167
1819	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	72	8.64	Retained	Outside alignment buffer	AB C D	12250	21A~5\PP2497	495467.1361	5742351.352
1820	Yellow Stringybark	Eucalyptus muelleriana	Large Scattered Tree	74	8.88	Retained	Outside alignment buffer	AB C D	14500	19~5\PP2497	495816.6319	5744490.247
1821	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	78	9.36	Lost	Mowat Construction	AB C D	15400	19~5\PP2497	495973.7926	5745238.589
1822	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	103	12.36	Lost	Mowat Construction	AB C D	15400	19~5\PP2497	495980.28	5745248.299
1823	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	85	10.2	Retained	Alignment buffer	AB C D	15500	16~5\PP2497	496027.0656	5745321.285
1840	Swamp Gum	Eucalyptus ovata	Small Scattered Tree	45	5.4	Retained	Outside alignment buffer	AB C D	7450	34B~1\PP3874	494553.3042	5737546.164
1841	Swamp Gum	Eucalyptus ovata	Small Scattered Tree	50	6	Retained	Outside alignment buffer	AB C D	7450	34B~1\PP3874	494540.6046	5737550.694
1856	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	90	10.8	Retained	Outside alignment buffer	AB C D	14550	19~5\PP2497	495804.7827	5744523.515
1857	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	73	8.76	Retained	Outside alignment buffer	AB C D	12450	21A~5\PP2497	495549.1481	5742458.179
1858	Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Tree in Patch	105	12.6	Retained	Outside alignment buffer	AB C D	12400	21A~5\PP2497	495547.2373	5742441.753
1859	But But	Eucalyptus bridgesiana s.l.	Large Tree in Patch	83	9.96	Retained	Outside alignment buffer	AB C D	19850	Road easement	496818.1233	5748527.67
1860	Stag	Stag	Large Tree in Patch	109	13.08	Retained	Outside alignment buffer	AB C D	19850	Road easement	496856.5013	5748624.762
1861	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	71	8.52	Retained	Outside alignment buffer	C D	21750	2\LP73913	499159.3391	5749979.029
1862	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	93	11.16	Retained	Outside alignment buffer	AB C D	18300	Road easement	498523.4606	5746391.909
1863	Stag	Stag	Large Tree in Patch	84	10.08	Retained	Outside alignment buffer	AB C D	18300	7~1\PP2497	498527.0155	5746385.331
2067	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	113	13.56	Retained	Outside alignment buffer	AB C D	8000	2\LP141719	494533.9414	5738162.168
2068	But But	Eucalyptus bridgesiana s.l.	Large Tree in Patch	112	13.44	Retained	Outside alignment buffer	AB C D	8450	1\LP141719	494508.6754	5738576.184
2069	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Scattered Tree	64	7.68	Retained	Outside alignment buffer	AB C D	11300	Road easement	495378.4324	5741380.851
2070	But But	Eucalyptus bridgesiana s.l.	Large Scattered Tree	55	6.6	Retained	Outside alignment buffer	AB C D	11300	Road easement	495377.4773	5741376.593
2071	Swamp Gum	Eucalyptus ovata	Small Scattered Tree	68	8.16	Retained	Outside alignment buffer	AB C D	9800	3\PS821629	493680.6559	5740130.132

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2072	Stag	Stag	Large Scattered Tree	58	6.96	Retained	Outside buffer alignment	AB C D	9800	3\PS821629	493644.7285	5740134.448
2073	Stag	Stag	Large Scattered Tree	97	11.64	Retained	Outside buffer alignment	AB C D	6700	35~1\PP3874	493205.8113	5736134.548
2077	Stag	Stag	Large Scattered Tree	110	13.2	Retained	Outside buffer alignment	AB C D	4950	8A~1\PP3874	495327.3203	5735388.016
2078	Yellow Stringybark	Eucalyptus muelleriana	Small Scattered Tree	60	7.2	Retained	Outside buffer alignment	AB C D	13700	2\LP82428	494761.6092	5743826.996
2079	Stag	Stag	Large Scattered Tree	48	5.76	Retained	Outside buffer alignment	AB C D	13550	2\LP82428	494714.0078	5743696.046
2080	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	97	11.64	Retained	Outside buffer alignment	AB C D	13550	2\LP82428	494716.6653	5743689.219
2081	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	94	11.28	Retained	Outside buffer alignment	AB C D	13500	2\LP82428	494709.2643	5743659.795
2082	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	98	11.76	Retained	Outside buffer alignment	AB C D	13500	2\LP82428	494690.1515	5743678.964
2083	Stag	Stag	Large Scattered Tree	57	6.84	Retained	Outside buffer alignment	AB C D	13500	2\LP82428	494666.1675	5743670.557
2084	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	86	10.32	Retained	Outside buffer alignment	AB C D	13800	2\LP82428	494755.3092	5743927.878
2085	Stag	Stag	Large Scattered Tree	80	9.6	Retained	Outside buffer alignment	D	24500	5~C\PP2653	499769.5022	5752691.37
2086	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	128	15	Retained	Outside buffer alignment	AB C D	9100	4~4\PP3874	494819.0156	5739239.648
2087	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Small Scattered Tree	68	8.16	Retained	Outside buffer alignment	AB C D	9500	4~4\PP3874	494771.3975	5739649.622
2088	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Scattered Tree	137	15	Retained	Outside buffer alignment	AB C D	9350	4~4\PP3874	494691.346	5739553.746
2089	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Scattered Tree	81	9.72	Retained	Outside buffer alignment	AB C D	9250	4~4\PP3874	494740.4279	5739442.367
2090	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Scattered Tree	91	10.92	Retained	Outside buffer alignment	AB C D	9200	4~4\PP3874	494882.3446	5739314.904
2091	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Scattered Tree	109	13.08	Retained	Outside buffer alignment	AB C D	9150	4~4\PP3874	494812.912	5739305.577
2092	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Scattered Tree	98	11.76	Retained	Outside buffer alignment	AB C D	9100	4~4\PP3874	494785.1481	5739299.546
2093	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Scattered Tree	108	12.96	Retained	Outside buffer alignment	AB C D	9100	4~4\PP3874	494763.4181	5739282.82
2094	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Scattered Tree	115	13.8	Retained	Outside buffer alignment	AB C D	9100	4~4\PP3874	494756.4601	5739274.749
2095	Stag	Stag	Large Scattered Tree	81	9.72	Retained	Outside buffer alignment	AB C D	9000	4~4\PP3874	494703.2966	5739235.528
2096	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Scattered Tree	110	13.2	Retained	Outside buffer alignment	AB C D	9000	4~4\PP3874	494663.0812	5739252.724
2097	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Scattered Tree	95	11.4	Retained	Outside buffer alignment	AB C D	9000	4~4\PP3874	494655.2996	5739241.47
2098	Stag	Stag	Large Scattered Tree	85	10.2	Retained	Outside buffer alignment	AB C D	9000	4~4\PP3874	494648.8299	5739249.447
2099	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Scattered Tree	115	13.8	Retained	Outside buffer alignment	AB C D	9000	4~4\PP3874	494629.4952	5739236.341
2105	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Small Scattered Tree	10	2	Retained	Outside buffer alignment	AB C D	11200	1\TP172131	493624.8275	5741562.352
2106	Yellow Box	Eucalyptus melliodora	Small Scattered Tree	62	7.44	Retained	Outside buffer alignment	AB C D	11750	1\TP172131	494322.7881	5741970.795
2107	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Small Scattered Tree	65	7.8	Retained	Outside buffer alignment	AB C D	11600	1\TP172131	493946.6666	5741910.913
2108	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	170	15	Retained	Outside buffer alignment	AB C D	11250	4\TP170561	493790.1622	5741578.158
2109	Yellow Box	Eucalyptus melliodora	Small Scattered Tree	62	7.44	Retained	Outside buffer alignment	AB C D	11750	1\TP172131	494128.2836	5742007.43
2120	Stag	Stag	Large Scattered Tree	72	8.64	Retained	Outside buffer alignment	AB C D	3950	8\LP6714	492046.5157	5733851.844
2121	Stag	Stag	Large Scattered Tree	70	8.4	Retained	Outside buffer alignment	AB C D	4000	1\TP344807	492579.9539	5734386.947

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2122	Stag	Stag	Large Scattered Tree	60	7.2	Retained	Outside buffer alignment	AB C D	4050	7\LP6714	492027.9336	5734421.5
2123	Stag	Stag	Large Scattered Tree	70	8.4	Retained	Outside buffer alignment	AB C D	15850	25~5\PP2497	496264.8639	5745615.577
2124	Yellow Box	Eucalyptus melliodora	Small Scattered Tree	61	7.32	Retained	Outside buffer alignment	AB C D	15850	25~5\PP2497	496256.6788	5745607.121
2125	Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Scattered Tree	73	8.76	Retained	Outside buffer alignment	AB C D	15800	25~5\PP2497	496239.1508	5745599.125
2126	But But	Eucalyptus bridgesiana s.l.	Small Scattered Tree	23	2.76	Retained	Outside buffer alignment	AB C D	15700	25~5\PP2497	496180.268	5745522.348
2127	But But	Eucalyptus bridgesiana s.l.	Large Scattered Tree	83	9.96	Retained	Outside buffer alignment	AB C D	15700	25~5\PP2497	496173.6098	5745515.151
2128	Coast Grey-box	Eucalyptus bosistoana	Large Scattered Tree	127	15	Retained	Outside buffer alignment	AB C D	15600	25~5\PP2497	496062.5951	5745525.362
2129	Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Scattered Tree	84	10.08	Retained	Outside buffer alignment	AB C D	15600	25~5\PP2497	496102.8921	5745348.392
2130	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	97	11.64	Retained	Outside buffer alignment	AB C D	15600	25~5\PP2497	496130.3038	5745361.08
2131	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	75	9	Retained	Outside buffer alignment	AB C D	15600	25~5\PP2497	496114.7735	5745367.581
2132	Stag	Stag	Large Scattered Tree	66	7.92	Retained	Outside buffer alignment	AB C D	15600	25~5\PP2497	496118.4888	5745379.11
2133	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	78	9.36	Retained	Outside buffer alignment	AB C D	15600	25~5\PP2497	496121.4314	5745380.355
2134	Yellow Box	Eucalyptus melliodora	Small Scattered Tree	45	5.4	Retained	Outside buffer alignment	AB C D	15600	25~5\PP2497	496121.1139	5745381.149
2135	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	81	9.72	Retained	Outside buffer alignment	AB C D	15650	25~5\PP2497	496176.429	5745398.108
2136	Stag	Stag	Large Scattered Tree	56	6.72	Retained	Outside buffer alignment	AB C D	15700	25~5\PP2497	496188.8077	5745402.59
2137	Stag	Stag	Large Scattered Tree	54	6.48	Retained	Outside buffer alignment	AB C D	15700	25~5\PP2497	496211.217	5745418.553
2138	Yellow Box	Eucalyptus melliodora	Small Scattered Tree	65	7.8	Retained	Outside buffer alignment	AB C D	15750	25~5\PP2497	496259.3975	5745378.049
2139	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	82	9.84	Retained	Outside buffer alignment	AB C D	15700	25~5\PP2497	496254.4072	5745331.494
2140	Yellow Box	Eucalyptus melliodora	Small Scattered Tree	60	7.2	Retained	Outside buffer alignment	AB C D	15650	25~5\PP2497	496195.257	5745355.001
2141	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	85	10.2	Retained	Outside buffer alignment	AB C D	15700	25~5\PP2497	496271.4004	5745321.275
2142	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	98	11.76	Retained	Outside buffer alignment	AB C D	15750	25~5\PP2497	496305.5223	5745322.29
2143	Stag	Stag	Large Scattered Tree	108	12.96	Retained	Outside buffer alignment	AB C D	15850	15~5\PP2497	496394.2903	5745387.482
2144	Coast Grey-box	Eucalyptus bosistoana	Large Scattered Tree	81	9.72	Retained	Outside buffer alignment	AB C D	15600	25~5\PP2497	496149.956	5745345.731
2145	Yellow Box	Eucalyptus melliodora	Small Scattered Tree	45	5.4	Retained	Outside buffer alignment	AB C D	15650	25~5\PP2497	496149.4536	5745386.745
2146	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	80	9.6	Retained	Outside buffer alignment	AB C D	15650	25~5\PP2497	496151.447	5745384.989
2147	Coast Grey-box	Eucalyptus bosistoana	Small Scattered Tree	68	8.16	Retained	Outside buffer alignment	AB C D	15800	25~5\PP2497	496334.7389	5745427.679
2148	Coast Grey-box	Eucalyptus bosistoana	Small Scattered Tree	43	5.16	Retained	Outside buffer alignment	AB C D	15850	25~5\PP2497	496341.9807	5745431.906
2149	But But	Eucalyptus bridgesiana s.l.	Large Scattered Tree	131	15	Retained	Outside buffer alignment	AB C D	15850	25~5\PP2497	496345.3436	5745439.304
2150	Stag	Stag	Large Scattered Tree	87	10.44	Retained	Outside buffer alignment	AB C D	16050	15~5\PP2497	496585.1668	5745383.664
2151	But But	Eucalyptus bridgesiana s.l.	Large Scattered Tree	78	9.36	Retained	Outside buffer alignment	AB C D	16050	15~5\PP2497	496597.119	5745392.897
2152	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	79	9.48	Retained	Outside buffer alignment	AB C D	16500	15~5\PP2497	496934.3611	5745735.433
2153	Yellow Box	Eucalyptus melliodora	Small Scattered Tree	22	2.64	Retained	Outside buffer alignment	AB C D	16050	15~5\PP2497	496510.3592	5745557.593

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2154	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	109	13.08	Retained	Outside alignment buffer	AB C D	16000	15~5\PP2497	496491.6988	5745546.829
2155	Swamp Gum	Eucalyptus ovata	Small Scattered Tree	23	2.76	Retained	Outside alignment buffer	AB C D	16000	15~5\PP2497	496486.4363	5745546.918
2156	Stag	Stag	Large Scattered Tree	83	9.96	Retained	Outside alignment buffer	AB C D	15950	25~5\PP2497	496382.4443	5745656.699
2157	Stag	Stag	Large Scattered Tree	71	8.52	Retained	Outside alignment buffer	AB C D	15950	25~5\PP2497	496376.0811	5745675.01
2158	Stag	Stag	Large Scattered Tree	81	9.72	Retained	Outside alignment buffer	AB C D	16000	25~5\PP2497	496380.9178	5745690.62
2159	Coast Grey-box	Eucalyptus bosistoana	Large Scattered Tree	89	10.68	Retained	Outside alignment buffer	AB C D	15950	25~5\PP2497	496360.5665	5745679.403
2160	Coast Grey-box	Eucalyptus bosistoana	Small Scattered Tree	46	5.52	Retained	Outside alignment buffer	AB C D	15900	25~5\PP2497	496340.1063	5745626.703
2161	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	75	9	Retained	Outside alignment buffer	AB C D	15900	25~5\PP2497	496331.6781	5745611.612
2162	Coast Grey-box	Eucalyptus bosistoana	Small Scattered Tree	66	7.92	Retained	Outside alignment buffer	AB C D	15850	25~5\PP2497	496311.2189	5745577.411
2163	Coast Grey-box	Eucalyptus bosistoana	Large Scattered Tree	72	8.64	Retained	Outside alignment buffer	AB C D	15850	25~5\PP2497	496299.6968	5745568.925
2164	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	74	8.88	Retained	Outside alignment buffer	AB C D	15900	25~5\PP2497	496314.8455	5745656.22
2165	But But x	Eucalyptus bridgesiana s.l.	Large Scattered Tree	130	15	Retained	Outside alignment buffer	AB C D	15600	25~5\PP2497	496061.3405	5745493.173
2166	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	90	10.8	Retained	Outside alignment buffer	AB C D	15650	25~5\PP2497	496172.8961	5745381.245
2167	But But	Eucalyptus bridgesiana s.l.	Small Scattered Tree	65	7.8	Retained	Outside alignment buffer	AB C D	15700	25~5\PP2497	496227.5962	5745415.708
2168	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	79	9.48	Retained	Outside alignment buffer	AB C D	15700	25~5\PP2497	496223.0444	5745404.765
2169	But But	Eucalyptus bridgesiana s.l.	Small Scattered Tree	52	6.24	Retained	Outside alignment buffer	AB C D	15750	25~5\PP2497	496280.4813	5745430.326
2170	Coast Grey-box	Eucalyptus bosistoana	Large Scattered Tree	101	12.12	Retained	Outside alignment buffer	AB C D	15750	25~5\PP2497	496285.1981	5745418.483
2171	Coast Grey-box	Eucalyptus bosistoana	Small Scattered Tree	68	8.16	Retained	Outside alignment buffer	AB C D	15750	25~5\PP2497	496284.95	5745401.175
2172	But But	Eucalyptus bridgesiana s.l.	Large Scattered Tree	91	10.92	Retained	Outside alignment buffer	AB C D	15800	25~5\PP2497	496298.1689	5745406.746
2173	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	213	15	Retained	Outside alignment buffer	C D	22150	2\LP73913	499305.0348	5750362.281
2174	Stag	Stag	Large Scattered Tree	40	4.8	Retained	Outside alignment buffer	AB C D	19800	6~1\PP2497	498487.6698	5748172.142
2175	Eucalyptus sp.	Eucalyptus sp.	Large Scattered Tree	70	8.4	Retained	Outside alignment buffer	AB C D	19300	6~1\PP2497	498308.9358	5747688.982
2176	Eucalyptus sp.	Eucalyptus sp.	Large Scattered Tree	70	8.4	Retained	Outside alignment buffer	AB C D	19300	6~1\PP2497	498314.8037	5747681.495
2177	But But	Eucalyptus bridgesiana s.l.	Large Scattered Tree	102	12.24	Retained	Alignment buffer	C D	20350	1A~1\PP2497	498948.4343	5748646.536
2178	But But	Eucalyptus bridgesiana s.l.	Large Scattered Tree	125	15	Retained	Outside alignment buffer	C D	20500	1A~1\PP2497	498877.6092	5748773.799
2179	But But	Eucalyptus bridgesiana s.l.	Large Scattered Tree	123	14.76	Retained	Outside alignment buffer	C D	20650	1A~1\PP2497	498950.1204	5748911.581
2180	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	86	10.32	Retained	Outside alignment buffer	C D	20700	1A~1\PP2497	498926.1369	5748985.106
2181	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	90	10.8	Retained	Outside alignment buffer	C D	21150	2~1\PP2497	499164.8453	5749390.235
2182	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	100	12	Retained	Outside alignment buffer	C D	21150	2~1\PP2497	499188.6798	5749412.942
2183	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	90	10.8	Retained	Outside alignment buffer	C D	21200	2~1\PP2497	499228.6423	5749414.807
2184	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	90	10.8	Retained	Outside alignment buffer	C D	21200	2~1\PP2497	499211.0921	5749421.982
2185	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	90	10.8	Retained	Outside alignment buffer	C D	21150	2~1\PP2497	499207.3397	5749412.337
2186	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	70	8.4	Retained	Outside alignment buffer	C D	21200	2~1\PP2497	499235.3833	5749438.689

Tree ID	Common Name	Scientific Name	Tree Type	DBH	TPZ	Status		Project information		Location		
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2187	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	80	9.6	Retained	Outside alignment buffer	C D	21200	2~1\PP2497	499281.2771	5749420.286
2188	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	80	9.6	Retained	Outside alignment buffer	C D	21150	2~1\PP2497	499260.8349	5749392.61
2189	Swamp Gum	Eucalyptus ovata	Large Scattered Tree	85	10.2	Retained	Outside alignment buffer	C D	21250	2~1\PP2497	499190.5847	5749472.096
2190	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	111	13.32	Retained	Outside alignment buffer	C D	21400	Road easement	499199.8417	5749639.514
2191	But But	Eucalyptus bridgesiana s.l.	Large Scattered Tree	80	9.6	Retained	Outside alignment buffer	C D	20750	Road easement	499101.1848	5749026.095
2215	Stag	Stag	Large Scattered Tree	77	9.24	Retained	Outside alignment buffer	AB C D	2750	Road easement	494980.0036	5733052.319
2292	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Tree in Patch	112	13.44	Retained	Outside alignment buffer	AB C D	11500	2\PS821629	495287.6383	5741575.407
2646	Messmate Stringybark	Eucalyptus obliqua	Large Tree in Patch	78	9.36	Retained	Outside alignment buffer	AB C D	7800	34C~1\PP3874	493563.7371	5737966.348
2647	Messmate Stringybark	Eucalyptus obliqua	Large Tree in Patch	79	9.48	Retained	Outside alignment buffer	AB C D	7800	34C~1\PP3874	493576.8293	5737969.106
2650	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	90	10.8	Retained	Outside alignment buffer	AB C D	19750	Road easement	498798.1735	5748062.591
2651	Stag	Stag	Large Scattered Tree	61	7.32	Retained	Outside alignment buffer	AB C D	19500	7~1\PP2497	498861.5465	5747830.166
2652	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	81	9.72	Retained	Alignment buffer	AB	20250	Road easement	499070.3821	5748203.457
2653	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	111	13.32	Retained	Alignment buffer	AB	20250	Road easement	499059.7872	5748207.503
2654	But But	Eucalyptus bridgesiana s.l.	Large Scattered Tree	76	9.12	Retained	Outside alignment buffer	AB	20850	7~1\PP2497	499546.7181	5747339.397
2655	But But	Eucalyptus bridgesiana s.s.	Small Scattered Tree	68	8.16	Retained	Outside alignment buffer	AB	20850	7~1\PP2497	499537.3555	5747346.091
2656	Blackwood	Acacia melanoxylon	Understorey Tree	39	4.68	Retained	Outside alignment buffer	AB	20900	7~1\PP2497	499583.0857	5747342.339
2657	But But	Eucalyptus bridgesiana s.s.	Large Scattered Tree	81	9.72	Retained	Outside alignment buffer	AB	21400	1\TP555375	500108.4937	5747499.185
2658		Dead stag	Large Scattered Tree	76	9.12	Retained	Outside alignment buffer	AB	21350	1\TP555375	500039.5331	5747281.603
2659		Dead stag	Large Scattered Tree	70	8.4	Retained	Outside alignment buffer	AB	21600	1\TP555375	500324.5629	5747534.676
2660	But But	Eucalyptus bridgesiana s.l.	Large Scattered Tree	70	8.4	Retained	Outside alignment buffer	AB	21950	3\TP319672	500707.0832	5747661.88
2661		Dead stag	Large Scattered Tree	40	4.8	Retained	Outside alignment buffer	AB	21900	3\TP319672	500657.5407	5747622.72
2662		Eucalyptus sp.	Small Scattered Tree	35	4.2	Retained	Outside alignment buffer	AB	21900	3\TP319672	500653.3225	5747622.138
2663		Dead stag	Large Scattered Tree	40	4.8	Retained	Outside alignment buffer	AB	21900	3\TP319672	500650.0772	5747620.508
2664	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	82	9.84	Retained	Outside alignment buffer	AB	22150	3\TP319672	500915.6136	5747700.933
2665		Dead stag	Large Scattered Tree	61	7.32	Retained	Alignment buffer	AB	22100	Road easement	500869.7918	5747896.813
2666	But But	Eucalyptus bridgesiana s.s.	Small Scattered Tree	65	7.8	Retained	Outside alignment buffer	AB	22150	1\TP319672	500970.4624	5747965.395
2667		Dead stag	Large Scattered Tree	42	5.04	Lost	Easement	AB	22150	1\TP319672	500949.8302	5747901.874
2668		Stag	Large Scattered Tree	71	8.52	Lost	Easement	AB	22550	1\TP319672	501320.3415	5747850.054
2669	But But	Eucalyptus bridgesiana s.s.	Large Scattered Tree	118	14.16	Retained	Outside alignment buffer	AB	18500	1\TP555375	499806.8333	5746535.811
2670	Messmate Stringybark	Eucalyptus obliqua	Large Scattered Tree	60	7.2	Retained	Outside alignment buffer	AB	18500	1\TP555375	499803.1778	5746490.636
2671		Dead stag	Large Scattered Tree	52	6.24	Retained	Alignment buffer	AB	18500	1\TP555375	499784.8078	5746477.098
2672		Dead stag	Large Scattered Tree	85	10.2	Retained	Outside alignment buffer	AB	18500	1\TP555375	499809.8481	5746567.584
2673	Swamp Gum	Eucalyptus ovata	Small Scattered Tree	64	7.68	Lost	Construction Primary Access – New	AB	18500	7~1\PP2497	499723.7506	5746222.605
2674	But But	Eucalyptus bridgesiana s.l.	Small Scattered Tree	62	7.44	Retained	Alignment buffer	AB	18500	1\TP555375	499754.6036	5746289.504
2675	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	84	10.08	Lost	Alignment buffer	AB	18500	Road easement	499720.5751	5746027.994

Tree ID	Common Name	Scientific Name	Tree Type	DBH	TPZ	Status		Project information		Location		
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2676	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	94	11.28	Lost	Construction Primary Access – New	AB	18500	Road easement	499712.2876	5746011.935
2677	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Small Tree in Patch	54	6.48	Lost	Alignment buffer	AB	18500	Road easement	499712.4222	5746008.995
2678	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Small Tree in Patch	61	7.32	Lost	Construction Primary Access – New	AB	18500	Road easement	499684.4622	5746019.977
2679	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	71	8.52	Lost	Construction	D	26700	1\TP618623	501888.0616	5752718.012
2680		Dead stag	Small Scattered Tree	35	4.2	Retained	Outside alignment buffer	C	25400	1\PS713682	501718.4388	5750791.433
2681		Dead stag	Small Scattered Tree	33	3.96	Retained	Outside alignment buffer	C	25400	1\PS713682	501718.1012	5750794.12
2682		Dead stag	Large Scattered Tree	77	9.24	Retained	Outside alignment buffer	C	25400	1\PS713682	501724.9048	5750810.291
2683	Stag	Stag	Small Scattered Tree	39	4.68	Retained	Outside alignment buffer	C	25350	1\PS713682	501696.7192	5750801.843
2684		Dead stag	Small Scattered Tree	28	3.36	Retained	Outside alignment buffer	C	25350	1\PS713682	501695.5155	5750799.441
2685		Dead stag	Small Scattered Tree	31	3.72	Retained	Outside alignment buffer	C	25350	1\PS713682	501692.5141	5750813.805
2686	Apple-top Box	Eucalyptus angophoroides	Small Scattered Tree	50	6	Retained	Alignment buffer	C	25350	1\PS713682	501699.7789	5750818.683
2687		Eucalyptus melliodora	Small Scattered Tree	29	3.48	Retained	Outside alignment buffer	C	25350	1\PS713682	501684.6259	5750814.133
2688		Eucalyptus melliodora	Small Scattered Tree	24	2.88	Retained	Outside alignment buffer	C	25350	1\PS713682	501683.0161	5750808.221
2689	Stag	Stag	Small Scattered Tree	32	3.84	Retained	Outside alignment buffer	C	25350	1\PS713682	501675.1967	5750809.582
2690		Dead stag	Large Scattered Tree	42	5.04	Retained	Outside alignment buffer	C	25300	1\PS713682	501656.6916	5750810.131
2691	Stag	Stag	Small Scattered Tree	36	4.32	Retained	Outside alignment buffer	C	25300	1\PS713682	501654.1552	5750809.527
2692		Dead stag	Small Scattered Tree	22	2.64	Retained	Outside alignment buffer	C	25300	1\PS713682	501656.1187	5750799.845
2693	Stag	Stag	Large Scattered Tree	56	6.72	Retained	Outside alignment buffer	C	25300	1\PS713682	501639.6258	5750802.047
2694		Dead stag	Small Scattered Tree	27	3.24	Retained	Outside alignment buffer	C	25300	1\PS713682	501640.7255	5750802.097
2695	Apple-top Box	Eucalyptus angophoroides	Small Scattered Tree	40	4.8	Retained	Outside alignment buffer	C	25300	1\PS713682	501635.2778	5750823.179
2696	Stag	Stag	Small Scattered Tree	33	3.96	Retained	Outside alignment buffer	C	25300	1\PS713682	501637.3752	5750823.683
2697	Stag	Stag	Small Scattered Tree	36	4.32	Retained	Alignment buffer	C	25300	1\PS713682	501630.9682	5750830.32
2698		Dead stag	Small Scattered Tree	22	2.64	Retained	Outside alignment buffer	C	25300	1\PS713682	501637.3661	5750822.981
2699	Apple-top Box	Eucalyptus angophoroides	Small Scattered Tree	63	7.56	Retained	Alignment buffer	C	25300	1\PS713682	501660.2461	5750829.845
2700	Stag	Stag	Large Scattered Tree	41	4.92	Retained	Alignment buffer	C	25350	1\PS713682	501683.6783	5750822.181
2701	Apple-top Box	Eucalyptus angophoroides	Small Scattered Tree	42	5.04	Lost	Construction	C	25350	1\PS713682	501692.8465	5750836.731
2702	Apple-top Box	Eucalyptus angophoroides	Small Scattered Tree	53	6.36	Retained	Alignment buffer	C	25350	1\PS713682	501706.034	5750828.032
2703		Dead stag	Large Scattered Tree	54	6.48	Lost	Easement	C	25350	1\PS713682	501701.2708	5750845.424
2704		Dead stag	Large Scattered Tree	41	4.92	Lost	Easement	C	25350	1\PS713682	501692.9035	5750850.007
2705		Dead stag	Small Scattered Tree	27	3.24	Lost	Easement	C	25350	1\PS713682	501709.1887	5750871.58
2706		Dead stag	Small Scattered Tree	36	4.32	Lost	Easement	C	25350	1\PS713682	501706.8303	5750874.223
2707		Dead stag	Small Scattered Tree	27	3.24	Lost	Easement	C	25350	1\PS713682	501700.8842	5750872.383
2708		Dead stag	Small Scattered Tree	34	4.08	Lost	Easement	C	25350	1\PS713682	501699.5311	5750864.121
2709		Dead stag	Small Scattered Tree	31	3.72	Lost	Easement	C	25350	1\PS713682	501693.7876	5750871.702
2710	Apple-top Box	Eucalyptus angophoroides	Small Scattered Tree	31	3.72	Lost	Easement	C	25350	1\PS713682	501695.2106	5750867.026
2711		Dead stag	Small Scattered Tree	34	4.08	Lost	Easement	C	25350	1\PS713682	501687.6236	5750863.505
2712		Dead stag	Small Scattered Tree	29	3.48	Lost	Easement	C	25350	1\PS713682	501694.0234	5750879.489
2713	Apple-top Box	Eucalyptus angophoroides	Small Scattered Tree	59	7.08	Lost	Easement	C	25350	1\PS713682	501684.2531	5750861.804
2714		Dead stag	Large Scattered Tree	46	5.52	Lost	Construction	C	25350	1\PS713682	501704.9177	5750882.81
2715		Dead stag	Small Scattered Tree	27	3.24	Retained	Construction	C	25350	1\PS713682	501686.7509	5750890.133
2716	Apple-top Box	Eucalyptus angophoroides	Small Scattered Tree	58	6.96	Lost	Construction	C	25350	1\PS713682	501687.8856	5750882.987
2717	Apple-top Box	Eucalyptus angophoroides	Small Scattered Tree	36	4.32	Lost	Easement	C	25350	1\PS713682	501676.8407	5750877.458
2718		Dead stag	Small Scattered Tree	34	4.08	Lost	Construction	C	25300	1\PS713682	501669.0966	5750886.125
2719	Apple-top Box	Eucalyptus angophoroides	Small Scattered Tree	46	5.52	Lost	Easement	C	25350	1\PS713682	501676.4122	5750879.702
2720	Yellow Box	Eucalyptus melliodora	Small Scattered Tree	33	3.96	Retained	Construction	C	25300	1\PS713682	501655.1741	5750892.628

Tree ID	Common Name	Scientific Name	Tree Type	DBH	TPZ	Status		Project information		Location		
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2721	Yellow Box	Eucalyptus melliodora	Small Scattered Tree	28	3.36	Lost	Construction	C	25300	1\PS713682	501658.4783	5750889.048
2722		Dead stag	Large Scattered Tree	44	5.28	Lost	Easement	C	25300	1\PS713682	501650.4153	5750873.267
2723	Yellow Box	Eucalyptus melliodora	Small Scattered Tree	33	3.96	Retained	Construction	C	25300	1\PS713682	501636.9646	5750897.583
2724		Dead stag	Small Scattered Tree	23	2.76	Lost	Easement	C	25300	1\PS713682	501632.9755	5750877.867
2725	Yellow Box	Eucalyptus melliodora	Small Scattered Tree	44	5.28	Lost	Easement	C	25300	1\PS713682	501618.2724	5750866.795
2726	Stag	Dead stag	Small Scattered Tree	32	3.84	Lost	Construction	C	25300	1\PS713682	501623.7193	5750850.063
2727		Dead stag	Small Scattered Tree	6	2	Lost	Easement	C	25300	1\PS713682	501626.572	5750856.885
2728	Stag	Dead stag	Large Scattered Tree	47	5.64	Retained	Outside alignment buffer	C	25250	1\TP108744	501618.3404	5750918.777
2729	Stag	Dead stag	Large Scattered Tree	74	8.88	Retained	Outside alignment buffer	C	25250	1\TP108744	501618.4738	5750923.729
2730	Stag	Dead stag	Small Scattered Tree	24	2.88	Retained	Outside alignment buffer	C	25250	1\TP108744	501616.0683	5750923.124
2731	Stag	Dead stag	Small Scattered Tree	27	3.24	Retained	Outside alignment buffer	C	25250	1\TP108744	501614.3576	5750922.781
2732	Stag	Dead stag	Small Scattered Tree	33	3.96	Retained	Outside alignment buffer	C	25250	1\TP108744	501612.154	5750925.344
2733	Stag	Dead stag	Small Scattered Tree	29	3.48	Retained	Outside alignment buffer	C	25250	1\TP108744	501612.896	5750920.404
2734	Stag	Dead stag	Small Scattered Tree	17	2.04	Retained	Alignment buffer	C	25300	1\TP108744	501624.7046	5750906.203
2735	Stag	Dead stag	Large Scattered Tree	51	6.12	Retained	Alignment buffer	C	25300	1\TP108744	501626.2311	5750908.007
2736	Stag	Dead stag	Large Scattered Tree	73	8.76	Retained	Alignment buffer	C	25300	1\TP108744	501637.9307	5750911.115
2737	Stag	Dead stag	Small Scattered Tree	32	3.84	Retained	Alignment buffer	C	25300	1\TP108744	501641.7668	5750907.837
2738	Yellow Box	Eucalyptus melliodora	Small Scattered Tree	55	6.6	Retained	Alignment buffer	C	25300	1\TP108744	501649.2793	5750903.051
2739	Apple-top Box	Eucalyptus angophoroides	Small Scattered Tree	46	5.52	Retained	Alignment buffer	C	25300	1\TP108744	501668.7621	5750908.35
2740	Apple-top Box	Eucalyptus angophoroides	Small Scattered Tree	36	4.32	Retained	Alignment buffer	C	25350	1\TP108744	501685.0071	5750900.368
2741		Dead stag	Small Scattered Tree	26	3.12	Retained	Alignment buffer	C	25350	1\TP108744	501690.3173	5750898.63
2742		Dead stag	Small Tree in Patch	24	2.88	Lost	Alignment buffer	C	25350	1\TP108744	501688.5175	5750904.65
2743		Dead stag	Small Tree in Patch	26	3.12	Retained	Outside alignment buffer	C	25350	1\TP108744	501686.9378	5750909.619
2744	Apple-top Box	Eucalyptus angophoroides	Large Tree in Patch	60	7.2	Retained	Outside alignment buffer	C	25350	1\TP108744	501696.1083	5750910.684
2745		Dead stag	Small Scattered Tree	33	3.96	Retained	Alignment buffer	C	25350	1\TP108744	501698.8931	5750901.185
2746		Dead stag	Small Scattered Tree	30	3.6	Retained	Alignment buffer	C	25350	1\TP108744	501701.5912	5750899.097
2747	Apple-top Box	Eucalyptus angophoroides	Small Scattered Tree	43	5.16	Retained	Alignment buffer	C	25350	1\TP108744	501700.9888	5750897.115
2748	Apple-top Box	Eucalyptus angophoroides	Small Scattered Tree	53	6.36	Retained	Alignment buffer	C	25350	1\TP108744	501701.6785	5750892.444
2749	Apple-top Box	Eucalyptus angophoroides	Small Scattered Tree	37	4.44	Retained	Alignment buffer	C	25350	1\TP108744	501714.1043	5750895.373
2750	Stag	Dead stag	Large Scattered Tree	76	9.12	Retained	Alignment buffer	C	25350	1\TP108744	501711.9193	5750900.961
2751	Apple-top Box	Eucalyptus angophoroides	Small Scattered Tree	54	6.48	Retained	Alignment buffer	C	25350	1\TP108744	501712.7412	5750902.389
2752	Yellow Box	Eucalyptus melliodora	Small Tree in Patch	31	3.72	Retained	Outside alignment buffer	C	25350	1\TP108744	501708.1321	5750925.315
2753	Yellow Box	Eucalyptus melliodora	Small Tree in Patch	37	4.44	Retained	Outside alignment buffer	C	25350	1\TP108744	501706.9993	5750925.217
2754	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	58	6.96	Retained	Outside alignment buffer	C	25350	1\TP108744	501701.8991	5751002.612
2755	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	51	6.12	Retained	Outside alignment buffer	C	25300	1\TP108744	501673.0643	5751009.732
2756	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	54	6.48	Retained	Outside alignment buffer	C	25300	1\TP108744	501658.3504	5751014.975
2757	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	52	6.24	Retained	Outside alignment buffer	C	25300	1\TP108744	501652.7222	5751005.485
2758	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	55	6.6	Retained	Outside alignment buffer	C	25300	1\TP108744	501653.0096	5750970.407
2759	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	58	6.96	Retained	Outside alignment buffer	C	25300	1\TP108744	501647.3541	5750958.511
2760	Apple-top Box	Eucalyptus angophoroides	Large Scattered Tree	76	9.12	Retained	Outside alignment buffer	C	25250	1\TP108744	501609.3285	5750920.712
2761		Dead stag	Small Scattered Tree	25	3	Retained	Outside alignment buffer	C	25250	1\TP108744	501604.1889	5750988.184
2762	Coast Manna Gum	Eucalyptus viminalis subsp. viminalis	Large Scattered Tree	85	10.2	Retained	Alignment buffer	C	25100	1\TP108744	501443.8694	5750941.63
2763	Apple-top Box	Eucalyptus angophoroides	Large Scattered Tree	87	10.44	Retained	Outside alignment buffer	C	25100	1\TP108744	501463.5841	5751045.276
2764	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	167	15	Retained	Outside alignment buffer	C	24850	1\TP108744	501200.5229	5751079.829

Tree ID	Common Name	Scientific Name	Tree Type	DBH	TPZ	Status		Project information		Location		
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2765	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	57	6.84	Retained	Outside alignment buffer	C	24750	1\TP108744	501094.5745	5751046.255
2766	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	51	6.12	Retained	Outside alignment buffer	C	24750	1\TP108744	501108.4758	5751049.615
2767	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	51	6.12	Retained	Outside alignment buffer	C	24750	1\TP108744	501115.2851	5751061.533
2768	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	54	6.48	Retained	Outside alignment buffer	C	24700	1\TP108744	501092.104	5751073.334
2769	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	56	6.72	Retained	Outside alignment buffer	C	24700	1\TP108744	501085.1284	5751080.091
2770	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	62	7.44	Retained	Outside alignment buffer	C	24700	2\PS713682	501081.9021	5751080.332
2771	Apple-top Box	Eucalyptus angophoroides	Large Tree in Patch	61	7.32	Retained	Outside alignment buffer	C	24650	2\PS713682	501041.1725	5751110.815
2772	Apple-top Box	Eucalyptus angophoroides	Large Tree in Patch	58	6.96	Retained	Outside alignment buffer	C	24700	2\PS713682	501051.5095	5751094.01
2773	Apple-top Box	Eucalyptus angophoroides	Large Tree in Patch	51	6.12	Retained	Outside alignment buffer	C	24700	2\PS713682	501066.5201	5751072.398
2774	Apple-top Box	Eucalyptus angophoroides	Large Tree in Patch	74	8.88	Retained	Outside alignment buffer	C	24650	2\PS713682	501038.0374	5751070.239
2775	Apple-top Box	Eucalyptus angophoroides	Large Tree in Patch	70	8.4	Retained	Outside alignment buffer	C	24650	2\PS713682	500990.6293	5751047.7
2776	Apple-top Box	Eucalyptus angophoroides	Large Scattered Tree	128	15	Retained	Outside alignment buffer	C	24650	2\PS713682	500993.3822	5751027.449
2777	Apple-top Box	Eucalyptus angophoroides	Small Scattered Tree	60	7.2	Retained	Alignment buffer	C	24600	2\PS713682	500976.7901	5751008.71
2778	Stag	Dead stag	Large Tree in Patch	84	10.08	Lost	Alignment buffer	C	24650	2\PS713682	501011.4877	5751010.935
2779	Apple-top Box	Eucalyptus angophoroides	Large Tree in Patch	64	7.68	Retained	Outside alignment buffer	C	24700	2\PS713682	501063.3851	5751040.393
2780	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	74	8.88	Retained	Outside alignment buffer	C	24350	2\PS713682	500652.3356	5750629.133
2781	Apple-top Box	Eucalyptus angophoroides	Small Scattered Tree	61	7.32	Retained	Outside alignment buffer	C	24500	2\LP46570	500727.1912	5750273.163
2782		Dead stag	Large Scattered Tree	66	7.92	Retained	Outside alignment buffer	C	24550	2\LP46570	500698.7463	5749849.778
2783		Dead stag	Large Scattered Tree	62	7.44	Retained	Outside alignment buffer	C	24550	2\LP46570	500712.6884	5749856.032
2784	Stag	Stag	Large Scattered Tree	72	8.64	Retained	Outside alignment buffer	C	24550	2\LP46570	500711.8384	5749858.767
2785		Dead stag	Large Scattered Tree	71	8.52	Retained	Outside alignment buffer	C	24550	2\LP46570	500702.7485	5749817.609
2786		Dead stag	Large Scattered Tree	45	5.4	Retained	Outside alignment buffer	C	24550	2\LP46570	500698.6657	5749816.367
2787		Dead stag	Large Scattered Tree	60	7.2	Retained	Outside alignment buffer	C	24500	2\LP46570	500691.0749	5749810.916
2788	Stag	Stag	Large Scattered Tree	105	12.6	Retained	Outside alignment buffer	C	24500	2\LP46570	500683.6307	5749820.252
2789		Dead stag	Large Scattered Tree	67	8.04	Retained	Outside alignment buffer	C	24550	2\LP46570	500715.3235	5749788.423
2790	Stag	Stag	Large Scattered Tree	60	7.2	Retained	Outside alignment buffer	C	24550	2\LP46570	500687.9118	5749767.671
2791	Yellow Box	Eucalyptus melliodora	Small Scattered Tree	66	7.92	Retained	Outside alignment buffer	C	24450	2\LP46570	500630.5435	5749863.292
2792	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	76	9.12	Retained	Outside alignment buffer	C	24450	2\LP46570	500629.3405	5749860.517
2793	Stag	Stag	Large Scattered Tree	108	12.96	Retained	Outside alignment buffer	C D	21550	2\LP73913	499490.8012	5749744.897
2794	Stag	Stag	Large Scattered Tree	53	6.36	Retained	Outside alignment buffer	C D	21550	2\LP73913	499471.4164	5749702.84
2795	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	86	10.32	Retained	Outside alignment buffer	C D	21550	2\LP73913	499458.9315	5749705.365
2796	Red Stringybark	Eucalyptus macrorhyncha	Small Scattered Tree	69	8.28	Retained	Outside alignment buffer	C D	21550	2\LP73913	499460.4331	5749696.933
2797	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	140	15	Retained	Outside alignment buffer	C D	21550	2\LP73913	499326.9651	5749753.103

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2798	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	84	10.08	Lost	Alignment buffer	C D	21500	2\LP73913	499228.9107	5749743.181
2799	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	85	10.2	Lost	Easement	C D	21500	2\LP73913	499210.3649	5749754.983
2800	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	81	9.72	Lost	Easement	C D	21500	Road easement	499206.006	5749729.303
2801	Red Stringybark	Eucalyptus macrorhyncha	Large Tree in Patch	90	10.8	Lost	Easement	C D	22150	2\LP73913	499256.0393	5750368.069
2802	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	140	15	Retained	Outside alignment buffer	C D	22400	2\LP73913	499437.9117	5750627.619
2803	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	108	12.96	Retained	Outside alignment buffer	C D	22500	2\PS713682	499518.4885	5750695.751
2804	Stag	Stag	Large Scattered Tree	53	6.36	Retained	Outside alignment buffer	C D	22500	2\PS713682	499540.1696	5750707.375
2805	Apple-top Box	Eucalyptus angophoroides	Large Scattered Tree	107	12.84	Retained	Outside alignment buffer	C D	22450	2\LP73913	499586.9316	5750628.114
2806	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	72	8.64	Retained	Outside alignment buffer	C	23750	2\PS713682	500057.1479	5750623.246
2807	Yellow Box	Eucalyptus melliodora	Small Scattered Tree	60	7.2	Lost	Easement	C	24150	2\PS713682	500496.5333	5751060.595
2808	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	73	8.76	Retained	Outside alignment buffer	C	24100	2\PS713682	500493.8398	5751144.301
2809	Yellow Box	Eucalyptus melliodora	Small Scattered Tree	44	5.28	Retained	Outside alignment buffer	C	24100	2\PS713682	500494.6852	5751161.874
2810	Stag	Stag	Large Scattered Tree	42	5.04	Retained	Outside alignment buffer	C	24150	2\PS713682	500503.0399	5751166.952
2811	Yellow Box	Eucalyptus melliodora	Small Scattered Tree	55	6.6	Retained	Alignment buffer	C	24150	2\PS713682	500531.3005	5751086.483
2812	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	93	11.16	Retained	Outside alignment buffer	C	24200	2\PS713682	500539.857	5751094.401
2813	Apple-top Box	Eucalyptus angophoroides	Large Scattered Tree	203	15	Retained	Outside alignment buffer	C	24200	2\PS713682	500575.5558	5751097.442
2814	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	74	8.88	Retained	Outside alignment buffer	C	24200	2\PS713682	500567.4785	5751160.184
2815	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	77	9.24	Retained	Outside alignment buffer	C	24300	2\PS713682	500665.3191	5751166.963
2816	Apple-top Box	Eucalyptus angophoroides	Large Scattered Tree	85	10.2	Retained	Outside alignment buffer	C	24300	2\PS713682	500672.4167	5751125.381
2817	Yellow Box	Eucalyptus melliodora	Large Tree in Patch	107	12.84	Retained	Outside alignment buffer	C	24300	2\PS713682	500683.5144	5751073.58
2818	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	87	10.44	Retained	Outside alignment buffer	C	24350	2\PS713682	500690.7102	5751088.237
2819	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Tree in Patch	84	10.08	Retained	Outside alignment buffer	C	24350	2\PS713682	500692.5474	5751083.583
2820	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	91	10.92	Retained	Outside alignment buffer	C	24350	2\PS713682	500719.0755	5751160.095
2821	Gippsland Manna Gum	Eucalyptus viminalis subsp. pryoriana	Large Scattered Tree	136	15	Retained	Outside alignment buffer	C	24400	2\PS713682	500770.7523	5751135.754
2822	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	97	11.64	Retained	Outside alignment buffer	C	24450	2\PS713682	500814.1135	5751091.051
2823	Yellow Box	Eucalyptus melliodora	Large Scattered Tree	96	11.52	Retained	Outside alignment buffer	C	24400	2\PS713682	500766.7705	5751081.529
2824	Apple-top Box	Eucalyptus angophoroides	Small Scattered Tree	64	7.68	Lost	Easement	D	25150	1\LP130098	500375.8214	5752924.551
2825		Acacia mearnsii	Understorey Tree	55	6.6	Retained	Outside alignment buffer	D	25700	1\LP130098	500910.1381	5752977.52
2828	Yertchuk	Eucalyptus consideniana	Large Tree in Patch	70	8.4	Retained	Outside alignment buffer	AB	26350	1\TP78924	503626.1932	5749862.598
2829	Black Wattle	Acacia mearnsii	Understorey Tree	74	8.88	Lost	Easement	AB C D	7700	Road easement	494770.2684	5737838.965
2830		Eucalyptus sp.	Large Tree in Patch	70	8.4	Lost	Alignment buffer	AB C D	7700	Road easement	494747.9469	5737848.317
2831	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	72	8.64	Retained	Outside alignment buffer	AB C D	9200	4~4\PP3874	495000.1521	5739276.799
2832	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	82	9.84	Retained	Outside alignment buffer	AB C D	9200	4~4\PP3874	495002.2136	5739272.494
2833	Yellow Stringybark	Eucalyptus muelleriana	Large Tree in Patch	86	10.32	Retained	Outside alignment buffer	AB C D	9200	4~4\PP3874	494992.5028	5739265.661
2834		Eucalyptus sp.	Large Tree in Patch	89	10.68	Retained	Outside alignment buffer	AB C D	9200	4~4\PP3874	495005.898	5739304.672

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2835	Apple Box	Eucalyptus bridgesiana	Large Tree in Patch	72	8.64	Lost	Construction Primary Access – New	AB C D	12800	21~5\PP2497	495539.5511	5742800.925
2836	Coast Grey-box	Eucalyptus bosistoana	Small Tree in Patch	30	3.6	Lost	Alignment buffer	AB C D	12450	17A~5\PP2497	495585.671	5742489.654
2837	Coast Grey-box	Eucalyptus bosistoana	Small Tree in Patch	30	3.6	Lost	Alignment buffer	AB C D	12450	17A~5\PP2497	495585.9328	5742494.324
2838	Coast Grey-box	Eucalyptus bosistoana	Large Tree in Patch	80	9.6	Lost	Easement	AB C D	12500	17A~5\PP2497	495618.7165	5742510.053
2839	Coast Grey-box	Eucalyptus bosistoana	Small Tree in Patch	30	3.6	Lost	Easement	AB C D	12500	17A~5\PP2497	495632.126	5742521.691
2840	Coast Grey-box	Eucalyptus bosistoana	Small Tree in Patch	30	3.6	Lost	Alignment buffer	AB C D	12550	17A~5\PP2497	495659.067	5742582.191
2841	Coast Grey-box	Eucalyptus bosistoana	Small Tree in Patch	30	3.6	Lost	Alignment buffer	AB C D	12550	17A~5\PP2497	495659.1366	5742577.968
2842	Coast Grey-box	Eucalyptus bosistoana	Small Tree in Patch	30	3.6	Lost	Alignment buffer	AB C D	12550	17A~5\PP2497	495654.9793	5742571.678
2843	Coast Grey-box	Eucalyptus bosistoana	Small Tree in Patch	30	3.6	Lost	Alignment buffer	AB C D	12600	17A~5\PP2497	495662.9646	5742589.381
2844	Coast Grey-box	Eucalyptus bosistoana	Small Tree in Patch	30	3.6	Lost	Alignment buffer	AB C D	12500	17A~5\PP2497	495644.5302	5742533.315
2845	Coast Grey-box	Eucalyptus bosistoana	Small Tree in Patch	45	5.4	Lost	Easement	AB C D	12300	17A~5\PP2497	495558.4648	5742332.022
2846	Coast Grey-box	Eucalyptus bosistoana	Small Tree in Patch	60	7.2	Lost	Easement	AB C D	12250	Road easement	495540.6169	5742307.07
2847	Coast Grey-box	Eucalyptus bosistoana	Small Tree in Patch	60	7.2	Lost	Easement	AB C D	12300	Road easement	495539.4418	5742312.147
2848	Coast Grey-box	Eucalyptus bosistoana	Small Tree in Patch	35	4.2	Lost	Easement	AB C D	12250	1~4\PP3874	495512.9575	5742302.824
2849	Coast Grey-box	Eucalyptus bosistoana	Small Tree in Patch	50	6	Lost	Easement	AB C D	12300	21A~5\PP2497	495525.1192	5742344.824
2850	Coast Grey-box	Eucalyptus bosistoana	Small Tree in Patch	30	3.6	Lost	Alignment buffer	AB C D	12300	21A~5\PP2497	495524.5347	5742349.562
2851	Coast Grey-box	Eucalyptus bosistoana	Small Tree in Patch	40	4.8	Lost	Easement	AB C D	12300	21A~5\PP2497	495532.7178	5742351.44
2852	Coast Grey-box	Eucalyptus bosistoana	Small Tree in Patch	25	3	Lost	Easement	AB C D	12350	17A~5\PP2497	495558.7889	5742369.487
2853	Coast Grey-box	Eucalyptus bosistoana	Small Tree in Patch	40	4.8	Lost	Construction Primary Access – New	AB C D	12800	Road easement	495592.3687	5742794.602
2854	Coast Grey-box	Eucalyptus bosistoana	Small Tree in Patch	35	4.2	Lost	Construction Primary Access – New	AB C D	12800	Road easement	495586.566	5742796.738
2855		Aerial mapped	Aerial mapped			Retained	Alignment buffer	C	26000	1\TP333654	502317.5654	5750733.09
2856		Aerial mapped	Aerial mapped			Retained	Construction	C	26000	1\TP333654	502319.2181	5750742.179
2857		Aerial mapped	Aerial mapped			Retained	Construction	C	26000	1\TP333654	502331.6128	5750741.766
2858		Aerial mapped	Aerial mapped			Lost	Easement	C	26000	1\TP333654	502322.5233	5750750.133
2859		Aerial mapped	Aerial mapped			Lost	Easement	C	26000	1\TP333654	502329.7536	5750758.912
2860		Aerial mapped	Aerial mapped			Lost	Easement	C	26000	1\TP333654	502331.5095	5750769.758
2861		Aerial mapped	Aerial mapped			Retained	Alignment buffer	C	26000	Road easement	502330.2701	5750797.646
2862		Aerial mapped	Aerial mapped			Retained	Construction	C	26000	1\TP333654	502343.1813	5750790.829
2863		Aerial mapped	Aerial mapped			Lost	Easement	C	26050	1\TP333654	502367.5576	5750772.443
2864		Aerial mapped	Aerial mapped			Retained	Construction	C	26000	1\TP333654	502360.6372	5750782.049
2865		Aerial mapped	Aerial mapped			Retained	Construction	C	26050	1\TP333654	502378.8162	5750784.115
2866		Aerial mapped	Aerial mapped			Lost	Easement	C	26000	1\TP333654	502356.299	5750761.598
2867		Aerial mapped	Aerial mapped			Lost	Easement	C	26050	1\TP333654	502369.7267	5750748.893
2868		Aerial mapped	Aerial mapped			Lost	Easement	C	26050	1\TP333654	502376.2339	5750742.799
2869		Aerial mapped	Aerial mapped			Lost	Easement	C	26050	1\TP333654	502383.0511	5750750.236
2870		Aerial mapped	Aerial mapped			Lost	Easement	C	26050	1\TP333654	502373.5484	5750765.316
2871		Aerial mapped	Aerial mapped			Lost	Easement	C	26050	1\TP333654	502381.3984	5750768.105
2872		Aerial mapped	Aerial mapped			Lost	Easement	C	26050	1\TP333654	502392.5537	5750773.166
2873		Aerial mapped	Aerial mapped			Lost	Easement	C	26050	1\TP333654	502391.4175	5750762.527
2874		Aerial mapped	Aerial mapped			Lost	Easement	C	26050	1\TP333654	502395.7557	5750755.71
2875		Aerial mapped	Aerial mapped			Lost	Easement	C	26100	1\TP333654	502407.9439	5750737.841
2876		Aerial mapped	Aerial mapped			Lost	Easement	C	26100	1\TP333654	502409.2866	5750754.058
2877		Aerial mapped	Aerial mapped			Retained	Construction	C	26150	1\TP333654	502485.8242	5750713.361
2878		Aerial mapped	Aerial mapped			Lost	Easement	C	26150	1\TP333654	502484.688	5750722.038
2879		Aerial mapped	Aerial mapped			Lost	Easement	C	26150	1\TP333654	502485.8242	5750729.475
2880		Aerial mapped	Aerial mapped			Lost	Easement	C	26150	1\TP333654	502486.8571	5750737.428
2881		Aerial mapped	Aerial mapped			Lost	Easement	C	26150	1\TP333654	502488.3032	5750744.865
2882		Aerial mapped	Aerial mapped			Lost	Easement	C	26150	1\TP333654	502491.815	5750754.781
2883		Aerial mapped	Aerial mapped			Lost	Easement	C	26150	1\TP333654	502492.2282	5750760.255
2884		Aerial mapped	Aerial mapped			Retained	Construction	C	26150	1\TP333654	502495.017	5750766.349
2885		Aerial mapped	Aerial mapped			Retained	Construction	C	26150	1\TP333654	502502.867	5750764.903
2886		Aerial mapped	Aerial mapped			Retained	Alignment buffer	C	26000	1\TP333654	502344.1948	5750729.92
2887		Aerial mapped	Aerial mapped			Retained	Alignment buffer	C	26050	1\TP333654	502363.2388	5750723.303
2888		Aerial mapped	Aerial mapped			Retained	Alignment buffer	C	26000	1\TP333654	502331.2836	5750722.98
2889		Aerial mapped	Aerial mapped			Retained	Alignment buffer	C	26000	1\TP333654	502322.8394	5750721.62
2890		Aerial mapped	Aerial mapped			Lost	Construction	D	29050	30~C\PP2653	504224.2821	5752323.991
2891		Aerial mapped	Aerial mapped			Retained	Construction	D	29050	30~C\PP2653	504231.7234	5752324.99
2892		Aerial mapped	Aerial mapped			Lost	Easement	D	29050	30~C\PP2653	504232.9031	5752317.73
2893		Aerial mapped	Aerial mapped			Lost	Easement	D	29050	30~C\PP2653	504231.7234	5752302.212
2894		Aerial mapped	Aerial mapped			Lost	Easement	D	29050	30~C\PP2653	504221.6505	5752309.563
2895		Aerial mapped	Aerial mapped			Lost	Easement	D	29050	30~C\PP2653	504230.6344	5752294.317

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2896		Aerial mapped	Aerial mapped			Lost	Easement	D	29050	30~C\PP2653	504227.6398	5752284.244
2897		Aerial mapped	Aerial mapped			Lost	Easement	D	29050	30~C\PP2653	504229.2732	5752278.799
2898		Aerial mapped	Aerial mapped			Retained	Construction	D	29050	30~C\PP2653	504228.4565	5752270.723
2899		Aerial mapped	Aerial mapped			Lost	Easement	D	29050	30~C\PP2653	504223.4654	5752315.37
2900		Aerial mapped	Aerial mapped			Lost	Easement	D	29050	30~C\PP2653	504221.469	5752303.755
2901		Aerial mapped	Aerial mapped			Lost	Easement	D	29050	30~C\PP2653	504220.1985	5752294.499
2902		Aerial mapped	Aerial mapped			Lost	Easement	D	29050	30~C\PP2653	504217.9298	5752282.792
2903		Aerial mapped	Aerial mapped			Lost	Easement	D	29050	30~C\PP2653	504232.1771	5752311.922
2904		Aerial mapped	Aerial mapped			Retained	Alignment buffer	D	29050	30~C\PP2653	504226.5508	5752257.474
2905		Aerial mapped	Aerial mapped			Retained	Alignment buffer	D	29050	30~C\PP2653	504226.7323	5752262.646
2906		Aerial mapped	Aerial mapped			Retained	Alignment buffer	D	29050	30~C\PP2653	504219.9263	5752257.837
2907		Aerial mapped	Aerial mapped			Retained	Alignment buffer	D	29050	30~C\PP2653	504214.2092	5752258.381
2908		Aerial mapped	Aerial mapped			Lost	Easement	D	29050	30~C\PP2653	504224.754	5752297.569

*Due to project design changes, some tree IDs may not be sequential

Appendix 5
Impact and risk register

Appendix 5. Impact and Risk Register

Impact / Risk ID	Impact / Risk Pathway	Receptors	Initial mitigation	Initial Impact or Risk level					Final Mitigation	Residual Impact or Risk Level				
				Receptor sensitivity	Magnitude	Consequence level	Likelihood	Risk		Receptor sensitivity	Magnitude	Consequence level	Likelihood	Risk level
Construction Phase														
FFM-I001	Clearance of native vegetation during construction that is endangered EVCs, high quality patches or areas of high Strategic Biodiversity Value.	Native vegetation	FFM-M001 - Seek opportunities to further avoid native vegetation and habitat during design. FFM-M002 - Prepare an Environmental Line List to identify values that occur in project area and prescribed mitigation and management measures FFM-M003 - Implement Construction Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during construction FFM-M004 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM-M005 - Implement No Go Zones around the TPZs of scattered trees in the project area and on the boundary of the project area to prevent works outside FFM-M009 - Implement a protocol for works in conservation reserves FFM-M011 - Implement Operation Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during operation FFM-M012 - Implement Decommissioning Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during decommissioning	High	Medium	Major	-	-	No additional project specific mitigation measures proposed. Offset loss of native vegetation and habitat in accordance with the Victorian Native Vegetation Removal Regulations	High	Medium	Major	-	-
FFM-I002	Clearance of native vegetation during construction not including endangered EVCs, high quality patches and areas of high Strategic Biodiversity Value.	Native vegetation	FFM-M001 - Seek opportunities to further avoid native vegetation and habitat during design. FFM-M002 - Prepare an Environmental Line List to identify values that occur in project area and prescribed mitigation and management measures FFM-M003 - Implement Construction Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during construction FFM-M004 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM-M005 - Implement No Go Zones around the TPZs of scattered trees in the project area and on the boundary of the project area to prevent works outside FFM-M009 - Implement a protocol for works in conservation reserves FFM-M011 - Implement Operation Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during operation FFM-M012 - Implement Decommissioning Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during decommissioning	Medium	Medium	Moderate	-	-	No additional project specific mitigation measures proposed. Offset loss of native vegetation and habitat in accordance with the Victorian Native Vegetation Removal Regulations	Medium	Medium	Moderate	-	-

FFM-I003	Clearance of large trees within the project area (in patches and scattered) resulting in the direct loss of trees that provide habitat features for fauna (FFG Act listed threatening process)	Hollow-dependent fauna (threatened and non-threatened species)	FFM-M001 - Seek opportunities to further avoid native vegetation and habitat during design. FFM-M002 - Prepare an Environmental Line List to identify values that occur in project area and prescribed mitigation and management measures FFM-M003 - Implement Construction Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during construction FFM-M004 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM-M005 - Implement No Go Zones around the TPZs of scattered trees in the project area and on the boundary of the project area to prevent works outside FFM-M006 - Conduct pre-clearance surveys of trees to be removed and engage a suitably qualified wildlife handler holding a current authorisation under the Wildlife Act 1975 to salvage any wildlife encountered during site clearacnce works. FFM-M006 - Provide refuge for displaced wildlife including installing artificial netboxes FFM-M011 - Implement Operation Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during operation FFM-M013 - Rehabiliate and reinstate following construction including returning habitat eatures removed such as hollow-logs and rocks and retaining a proportion of trees felled in situ to provide additional habitat resources	High	Medium	Major	-	-	No additional project specific mitigation measures proposed. Offset loss of trees in accordance with the Victorian Native Vegetation Removal Regulations	High	Medium	Major	-	-
FFM-I004	Clearance of threatened ecological communities	Threatened ecological communities	Avoidance achieved through design. FFM03 - Implement Construction Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during construction FFM04 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM05 - Implement No Go Zones on the boundary of the project area to prevent works impacting on retained native vegetation and habitat	High	Negligible	Minor	-	-	No additional project specific mitigation measures proposed.	High	Negligible	Minor	-	-
FFM-I005	Clearance of native vegetation impacting EPBC Act and FFG Act listed threatened flora	Habitat for EPBC Act and FFG Act listed threatened flora	FFM-M001 - Seek opportunities to further avoid native vegetation and habitat during design. FFM-M002 - Prepare an Environmental Line List to identify values that occur in project area and prescribed mitigation and management measures FFM-M003 - Implement Construction Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during construction FFM-M004 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM-M005 - Implement No Go Zones around the TPZs of scattered trees in the project area and on the boundary of the project area to prevent works outside FFM-M009 - Implement a protocol for works in conservation reserves FFM-M011 - Implement Operation Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during operation FFM-M012 - Implement Decommissioning Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during decommissioning FFM-M013 - Rehabiliate and reinstate following construction including returning habitat eatures removed such as hollow-logs and rocks and retaining a proportion of trees felled in situ to provide additional habitat resources	Medium to High	Low	Moderate to Low	-	-	No additional project specific mitigation measures proposed.	Medium to High	Low	Moderate to Low	-	-

FFM-I006	Clearance of native vegetation removing habitat for EPBC Act and FFG Act listed threatened fauna	Habitat for EPBC Act and FFG Act listed threatened fauna	FFM-M001 - Seek opportunities to further avoid native vegetation and habitat during design. FFM-M002 - Prepare an Environmental Line List to identify values that occur in project area and prescribed mitigation and management measures FFM-M003 - Implement Construction Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during construction FFM-M004 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM-M005 - Implement No Go Zones around the TPZs of scattered trees in the project area and on the boundary of the project area to prevent works outside FFM-M009 - Implement a protocol for works in conservation reserves FFM-M011 - Implement Operation Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during operation FFM-M012 - Implement Decommissioning Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during decommissioning FFM-M013 - Rehabiliate and reinstate following construction including returning habitat eatures removed such as hollow-logs and rocks and retaining a proportion of trees felled in situ to provide additional habitat resources	Low	Negligible to Low	Negligible to Minor	-	-	No additional project specific mitigation measures proposed.	Low	Negligible to Low	Negligible to Minor	-	-
FFM-I007	Clearance of native vegetation impacting FFG protected flora	Threatened FFG listed Flora Species	FFM-M001 - Seek opportinuties to further avoid native vegetation and habitat during design. FFM-M002 - Prepare an Environmental Line List to identify values that occur in project area and prescribed mitigation and management measures FFM-M003 - Implement Construction Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during construction FFM-M004 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM-M005 - Implement No Go Zones around the TPZs of scattered trees in the project area and on the boundary of the project area to prevent works outside FFM-M009 - Implement a protocol for works in conservation reserves FFM-M011 - Implement Operation Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during operation FFM-M012 - Implement Decommissioning Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during decommissioning FFM-M013 - Rehabiliate and reinstate following construction including returning habitat eatures removed such as hollow-logs and rocks and retaining a proportion of trees felled in situ to provide additional habitat resources	Medium	Low	Minor	-	-	Count protected flora and apply for protected flora permit for areas of public land	Medium	Low	Minor	-	-
FFM-I008	Construction across waterways impacting the waterway (and associated habitat for fauna) or the Corner Inlet Ramsar Site downstream	Aquatic habitat and downstream Corner Inlet Ramsar Site	FFM-M002 - Prepare an Environmental Line List to identify values that occur in project area and prescribed mitigation and management measures FFM-M003 - Implement Construction Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during construction FFM-M004 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM-M008 - Implement measures to manage erosion and sedimentation to minimise impacts on retained vegetation and habitat. FFM-M010 - Manage impacts on waterways by implementing a Designated Waterway Crossing Management Plan. FFM-M011 - Implement Operation Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during operation FFM-M012 - Implement Decommissioning Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during decommissioning	Medium	Low	Minor	-	-	No additional project specific mitigation measures proposed.	Medium	Low	Minor	-	-

FFM-R009	Clearance of native vegetation disrupting connectivity for wildlife (habitat fragmentation) leading to the exacerbation of FFG Act threatening processes	Native vegetation and habitat	FFM-M001 - Seek opportunities to further avoid native vegetation and habitat during design. FFM-M002 - Prepare an Environmental Line List to identify values that occur in project area and prescribed mitigation and management measures FFM-M003 - Implement Construction Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during construction FFM-M004 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM-M005 - Implement No Go Zones around the TPZs of scattered trees in the project area and on the boundary of the project area to prevent works outside FFM-M006 - Provide refuge for displaced wildlife including installing artificial netboxes FFM-M0013 - Rehabiliate and reinstate following construction including returning habitat features removed such as hollow-logs and rocks and retaining a proportion of trees felled in situ to provide additional habitat resources	Low	Medium	Minor	Possible	Low	No additional project specific mitigation measures proposed.	Low	Medium	Minor	Possible	Low
FFM-R010	Degradation or loss of retained native vegetation and habitat (inadvertent clearance, smothering by dust, soil compaction, sedimentation, pollution, dust, noise, light, frack out risk/creation of sinkholes)	Native vegetation	FFM-M002 - Prepare an Environmental Line List to identify values that occur in project area and prescribed mitigation and management measures FFM-M003 - Implement Construction Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during construction FFM-M004 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM-M005 - Implement measures to prevent construction impacting on retained vegetation and habitat not approved for removal FFM-M007 - Implement measures to control spread and/or introduction of weeds, pathogens and/or pest animals. Prepare a Biosecurity Management Plan to define measures to manage and control impacts and define performance targets and contingency measures. FFM-M008 - Implement measures to manage erosion and sedimentation to minimise impacts on retained vegetation and habitat. FFM-M013 - Implement rehabiliation and reinstatement works following completion of construction in patches of native vegetation in reserves, on private land and roadsides.	High	Negligible	Minor	Possible	Low	No additional project specific mitigation measures proposed.	High	Negligible	Minor	Possible	Low
FFM-R011	Introduction or spread of weeds, pathogens, or pest species leading to the exacerbation of an EPBC Act and FFG Act threatening processes	Native vegetation and habitat	FFM-M002 - Prepare an Environmental Line List to identify values that occur in project area and prescribed mitigation and management measures FFM-M003 - Implement Construction Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during construction FFM-M004 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM-M007 - Implement measures to control spread and/or introduction of weeds, pathogens and/or pest animals. Prepare a Biosecurity Management Plan to define measures to manage and control impacts and define performance targets and contingency measures.	High	Low	Moderate	Possible	Medium	No additional project specific mitigation measures proposed.	High	Low	Moderate	Possible	Medium
FFM-R012	Direct fauna injury or mortality	Protected wildlife (threatened and non-threatened species)	FFM-M002 - Prepare an Environmental Line List to identify values that occur in project area and prescribed mitigation and management measures FFM-M003 - Implement Construction Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values FFM-M004 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM-M006 - Implement measures to mininise risk of disturbance, inury or death of fauna. Prepare Flora and Fauna Management Plan to outline measures and set perforamance targets and contingency measures.	Low	Low	Negligible	Possible	Low	No additional project specific mitigation measures proposed.	Low	Low	Negligible	Possible	Low
FFM-R013	Alterations to groundwater hydrology during construction leading to a decline in the extent and health of Groundwater Dependent Ecosystems	GDEs	FFM-M014 - Prepare and implement a Dewatering Plan to confirm presence of existing native vegetation in the area that may be influenced by groundwater drawdown and identify measures to manage impacts of dewatering during construction	High	Low	Moderate	Possible	Medium	FFM-M014 - watering of native vegetation	High	Negligible	Minor	Unlikely	Low

FFM-R014	Initiation and/or exacerbation of other listed potentially threatening process under the EPBC Act and/or FFG Act	Native vegetation and habitat	FFM-M002 - Prepare an Environmental Line List to identify values that occur in project area and prescribed mitigation and management measures FFM-M003 - Implement Construction Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during construction FFM-M004 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM-M005 - Implement measures to prevent construction impacting on retained vegetation and habitat not approved for removal FFM-M007 - Implement measures to control spread and/or introduction of weeds, pathogens and/or pest animals. Prepare a Biosecurity Management Plan to define measures to manage and control impacts and define performance targets and contingency measures. FFM-M008 - Implement measures to manage erosion and sedimentation to minimise impacts on retained vegetation and habitat. FFM-M013 - Implement rehabilitation and reinstatement works following completion of construction in patches of native vegetation in reserves, on private land and roadsides.	Medium	Medium	Moderate	Unlikely	Low	No additional project specific mitigation measures proposed.	Medium	Medium	Moderate	Unlikely	Low
FFM-R015	Construction across waterways and/or groundwater change affecting the Corner Inlet Ramsar Site	Ramsar site	FFM-M002 - Prepare an Environmental Line List to identify values that occur in project area and prescribed mitigation and management measures FFM-M003 - Implement Construction Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during construction FFM-M004 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM-M008 - Implement measures to manage erosion and sedimentation to minimise impacts on retained vegetation and habitat. FFM-M010 - Manage impacts on waterways by implementing a Designated Waterway Crossing Management Plan. FFM-M011 - Implement Operation Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during operation FFM-M012 - Implement Decommissioning Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during decommissioning FFM-M014 - Prepare and implement a Dewatering Plan to confirm presence of existing native vegetation in the area that may be influenced by groundwater drawdown and identify measures to manage impacts of dewatering during construction	High	Negligible	Minor	Unlikely	Low	No additional project specific mitigation measures proposed.	High	Negligible	Minor	Unlikely	Low
Operational Phase															
FFM-R016	Indirect impacts leading to degradation or loss of retained native vegetation and habitat	Native vegetation and habitat	FFM-M002 - Prepare an Environmental Line List to identify values that occur in project area and prescribed mitigation and management measures FFM-M004 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM-M005 - Implement measures to prevent construction impacting on retained vegetation and habitat not approved for removal FFM-M007 - Implement measures to control spread and/or introduction of weeds, pathogens and/or pest animals. Prepare a Biosecurity Management Plan to define measures to manage and control impacts and define performance targets and contingency measures. FFM-M008 - Implement measures to manage erosion and sedimentation to minimise impacts on retained vegetation and habitat. FFM-M011 - Implement Operation Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during operation FFM-M013 - Implement rehabilitation and reinstatement works following completion of construction in patches of native vegetation in reserves, on private land and roadsides.	High	Negligible	Minor	Possible	Low	No additional project specific mitigation measures proposed.	High	Negligible	Minor	Possible	Low

FFM-R017	Introduction and/or spread of weeds and pathogens	Native vegetation and habitat	FFM-M002 - Prepare an Environmental Line List to identify values that occur in project area and prescribed mitigation and management measures FFM-M004 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM-M007 - Implement measures to control spread and/or introduction of weeds, pathogens and/or pest animals. Prepare a Biosecurity Management Plan to define measures to manage and control impacts and define performance targets and contingency measures. FFM-M011 - Implement Operation Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during operation	High	Negligible	Minor	Possible	Low	No additional project specific mitigation measures proposed.	High	Negligible	Minor	Possible	Low
FFM-R018	Prevention of regrowth of native vegetation contributing to ongoing habitat fragmentation	Protected wildlife (threatened and non-threatened species)	FFM-M011 - Implement Operation Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during operation	Medium	Medium	Moderate	Possible	Medium	No additional project specific mitigation measures proposed.	Medium	Medium	Moderate	Possible	Medium
FFM-R019	Fauna mortality as a result of increased traffic within the project area	Protected wildlife (threatened and non-threatened species)	FFM-M004 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM-M006 - Implement measures to mininise risk of disturbance, inury or death of fauna. Prepare Flora and Fauna Management Plan to outline measures and set perforamance targets and contingency measures. FFM-M011 - Implement Operation Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during operation	Low	Low	Negligible	Possible	Low	No additional project specific mitigation measures proposed.	Low	Low	Negligible	Possible	Low
Decomissioning Project Phase														
FFM-R020	Removal of native vegetation	Native vegetation and habitat	FFM-M004 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM-M012 - Implement Decommissioning Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during decommissioning	High	Negligible	Minor	Possible	Low	No additional project specific mitigation measures proposed.	High	Negligible	Minor	Possible	Low
FFM-R021	Introduction or spread of weeds or pathogens	Native vegetation and habitat	FFM-M004 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM-M007 - Implement measures to control spread and/or introduction of weeds, pathogens and/or pest animals. Prepare a Biosecurity Management Plan to define measures to manage and control impacts and define performance targets and contingency measures. FFM-M012 - Implement Decommissioning Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during decommissioning	High	Negligible	Minor	Possible	Low	No additional project specific mitigation measures proposed.	High	Negligible	Minor	Possible	Low
FFM-R022	Indirect impacts leading to degradation or loss of retained native vegetation and habitat	Native vegetation and habitat	FFM-M002 - Prepare an Environmental Line List to identify values that occur in project area and prescribed mitigation and management measures FFM-M004 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM-M005 - Implement measures to prevent construction impacting on retained vegetation and habitat not approved for removal FFM-M007 - Implement measures to control spread and/or introduction of weeds, pathogens and/or pest animals. Prepare a Biosecurity Management Plan to define measures to manage and control impacts and define performance targets and contingency measures. FFM-M008 - Implement measures to manage erosion and sedimentation to minimise impacts on retained vegetation and habitat. FFM-M012 - Implement Decommissioning Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during decommissioning FFM-M013 - Implement rehabilitation and reinstatement works following completion of construction in patches of native vegetation in reserves, on private land and roadsides.	High	Negligible	Minor	Possible	Low	No additional project specific mitigation measures proposed.	High	Negligible	Minor	Possible	Low

FFM-R023	Fauna mortality from increased traffic within the project area	Protected wildlife (threatened and non-threatened species)	FFM-M004 - Contractor awareness through inductions and training and provision of reference materials at the site office FFM-M006 - Implement measures to mininise risk of disturbance, inury or death of fauna. Prepare Flora and Fauna Management Plan to outline measures and set perforamance targets and contingency measures. FFM-M011 - Implement Operation Environmental Management Plan that defines management and monitoring measures and includes sub-plans with specific controls for protecting ecological values during operation	Low	Low	Negligible	Possible	Low	No additional project specific mitigation measures proposed.	Low	Low	Negligible	Possible	Low

Appendix 6
Significant Impact Assessment - MNES

Appendix 6 - EPBC Act Significant Impact Assessment – migratory and threatened fauna

Table 1 Fork-tailed Swift (Migratory)

SIA criteria	Response
An action is likely to have a significant impact on a migratory species if there is a real chance or possibility that it will (DoE 2013):	
Substantially modify (including by fragmenting, altering fire regimes, altering nutrient cycles or altering hydrological cycles), destroy or isolate an area of important habitat* for a migratory species	The Fork-tailed Swift is a highly mobile species that feeds at height on aerial insects above a range of habitats, from deserts to rainforests and settled urban and farming areas. It is a fast flyer, able to cover long distances in search of food. The project will not fragment habitat for this species. **Conclusion:** No significant impact
Result in an invasive species that is harmful to the migratory species becoming established in an area of important habitat for the migratory species,	The project will be implemented in accordance with best practice construction and operational environmental management plans that will include effective monitoring and control of pest plants and animals. As the Fork-tailed Swift rarely occurs on the ground it is not vulnerable to predation from feral predators. The small project area relative to the habitat area over which it can forage in a day, even with pest plant invasion, would not significantly change the species' use of the region. **Conclusion:** No significant impact
Seriously disrupt the lifecycle (breeding, feeding, migration or resting behaviour) of an ecologically significant proportion of the population of a migratory species.	The species is likely only to fly over the project area for short periods occasionally in the summer and early autumn months. Therefore, the temporary impacts of construction and comparatively benign effects of operation of the project will not disrupt its use of the region or significantly reduce the availability of insect food when it is in the area. **Conclusion:** No significant impact

* **Important habitat** is defined as (DoE 2013) "habitat utilised by a migratory species occasionally or periodically within a region that supports an ecologically significant proportion of the population of the species [0.1% or more of the flyway population], and/or habitat that is of critical importance to the species at particular life-cycle stages, and/or habitat utilised by a migratory species which is at the limit of the species range, and/or habitat within an area where the species is declining."

Table 2. Latham's Snipe (Migratory)

SIA criteria	Response
An action is likely to have a significant impact on a migratory species if there is a real chance or possibility that it will (DoE 2013):	
Substantially modify (including by fragmenting, altering fire regimes, altering nutrient cycles or altering hydrological cycles), destroy or isolate an area of important habitat* for a migratory species	The project area supports small, scattered areas of waterway and wetland representing potential habitat for this species. The limited extent of such habitat makes it highly unlikely that any habitat affected in the project area supports an important population (i.e. >18 individuals). **Conclusion:** No significant impact
Result in an invasive species that is harmful to the migratory species becoming established in an area of important habitat for the migratory species,	The project will be implemented in accordance with best practice construction and operational environmental management plans that will include effective monitoring and control of pest plants and animals. As the project are lacks important habitat for this species, the invasion of pest plants and animals, even if it were to occur (considered unlikely) would not affect it. **Conclusion:** No significant impact
Seriously disrupt the lifecycle (breeding, feeding, migration or resting behaviour) of an ecologically significant proportion of the population of a migratory species.	A small number of individuals in waterways and wetlands on and near the project area may be disturbed temporarily by the construction phase of the project. As the project area does not support an important population of this species, these impacts will not disrupt these individuals permanently. As the project area does not support an important population of the species, the project will not lead to impacts of concern. **Conclusion:** No significant impact

Table 3. Swift Parrot (Critically endangered)

SIA criteria	Response
An action is likely to have a significant impact on a critically endangered species if there is a real chance or possibility that it will (DoE 2013):	
Lead to long-term decrease in the size of a population	The Swift Parrot may occasionally occur in treed coastal areas in the study area. The project area provides little to no foraging habitat. Furthermore, the treed habitat affected by the project represents widespread vegetation types of equal value as foraging resources for the species. It is therefore unlikely the project would result in a long-term decrease in the size of the population. **Conclusion**: No significant impact
Reduce the area of occupancy of the species	The project area is of relatively limited extent compared with the area covered by this mobile, although declining, species during its foraging movements. Construction will be followed by partial site revegetation. The project will not significantly reduce the availability of foraging resources in this region and the species will continue to occupy its current range in the region. **Conclusion:** No significant impact
Fragment an existing population into two or more populations	The Swift Parrot is a highly mobile and adaptable species that moves long distances from breeding grounds in Tasmania during spring and summer to the south-eastern parts of mainland Australia. The project will not prevent these movements from continuing, and it will therefore not fragment habitat used by the species when in the region. **Conclusion:** No significant impact
Adversely affect habitat critical to the survival of the species	The project area is not considered to be habitat critical to the survival of the species as it uses a wide range of treed habitats for foraging. The project area is limited in extent compared to available treed habitat in the region and is therefore not considered critical to its survival. **Conclusion:** No significant impact
Disrupt the breeding cycle of a population	The species will not be in the project area during the breeding season as it breeds in Tasmania. The project will not affect critical habitat or interfere with the normal foraging movements or significantly reduce the availability of food for it. Therefore, the project will not disrupt any breeding activities of this species.

SIA criteria	Response
	Conclusion: No significant impact
Modify, destroy, remove or isolate or decrease the availability or quality of habitat to the extent that the species is likely to decline	For the reasons explained earlier, the project area is not habitat critical to the survival of the Swift Parrot. Furthermore, there is adequate habitat to support the usage of the region by the species. Little to no foraging habitat will be removed as a result of the project. **Conclusion:** No significant impact
Result in invasive species that are harmful to a critically endangered or endangered species becoming established in the critically endangered or endangered species' habitat	The project will be implemented in accordance with best practice construction and operational environmental management plans that will include effective monitoring and control of pest plants and animals. As the Swift Parrot only comes to the ground to drink, it is not often vulnerable to predation from feral predators. The small project area relative to the habitat area over which it can forage, even with pest plant invasion, would not significantly change the species' use of the region. **Conclusion:** No significant impact
Introduce disease that may cause the species to decline	The project will not introduce a disease harmful to the Swift Parrot into the project area. **Conclusion:** No significant impact
Interfere substantially with the recovery of the species	As the project area represents little to no areas of suitable foraging habitat, the temporary impacts of construction of the project will not reduce the availability of habitat to the extent that the region could not support greater numbers of the Swift Parrot should they move into the area. **Conclusion**: No significant impact

Table 4. White-throated Needletail (Migratory, Vulnerable)

SIA criteria	Response
An action is likely to have a significant impact on a **migratory** species if there is a real chance or possibility that it will (DoE 2013):	
Substantially modify (including by fragmenting, altering fire regimes, altering nutrient cycles or altering hydrological cycles), destroy or isolate an area of important habitat* for a migratory species	The White-throated Needletail is a highly mobile species that feeds at height on aerial insects above a range of habitats, from woodlands to rainforests and settled urban and farming areas. It is a fast flyer, able to cover long distances in search of food. The project will not fragment habitat for this species. **Conclusion:** No significant impact
Result in an invasive species that is harmful to the migratory species becoming established in an area of important habitat for the migratory species,	The project will be implemented in accordance with best practice construction and operational environmental management plans that will include effective monitoring and control of pest plants and animals. As the White-throated needletail rarely occurs on the ground it is not vulnerable to predation from feral predators. The small project area relative to the habitat area over which it can forage in a day, even with pest plant invasion, would not significantly change the species' use of the region. **Conclusion:** No significant impact
Seriously disrupt the lifecycle (breeding, feeding, migration or resting behaviour) of an ecologically significant proportion of the population of a migratory species.	The species is likely only to fly over the project area for short periods regularly in the summer and early autumn months. Therefore, the temporary impacts of construction and comparatively benign effects of operation of the project will not disrupt its use of the region or significantly reduce the availability of insect food when it is in the area. **Conclusion:** No significant impact
An action is likely to have a significant impact on a **vulnerable** species if there is a real chance or possibility that it will (DoE 2013):	
Lead to long-term decrease in the size of an important population of a species	The project area is of relatively limited extent compared with the area covered by this fast-moving, mobile species during its foraging flights. The project area is therefore not likely to support an important population of this widespread, although declining, species. **Conclusion:** No significant impact

SIA criteria	Response
Reduce the area of occupancy of an important population	The project area is of relatively limited extent compared with the area covered by this fast-moving, mobile species during its foraging flights. The project area is therefore not likely to support an important population of this widespread, although declining, species. The vegetation in the wider region may support such a population but the project area represents a very small proportion of this. Construction will be followed by site revegetation with a narrow band of shrubby habitat remaining across all but an access track. Insect populations from native vegetation that support the species will not decline significantly and the species will continue to occupy its current range in the region. **Conclusion:** No significant impact
Fragment an existing important population into two or more populations	The White-throated Needletail is a highly mobile species that feeds at height on aerial insects above a range of habitats, from woodlands to rainforests and settled urban and farming areas. It is a fast flyer, able to cover long distances in search of food. The project will not fragment habitat for this species. **Conclusion:** No significant impact
Adversely affect habitat critical to the survival of the species	The project area is not considered to be habitat critical to the survival of the species as it does not of itself support an important population. Additionally, The vegetation in the wider region may support such a population but the project area represents a very small proportion of this. Construction will be followed by site revegetation with a narrow band of shrubby habitat remaining across all but an access track. Insect populations from native vegetation that support the species will not decline significantly and the species will continue to occupy its current range in the region. **Conclusion:** No significant impact
Disrupt the breeding cycle of an important population	The species breeds in north-eastern China, northern Japan and south-eastern Siberia, well away from the project area. **Conclusion**: No significant impact
Modify, destroy, remove or isolate or decrease the availability or quality of habitat to the extent that the species is likely to decline	As the project area represents a small proportion of the habitat in the wider region, it will not reduce the availability of habitat to the extent that the needletail will decline. **Conclusion**: No significant impact

SIA criteria	Response
Result in invasive species that are harmful to a vulnerable species becoming established in the vulnerable species' habitat	The project will be implemented in accordance with best practice construction and operational environmental management plans that will include effective monitoring and control of pest plants and animals. As the White-throated needletail rarely occurs on the ground it is not vulnerable to predation from feral predators. The small project area relative to the habitat area over which it can forage in a day, even with pest plant invasion, would not significantly change the species' use of the region. **Conclusion:** No significant impact
Introduce disease that may cause the species to decline	The project will not result in the introduction of a disease that will affect the White-throated Needletail. **Conclusion**: No significant impact
Interfere substantially with the recovery of the species	As the project area represents a small proportion of the habitat in the wider region, the temporary impacts of construction of the project will not reduce the availability of habitat to the extent that the needletail will decline, thereby not prejudicing the capability of the region to support more needletails should the population increase again. **Conclusion**: No significant impact

Table 5 Grey-headed Flying-fox (Vulnerable)

SIA criteria	Response
An action is likely to have a significant impact on a vulnerable species if there is a real chance or possibility that it will (DoE 2013):	
Lead to long-term decrease in the size of an important population of a species	The Grey-headed Flying-fox occurs occasionally in the region in a small number of camps from which it disperses at night to forage on nectar and fruit. The project area represents a very small proportion of the thousands of hectares of treed foraging habitat available in the region. Furthermore, the treed habitat affected by the project represents widespread vegetation types of equal value as foraging resources for the species. It is therefore unlikely to support an important population of this species. **Conclusion**: No significant impact
Reduce the area of occupancy of an important population	The project area is of relatively limited extent compared with the area covered by this mobile species during its foraging flights. The project area is therefore not likely to support an important population of this widespread, although declining, species. The vegetation in the wider region may occasionally support such a population but the project area represents a very small proportion of this. Construction will be followed by partial site revegetation. The project will not significantly reduce the wide availability of foraging resources in this region and the species will continue to occupy its current range in the region. **Conclusion:** No significant impact
Fragment an existing important population into two or more populations	The Grey-headed Flying-fox is a highly mobile and adaptable species that moves long distances in search and food and to avoid hot weather across urban, rural and forested habitats. The project will not prevent these movements from continuing and it will therefore not fragment habitat used by the species when in the region. **Conclusion:** No significant impact
Adversely affect habitat critical to the survival of the species	The project area is not considered to be habitat critical to the survival of the species as it uses a wide range of treed habitats for foraging and roosting and is able to fly over a range of urban, rural and treed habitats. The project areas is limited in extent compared to available treed habitat in the region and is therefore not considered critical to its survival.

SIA criteria	Response
	Conclusion: No significant impact
Disrupt the breeding cycle of an important population	The species may breed when in the region periodically but as the project will not affect critical habitat or interfere with the normal foraging movements or significantly reduce the availability of food for it. Therefore, the project will not disrupt any breeding activities of this species. **Conclusion:** No significant impact
Modify, destroy, remove or isolate or decrease the availability or quality of habitat to the extent that the species is likely to decline	For the reasons explained earlier, the project area is not habitat critical to the survival of the Grey-headed Flying-fox. Furthermore, there is adequate habitat to support the comparatively limited usage of the region by the species. Removal of the small area of habitat in the project area will not therefore lead to a decline in the species. **Conclusion:** No significant impact
Result in invasive species that are harmful to a vulnerable species becoming established in the vulnerable species' habitat	The project will be implemented in accordance with best practice construction and operational environmental management plans that will include effective monitoring and control of pest plants and animals. As the Grey-headed Flying-fox rarely occurs on the ground it is not vulnerable to predation from feral predators. The small project area relative to the habitat area over which it can forage, even with pest plant invasion, would not significantly change the species' use of the region. **Conclusion:** No significant impact
Introduce disease that may cause the species to decline	The project will not introduce a disease harmful to the Grey-headed Flying-fox into the project area. **Conclusion:** No significant impact
Interfere substantially with the recovery of the species	As the project area represents a small proportion of the habitat in the wider region, the temporary impacts of construction of the project will not reduce the availability of habitat to the extent that the region could not support greater numbers of the Grey-headed Flying-fox should they move into the area. **Conclusion**: No significant impact

Table 6 New Holland Mouse (Vulnerable)

SIA criteria	Response
An action is likely to have a significant impact on a vulnerable species if there is a real chance or possibility that it will (DoE 2013):	
Lead to long-term decrease in the size of an important population of a species	The VBA records of this species in the region are generally confined to the Stradbroke Flora and Fauna Reserve. This reserve is considered to support an important population of the New Holland Mouse. With revisions to the alignment, Stradbroke Flora and Fauna Reserve is now some 20km distant from the current project area. As such, this reserve will not be impacted and so the project will not lead to a long-term decline in the important population in the Stradbroke Flora and Fauna Reserve. **Conclusion:** No significant impact
Reduce the area of occupancy of an important population	Considering that no suitable habitat will be impacted, as described under the previous point, the project will not reduce the area of occupancy of an important population of this species. **Conclusion**: No significant impact
Fragment an existing important population into two or more populations	Considering that no suitable habitat will be impacted, no fragmentation of the important population in the Stradbroke Flora and Fauna reserve will occur. **Conclusion**: No significant impact
Adversely affect habitat critical to the survival of the species	The project area supports no habitat critical to the survival of the species. The project will therefore not adversely affect habitat critical to the species' survival. **Conclusion**: No significant impact
Disrupt the breeding cycle of an important population	The species almost certainly breeds in the Stradbroke Flora and Fauna Reserve which is some 20km from the current project area. As such, disruption to the breeding cycle will not occur. **Conclusion**: No significant impact

SIA criteria	Response
Modify, destroy, remove or isolate or decrease the availability or quality of habitat to the extent that the species is likely to decline	For the reasons explained earlier, the project will have no impact on habitat for this species as there is none in the current the project area. Considering this and the extensive habitat available in the Stradbroke Flora and Fauna Reserve, the project will not lead to a likely decline in the species. **Conclusion**: No significant impact
Result in invasive species that are harmful to a vulnerable species becoming established in the vulnerable species' habitat	The project will be implemented in accordance with best practice construction and operational environmental management plans that will include effective monitoring and control of pest plants and animals. The current project area is some 20km distant from the nearest habitat for this species. Given this, invasive species are unlikely to become established in areas of New Holland Mouse habitat because of the project. **Conclusion**: No significant impact
Introduce disease that may cause the species to decline	The project will be implemented in accordance with best practice construction and operational environmental management plans. As such, the project will not introduce a disease harmful to the New Holland Mouse into the project area. **Conclusion**: No significant impact
Interfere substantially with the recovery of the species	The current project area is some 20km distant from the nearest habitat for this species. The temporary impacts of construction of the project will therefore not interfere with the recovery of New Holland Mouse. **Conclusion**: No significant impact

Appendix 7
Native Vegetation Removal report

Native Vegetation Removal Report

NVRR ID: 370_20250701_C79

This report provides information to support an application to remove, destroy or lop native vegetation in accordance with the *Guidelines for the removal, destruction or lopping of native vegetation* (the Guidelines). This report is **not an assessment by DEECA** of the proposed native vegetation removal. Native vegetation information and offset requirements have been determined using spatial data provided by the applicant or their consultant.

Report details

Date created: 01/07/2025

Local Government Area: WELLINGTON SHIRE

Shapefile name:
60721994_NVR_VG20_20250107_OptionD_Patch.shp
60721994_NVR_VG20_20250107_OptionD_Trees.shp

Site assessor name: aecom

Registered Aboriginal Party: Gunaikurnai

Coordinates: 146.98949, -38.40530

Address:
613 WOODSIDE BEACH ROAD WOODSIDE 3874
REEVES BEACH ROAD WOODSIDE 3874
STRINGY BARK LANE WOODSIDE 3874
263 GIFFARD WEST ROAD GIFFARD WEST 3851
LYONS ROAD WOODSIDE 3874
FOUR MILE CREEK ROAD DARRIMAN 3851
3594 SOUTH GIPPSLAND HIGHWAY GIFFARD WEST 3851
3518 SOUTH GIPPSLAND HIGHWAY GIFFARD WEST 3851
116 CARSTAIRS ROAD GIFFARD WEST 3851
153 DEWARS ROAD WOODSIDE 3874
(18 additional addresses not listed)

Regulator Notes

Removal polygons are located:

- On Crown Land

Summary of native vegetation to be removed

Assessment pathway	**Detailed Assessment Pathway**		
Location category	Location 2 The native vegetation extent map indicates that this area is typically characterised as supporting native vegetation. Additionally, it is modelled as encompassing an endangered Ecological Vegetation Class, sensitive wetland or sensitive coastal area. The removal of less than 0.5 hectares of native vegetation in this area will not require a Species Offset.		
Total extent including past and proposed removal (ha) *Includes endangered EVCs (ha): 0.954*	**17.897**	*Extent of past removal (ha)*	*0*
		Extent of proposed removal - Patches (ha)	*15.525*
		Extent of proposed removal - Scattered Trees (ha)	*2.371*
No. Large Trees proposed to be removed	**107**	*No. Large Patch Trees*	*65*
		No. Large Scattered Trees	*42*
No. Small Scattered Trees	12		

Offset requirements if approval is granted

Any approval granted will include a condition to obtain an offset, before the removal of native vegetation, that meets the following requirements:

General Offset amount [1]	**7.8990 General Habitat Units**
Vicinity	West Gippsland CMA or WELLINGTON SHIRE LGA
Minimum strategic biodiversity value score [2]	0.3938
Large Trees*	107
***The total number of Large Trees that the offset must protect**	**107** Large Trees to be protected in either the General, Species or combination across all habitat units protected

NB: values within tables in this document may not add to the totals shown above due to rounding
Appendix 1 includes information about the native vegetation to be removed
Appendix 2 includes information about the rare or threatened species with mapped habitat at the site
Appendix 3 includes the following figures

- Location map
- Strategic Biodiversity Value map
- Condition map
- Endangered EVCs map
- Aerial photograph showing mapped native vegetation
- Property in context
- Habitat Importance maps

1. The General Offset amount required is the sum of all General Habitat Units in Appendix 1.
2. Minimum strategic biodiversity value score is 80 per cent of the weighted average score across habitat zones where a General Offset is required.
3. The Species Offset amount(s) required is the sum of all Species Habitat Units in Appendix 1.

Next steps

Any proposal to remove native vegetation must meet the application requirements of the Detailed Assessment Pathway and it will be assessed under the Detailed Assessment Pathway.

If you wish to remove the mapped native vegetation you are required to apply for approval from the responsible authority. The responsible authority will refer your application to DEECA for assessment, as required. **This report is not a referral assessment by DEECA.**

This *Native vegetation removal report* must be submitted with your application for approval to remove, destroy or lop native vegetation.

Refer to the Guidelines for a full list of application requirements This report provides information that meets the following application requirements:

- The assessment pathway and reason for the assessment pathway.
- A description of the native vegetation to be removed (partly met).
- Maps showing the native vegetation and property (partly met).
- Information about the impacts on rare or threatened species.
- The offset requirements determined in accordance with Section 5 of the Guidelines that apply if approval is granted to remove native vegetation.

Additional application requirements must be met including:

- Topographical and land information
- Recent dated photographs.
- Details of past native vegetation removal.
- An avoid and minimise statement.
- A copy of any Property Vegetation Plan as applicable.
- A defendable space statement as applicable.
- A statement about the Native Vegetation Precinct Plan (NVPP) as applicable.
- A site assessment report including a habitat hectare assessment of any patches of native vegetation and details of trees.
- An offset statement that explains that an offset has been identified and how it will be secured.

Appendix 1: Description of native vegetation to be removed

The Species-General Offset Test was applied to your proposal. This test determines if the proposed removal of native vegetation has a proportional impact on any rare or threatened species habitats above the Species Offset threshold. The threshold is set at 0.005 per cent of the mapped habitat value for a species. When the proportional impact meets or exceeds the Species Offset threshold, a Species Offset is required. This test is completed for all species with mapped habitat at the site. Multiple Species Offsets will be required if the Species Offset threshold is exceeded for multiple species.

Where a zone requires Species Offset(s), the Species Habitat Units for each species in that zone are calculated by the following equation in accordance with the Guidelines: ***Species Habitat Units = extent without overlap x condition score x species landscape factor x 2, where the species landscape factor = 0.5 + (habitat importance score/2)***

The Species Offset amount(s) required is the sum of all Species Habitat Units per zone.

Where a zone does not require a Species Offset, the General Habitat Units in that zone are calculated by the following equation in accordance with the Guidelines: ***General Habitat Units = extent without overlap x condition score x general landscape factor x 1.5, where the general landscape factor = 0.5 + (strategic biodiversity value score/2)***

The General Offset amount required is the sum of all General Habitat Units per zone.

Native vegetation to be removed

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
1-A	Patch	-	GipP0002	Vulnerable	no	0.410	-	0.002	0.002	0.840	-	0.001	General
10-AA	Patch	-	GipP0053	Endangered	no	0.545	-	0.321	0.321	0.460	-	0.191	General
11-A	Patch	-	GipP0003	Vulnerable	no	0.350	-	0.071	0.071	0.407	-	0.026	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
12-A	Patch	-	GipP0003	Vulnerable	no	0.350	-	0.003	0.003	0.400	-	0.001	General
13-A	Patch	-	GipP0003	Vulnerable	no	0.250	-	0.025	0.025	0.410	-	0.007	General
14-A	Patch	-	GipP0053	Endangered	no	0.377	-	0.052	0.052	0.630	-	0.024	General
15-A	Patch	-	GipP0053	Endangered	no	0.377	-	0.024	0.024	0.470	-	0.010	General
16-A	Patch	-	GipP0053	Endangered	no	0.377	-	0.010	0.010	0.630	-	0.005	General
17-A	Patch	-	GipP0053	Endangered	no	0.377	-	0.030	0.030	0.529	-	0.013	General
18-A	Patch	-	GipP0053	Endangered	no	0.377	-	0.041	0.041	0.370	-	0.016	General
19-A	Patch	-	GipP0053	Endangered	no	0.377	-	0.081	0.081	0.390	-	0.032	General
2-A	Patch	-	GipP0160	Depleted	no	0.670	-	0.005	0.005	0.460	-	0.003	General
20-AA	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.035	0.035	0.390	-	0.002	General
21-A	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.097	0.097	0.440	-	0.005	General
22-A	Patch	-	GipP0151	Vulnerable	no	0.400	2	0.524	0.524	0.366	-	0.215	General
23-A	Patch	-	GipP0151	Vulnerable	no	0.320	-	0.547	0.547	0.422	-	0.187	General
24-A	Patch	-	GipP0151	Vulnerable	no	0.160	-	0.034	0.034	0.370	-	0.006	General
25-A	Patch	-	GipP0151	Vulnerable	no	0.180	-	0.022	0.022	0.340	-	0.004	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
26-A	Patch	-	GipP0151	Vulnerable	no	0.270	-	1.303	1.303	0.365	-	0.360	General
27-A	Patch	-	GipP0151	Vulnerable	no	0.270	-	0.447	0.447	0.621	-	0.147	General
28-A	Patch	-	GipP0151	Vulnerable	no	0.540	2	0.296	0.296	0.398	-	0.167	General
29-A	Patch	-	GipP0151	Vulnerable	no	0.700	4	0.249	0.249	0.470	-	0.192	General
3-A	Patch	-	GipP0160	Depleted	no	0.670	-	0.018	0.018	0.460	-	0.013	General
30-A	Patch	-	GipP0151	Vulnerable	no	0.450	2	0.047	0.047	0.872	-	0.030	General
31-A	Patch	-	GipP0151	Vulnerable	no	0.350	-	0.009	0.009	0.470	-	0.003	General
317-A	Patch	-	GipP0151	Vulnerable	no	0.160	-	0.004	0.004	0.626	-	0.001	General
319-A	Patch	-	GipP0151	Vulnerable	no	0.250	2	0.372	0.372	0.467	-	0.102	General
32-AAB	Patch	-	GipP0151	Vulnerable	no	0.470	3	0.240	0.240	0.380	-	0.117	General
320-A	Patch	-	GipP0151	Vulnerable	no	0.160	-	0.044	0.044	0.380	-	0.007	General
33-AA	Patch	-	GipP0151	Vulnerable	no	0.710	2	0.043	0.043	0.612	-	0.037	General
337-A	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.021	0.021	0.440	-	0.001	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
338-A	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.007	0.007	0.440	-	0.000	General
339-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.030	0.030	0.440	-	0.003	General
34-A	Patch	-	GipP0191	Vulnerable	no	0.664	-	0.206	0.206	0.868	-	0.192	General
341-A	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.042	0.042	0.440	-	0.002	General
342-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.030	0.030	0.390	-	0.003	General
343-A	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.005	0.005	0.390	-	0.000	General
345-A	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.014	0.014	0.390	-	0.001	General
347-A	Patch	-	GipP0053	Endangered	no	0.262	-	0.075	0.075	0.385	-	0.020	General
348-A	Patch	-	GipP0053	Endangered	no	0.262	-	0.123	0.123	0.533	-	0.037	General
348-B	Patch	-	GipP0053	Endangered	no	0.262	-	0.151	0.151	0.486	-	0.044	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
349-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.008	0.008	0.408	-	0.001	General
35-A	Patch	-	GipP0151	Vulnerable	no	0.690	-	0.032	0.032	0.880	-	0.031	General
350-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.029	0.029	0.360	-	0.003	General
351-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.014	0.014	0.360	-	0.001	General
352-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.111	0.111	0.380	-	0.011	General
353-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.006	0.006	0.380	-	0.001	General
358-G	Patch	-	GipP0151	Vulnerable	no	0.370	-	0.026	0.026	0.680	-	0.012	General
359-A	Patch	-	GipP0016	Vulnerable	no	0.320	-	0.455	0.455	0.451	-	0.158	General
36-A	Patch	-	GipP0191	Vulnerable	no	0.644	-	0.713	0.713	0.872	-	0.645	General
360-A	Patch	-	GipP0191	Vulnerable	no	0.200	-	0.339	0.339	0.420	-	0.072	General
361-A	Patch	-	GipP0016	Vulnerable	no	0.200	-	0.085	0.085	0.460	-	0.019	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
37-A	Patch	-	GipP0151	Vulnerable	no	0.630	1	0.270	0.270	0.880	-	0.240	General
38-A	Patch	-	GipP0151	Vulnerable	no	0.790	11	0.562	0.562	0.476	-	0.491	General
39-A	Patch	-	GipP0151	Vulnerable	no	0.670	9	0.297	0.297	0.560	-	0.233	General
4-AA	Patch	-	GipP0160	Depleted	no	0.660	-	0.025	0.025	0.460	-	0.018	General
40-A	Patch	-	GipP0151	Vulnerable	no	0.670	4	0.373	0.373	0.554	-	0.291	General
41-A	Patch	-	GipP0151	Vulnerable	no	0.630	4	0.235	0.235	0.580	-	0.176	General
42-A	Patch	-	GipP0151	Vulnerable	no	0.350	1	0.151	0.151	0.584	-	0.063	General
43-A	Patch	-	GipP0053	Endangered	no	0.281	-	0.005	0.005	0.670	-	0.002	General
44-A	Patch	-	GipP0053	Endangered	no	0.281	-	0.003	0.003	0.670	-	0.001	General
46-A	Patch	-	GipP0053	Endangered	no	0.132	-	0.039	0.039	0.416	-	0.005	General
47-A	Patch	-	GipP0151	Vulnerable	no	0.720	1	0.382	0.382	0.343	-	0.277	General
47-C	Patch	-	GipP0151	Vulnerable	no	0.720	2	0.298	0.298	0.430	-	0.230	General
47-D	Patch	-	GipP0151	Vulnerable	no	0.720	1	0.202	0.202	0.380	-	0.150	General
48-A	Patch	-	GipP0016	Vulnerable	no	0.550	3	0.165	0.165	0.450	-	0.099	General
49-A	Patch	-	GipP0151	Vulnerable	no	0.160	-	2.715	2.715	0.474	-	0.480	General
5-A	Patch	-	GipP0010	Least Concern	no	0.419	-	0.884	0.884	0.460	-	0.406	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
50-A	Patch	-	GipP0151	Vulnerable	no	0.630	10	1.204	1.204	0.561	-	0.888	General
51-A	Patch	-	GipP0151	Vulnerable	no	0.770	1	0.096	0.096	0.430	-	0.079	General
52-A	Patch	-	GipP0151	Vulnerable	no	0.470	-	0.013	0.013	0.430	-	0.007	General
53-A	Patch	-	GipP0151	Vulnerable	no	0.310	-	0.030	0.030	0.430	-	0.010	General
7-A	Patch	-	GipP0160	Depleted	no	0.570	-	0.059	0.059	0.764	-	0.045	General
8-A	Patch	-	GipP0003	Vulnerable	no	0.390	-	0.004	0.004	0.490	-	0.002	General
1-ST	Scattered Tree	86	GipP0016	Vulnerable	no	0.200	1	0.070	0.070	0.430	-	0.015	General
10-ST	Scattered Tree	19	GipP0151	Vulnerable	no	0.200	-	0.031	0.018	0.510	-	0.004	General
1033-ST	Scattered Tree	109	GipP0016	Vulnerable	no	0.200	1	0.070	0.057	0.420	-	0.012	General
1034-ST	Scattered Tree	94	GipP0016	Vulnerable	no	0.200	1	0.070	0.057	0.420	-	0.012	General
1037-ST	Scattered Tree	137	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.380	-	0.015	General
1038-ST	Scattered Tree	76	GipP0016	Vulnerable	no	0.200	1	0.070	0.048	0.340	-	0.010	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
1039-ST	Scattered Tree	72	GipP0016	Vulnerable	no	0.200	1	0.070	0.048	0.340	-	0.010	General
109-ST	Scattered Tree	106	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.390	-	0.015	General
11-ST	Scattered Tree	33	GipP0151	Vulnerable	no	0.200	-	0.031	0.019	0.544	-	0.004	General
111-ST	Scattered Tree	134	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.390	-	0.015	General
12-ST	Scattered Tree	64	GipP0151	Vulnerable	no	0.200	-	0.031	0.031	0.160	-	0.005	General
15-ST	Scattered Tree	126	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.140	-	0.012	General
16-ST	Scattered Tree	83	GipP0151	Vulnerable	no	0.200	1	0.070	0.045	0.380	-	0.009	General
17-ST	Scattered Tree	70	GipP0151	Vulnerable	no	0.200	1	0.070	0.045	0.380	-	0.009	General
1821-ST	Scattered Tree	78	GipP0151	Vulnerable	no	0.200	1	0.070	0.052	0.485	-	0.012	General
1822-ST	Scattered Tree	103	GipP0151	Vulnerable	no	0.200	1	0.070	0.052	0.624	-	0.013	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
26-ST	Scattered Tree	175	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.454	-	0.015	General
2679-ST	Scattered Tree	71	GipP0016	Vulnerable	no	0.200	1	0.070	0.070	0.390	-	0.015	General
27-ST	Scattered Tree	62	GipP0151	Vulnerable	no	0.200	-	0.031	0.031	0.340	-	0.006	General
28-ST	Scattered Tree	78	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.370	-	0.014	General
2824-ST	Scattered Tree	64	GipP0151	Vulnerable	no	0.200	-	0.031	0.031	0.377	-	0.006	General
2890-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.039	0.609	-	0.009	General
2892-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.026	0.411	-	0.006	General
2893-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.018	0.400	-	0.004	General
2894-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.015	0.400	-	0.003	General
2895-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.018	0.400	-	0.004	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
2896-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.011	0.400	-	0.002	General
2897-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.038	0.400	-	0.008	General
2899-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.012	0.400	-	0.003	General
29-ST	Scattered Tree	68	GipP0151	Vulnerable	no	0.200	-	0.031	0.028	0.310	-	0.006	General
2900-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.013	0.400	-	0.003	General
2901-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.019	0.400	-	0.004	General
2902-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.036	0.400	-	0.008	General
2903-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.014	0.400	-	0.003	General
2908-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.005	0.400	-	0.001	General
30-ST	Scattered Tree	79	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.310	-	0.014	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
33-ST	Scattered Tree	53	GipP0151	Vulnerable	no	0.200	-	0.031	0.028	0.310	-	0.006	General
42-ST	Scattered Tree	58	GipP0151	Vulnerable	no	0.200	-	0.031	0.031	0.680	-	0.008	General
61-ST	Scattered Tree	70	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.680	-	0.018	General
62-ST	Scattered Tree	120	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.680	-	0.018	General
73-ST	Scattered Tree	104	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.450	-	0.015	General
76-ST	Scattered Tree	84	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.450	-	0.015	General
80-ST	Scattered Tree	86	GipP0151	Vulnerable	no	0.200	1	0.070	0.066	0.620	-	0.016	General
82-ST	Scattered Tree	56	GipP0151	Vulnerable	no	0.200	-	0.031	0.031	0.620	-	0.008	General
83-ST	Scattered Tree	110	GipP0151	Vulnerable	no	0.200	1	0.070	0.059	0.420	-	0.013	General
84-ST	Scattered Tree	70	GipP0151	Vulnerable	no	0.200	1	0.070	0.050	0.420	-	0.011	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
85-ST	Scattered Tree	90	GipP0151	Vulnerable	no	0.200	1	0.070	0.040	0.420	-	0.009	General
87-ST	Scattered Tree	84	GipP0016	Vulnerable	no	0.200	1	0.070	0.070	0.710	-	0.018	General
88-ST	Scattered Tree	37	GipP0016	Vulnerable	no	0.200	-	0.031	0.000	0.710	-	0.000	General
9-ST	Scattered Tree	35	GipP0151	Vulnerable	no	0.200	-	0.031	0.030	0.470	-	0.007	General
90-ST	Scattered Tree	66	GipP0016	Vulnerable	no	0.200	-	0.031	0.010	0.710	-	0.003	General
91-ST	Scattered Tree	101	GipP0016	Vulnerable	no	0.200	1	0.070	0.070	0.710	-	0.018	General
94-ST	Scattered Tree	154	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.720	-	0.018	General
96-ST	Scattered Tree	91	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.720	-	0.018	General

Appendix 2: Information about impacts to rare or threatened species' habitats on site

This table identifies all rare or threatened species with mapped habitat at the site and the proportional impact associated with the proposed native vegetation removal.

Species common name	Species scientific name	Taxon ID	Conservation status	Group	Habitat impacted	Proportional impact (%)
Dwarf Kerrawang	Commersonia prostrata	502965	Endangered	Dispersed	Habitat importance map	0.0028
Australian Mudfish	Neochanna cleaveri	4703	Critically endangered	Dispersed	Habitat importance map	0.0022
Wellington Mint-bush	Prostanthera galbraithiae	503928	Vulnerable	Dispersed	Habitat importance map	0.0013
Orange-tip Finger-orchid	Caladenia aurantiaca	500523	Rare	Dispersed	Habitat importance map	0.0010
Fairy Tern	Sterna nereis nereis	10118	Endangered	Dispersed	Habitat importance map	0.0007
Matted Flax-lily	Dianella amoena	505084	Endangered	Dispersed	Habitat importance map	0.0007
Bog Gum	Eucalyptus kitsoniana	501290	Rare	Dispersed	Habitat importance map	0.0006
Parsley Xanthosia	Xanthosia leiophylla	504562	Rare	Dispersed	Habitat importance map	0.0006
Orange-bellied Parrot	Neophema chrysogaster	10305	Critically endangered	Dispersed	Habitat importance map	0.0005
Purple Diuris	Diuris punctata	501084	Vulnerable	Dispersed	Habitat importance map	0.0005
Purple Blown-grass	Lachnagrostis punicea subsp. punicea	504206	Rare	Dispersed	Habitat importance map	0.0005
Purple Blown-grass	Lachnagrostis punicea subsp. filifolia	504222	Rare	Dispersed	Habitat importance map	0.0005
Little Tern	Sterna albifrons sinensis	10117	Vulnerable	Dispersed	Habitat importance map	0.0004
Australian Grayling	Prototroctes maraena	4686	Vulnerable	Dispersed	Habitat importance map	0.0004

Species common name	Species scientific name	Taxon ID	Conservation status	Group	Habitat impacted	Proportional impact (%)
Variable Bossiaea	Bossiaea heterophylla	500438	Rare	Dispersed	Habitat importance map	0.0004
Coast Grey-box	Eucalyptus bosistoana	501253	Rare	Dispersed	Habitat importance map	0.0004
Green-striped Greenhood	Pterostylis chlorogramma	504728	Vulnerable	Dispersed	Habitat importance map	0.0004
Whimbrel	Numenius phaeopus	10150	Vulnerable	Dispersed	Habitat importance map	0.0003
Grey-tailed Tattler	Tringa brevipes	10155	Critically endangered	Dispersed	Habitat importance map	0.0003
Terek Sandpiper	Xenus cinereus	10160	Endangered	Dispersed	Habitat importance map	0.0003
Great Knot	Calidris tenuirostris	10165	Endangered	Dispersed	Habitat importance map	0.0003
Grey Mangrove	Avicennia marina subsp. australasica	500345	Rare	Dispersed	Habitat importance map	0.0003
Golden Grevillea	Grevillea chrysophaea	501530	Rare	Dispersed	Habitat importance map	0.0003
Lacey River Buttercup	Ranunculus amplus	505019	Rare	Dispersed	Habitat importance map	0.0003
Lewin's Rail	Lewinia pectoralis pectoralis	10045	Vulnerable	Dispersed	Habitat importance map	0.0002
Gull-billed Tern	Gelochelidon nilotica macrotarsa	10111	Endangered	Dispersed	Habitat importance map	0.0002
New Holland Mouse	Pseudomys novaehollandiae	11455	Vulnerable	Dispersed	Habitat importance map	0.0002
Southern Toadlet	Pseudophryne semimarmorata	13125	Vulnerable	Dispersed	Habitat importance map	0.0002
Golden Pomaderris	Pomaderris aurea	502651	Rare	Dispersed	Habitat importance map	0.0002
Rush Lily	Sowerbaea juncea	503207	Rare	Dispersed	Habitat importance map	0.0002
Pacific Golden Plover	Pluvialis fulva	10137	Vulnerable	Dispersed	Habitat importance map	0.0001

Species common name	Species scientific name	Taxon ID	Conservation status	Group	Habitat impacted	Proportional impact (%)
Lesser Sand Plover	Charadrius mongolus	10139	Critically endangered	Dispersed	Habitat importance map	0.0001
Eastern Curlew	Numenius madagascariensis	10149	Vulnerable	Dispersed	Habitat importance map	0.0001
Common Sandpiper	Actitis hypoleucos	10157	Vulnerable	Dispersed	Habitat importance map	0.0001
Common Greenshank	Tringa nebularia	10158	Vulnerable	Dispersed	Habitat importance map	0.0001
Little Egret	Egretta garzetta nigripes	10185	Endangered	Dispersed	Habitat importance map	0.0001
Australian Little Bittern	Ixobrychus dubius	10195	Endangered	Dispersed	Habitat importance map	0.0001
Australasian Bittern	Botaurus poiciloptilus	10197	Endangered	Dispersed	Habitat importance map	0.0001
Australasian Shoveler	Anas rhynchotis	10212	Vulnerable	Dispersed	Habitat importance map	0.0001
Hardhead	Aythya australis	10215	Vulnerable	Dispersed	Habitat importance map	0.0001
Grey Goshawk	Accipiter novaehollandiae novaehollandiae	10220	Vulnerable	Dispersed	Habitat importance map	0.0001
Chestnut-rumped Heathwren	Calamanthus pyrrhopygius	10498	vulnerable	Dispersed	Habitat importance map	0.0001
Swamp Skink	Lissolepis coventryi	12407	Vulnerable	Dispersed	Habitat importance map	0.0001
Glossy Grass Skink	Pseudemoia rawlinsoni	12683	Vulnerable	Dispersed	Habitat importance map	0.0001
Salt Lawrencia	Lawrencia spicata	501888	Rare	Dispersed	Habitat importance map	0.0001
Swamp Everlasting	Xerochrysum palustre	503763	Vulnerable	Dispersed	Habitat importance map	0.0001
Salt Blown-grass	Lachnagrostis robusta	504223	Rare	Dispersed	Habitat importance map	0.0001
Annual Fireweed	Senecio glomeratus subsp. longifructus	507144	Rare	Dispersed	Habitat importance map	0.0001

Species common name	Species scientific name	Taxon ID	Conservation status	Group	Habitat impacted	Proportional impact (%)
Greater Sand Plover	Charadrius leschenaultii	10141	Critically endangered	Dispersed	Habitat importance map	0.0000
Red Knot	Calidris canutus	10164	Endangered	Dispersed	Habitat importance map	0.0000
Intermediate Egret	Ardea intermedia	10186	Endangered	Dispersed	Habitat importance map	0.0000
Eastern Great Egret	Ardea modesta	10187	Vulnerable	Dispersed	Habitat importance map	0.0000
Freckled Duck	Stictonetta naevosa	10214	Endangered	Dispersed	Habitat importance map	0.0000
Blue-billed Duck	Oxyura australis	10216	Endangered	Dispersed	Habitat importance map	0.0000
Musk Duck	Biziura lobata	10217	Vulnerable	Dispersed	Habitat importance map	0.0000
White-bellied Sea-Eagle	Haliaeetus leucogaster	10226	Vulnerable	Dispersed	Habitat importance map	0.0000
Elegant Parrot	Neophema elegans	10307	Vulnerable	Dispersed	Habitat importance map	0.0000
White-throated Needletail	Hirundapus caudacutus	10334	Vulnerable	Dispersed	Habitat importance map	0.0000
Maroon Leek-orchid	Prasophyllum frenchii	502709	Endangered	Dispersed	Habitat importance map	0.0000
Fisch's Greenhood	Pterostylis fischii	502795	Rare	Dispersed	Habitat importance map	0.0000
Tiny Arrowgrass	Triglochin minutissima	503446	Rare	Dispersed	Habitat importance map	0.0000
Silky Kidney-weed	Dichondra sp. 1	505786	Rare	Dispersed	Habitat importance map	0.0000

Habitat Group

- Highly localised habitat means there is 2,000 hectares or less mapped habitat for the species.
- Dispersed habitat means there is more than 2,000 hectares of mapped habitat for the species.

Habitat Impacted

The Species General Offset test, as described in Section 5.3.1 of the Guidelines, is used to determine if proposed native vegetation removal will result in a proportionally significant impact on the habitat value of rare or threatened species. The test is applied where the native vegetation proposed for removal:

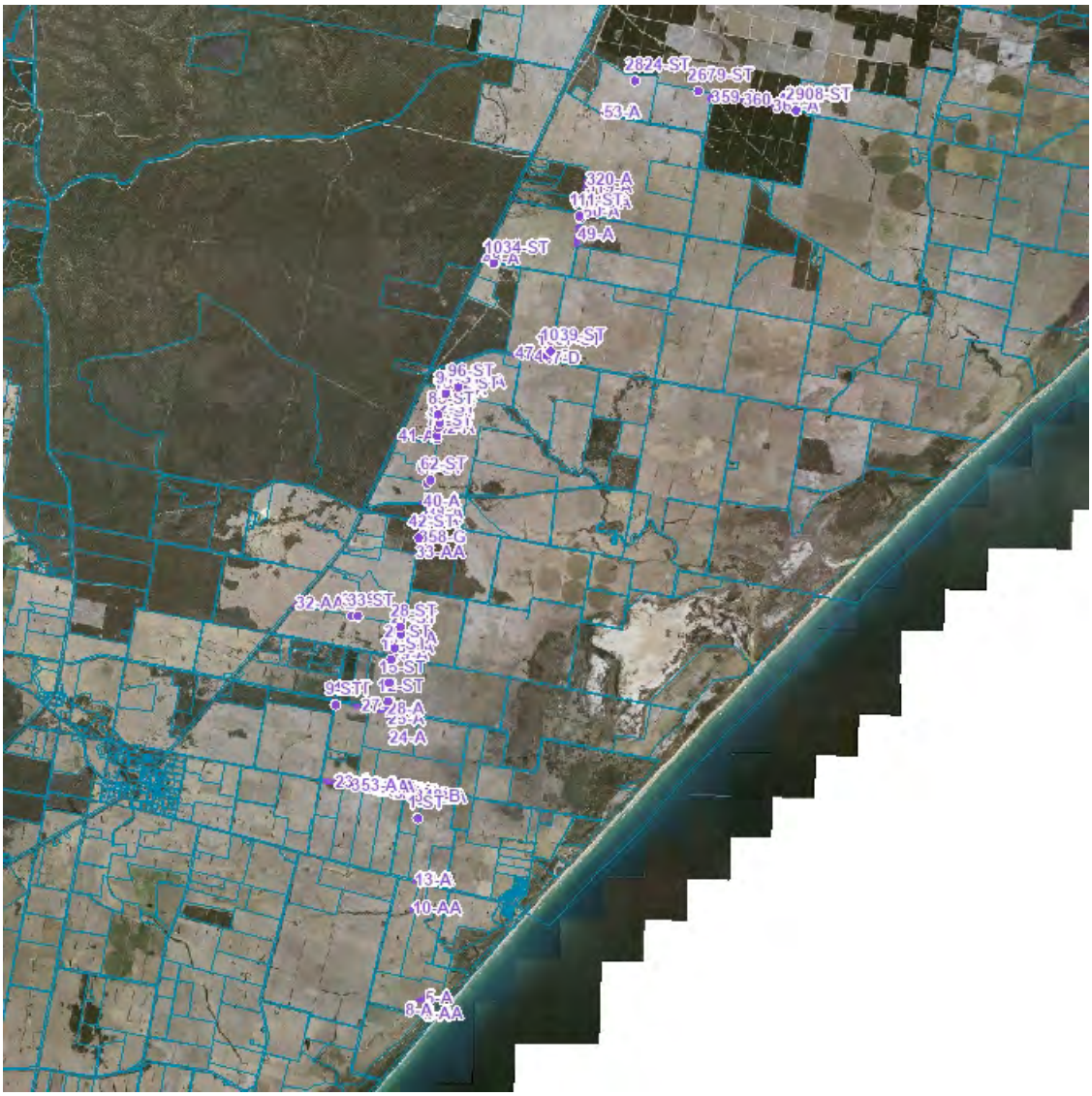
- Intersects the Habitat Importance Map for a rare or threatened species; or
- Intersects the 'top ranking' modelled habitat for a rare or threatened species with dispersed habitat, as identified in its Top Ranking Habitat Importance Map.

Top Ranking Maps consist of the 2,000 hectares of habitat with the highest Habitat Importance Scores for each dispersed species.

The 'Habitat impacted' column identifies whether the Habitat Importance Map or its Top Ranking Map was used to determine the proportional impact for a species with dispersed habitat.

Appendix 3: Images of mapped native vegetation

1. Property in context



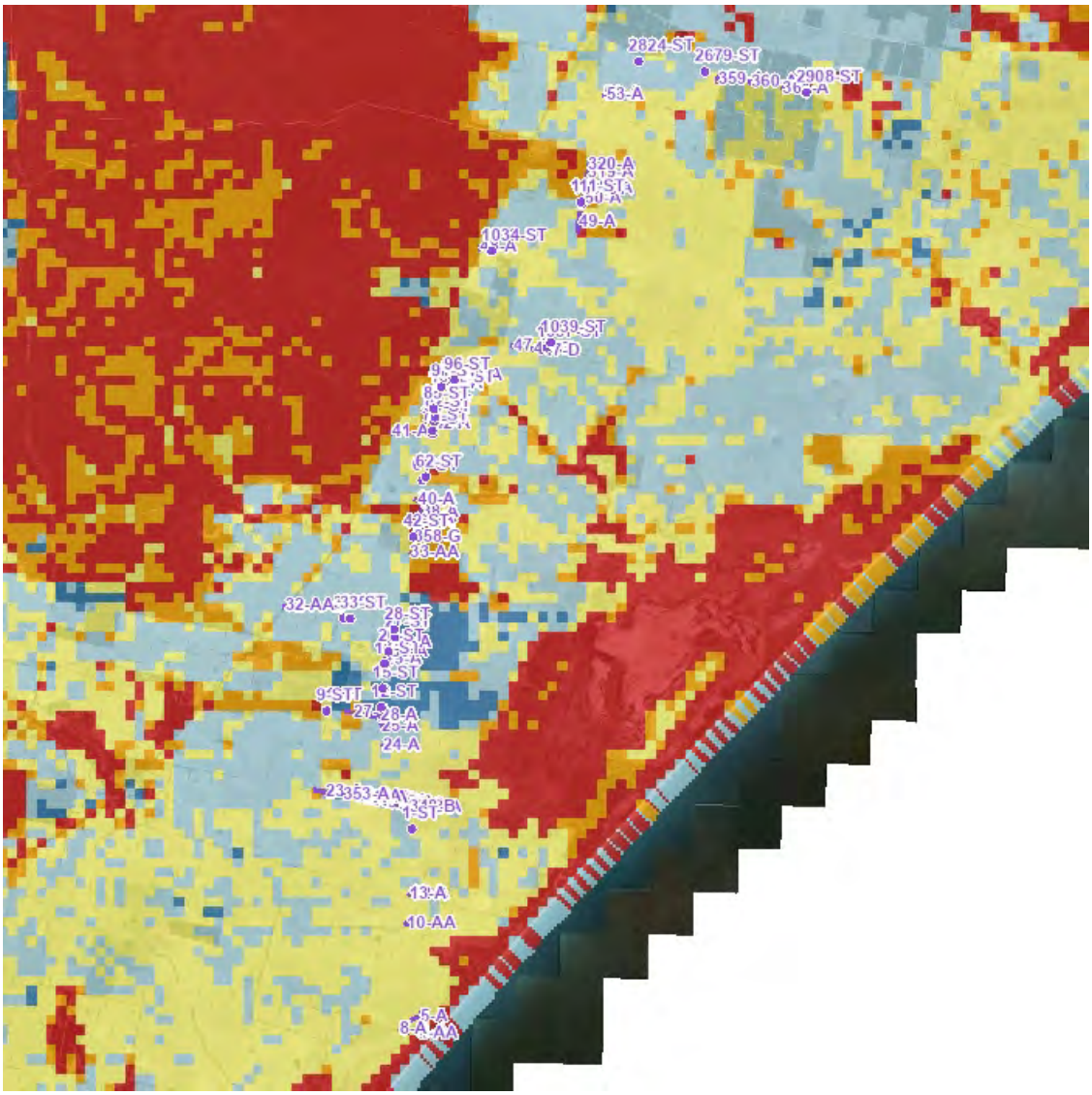
2. Aerial photograph showing mapped native vegetation



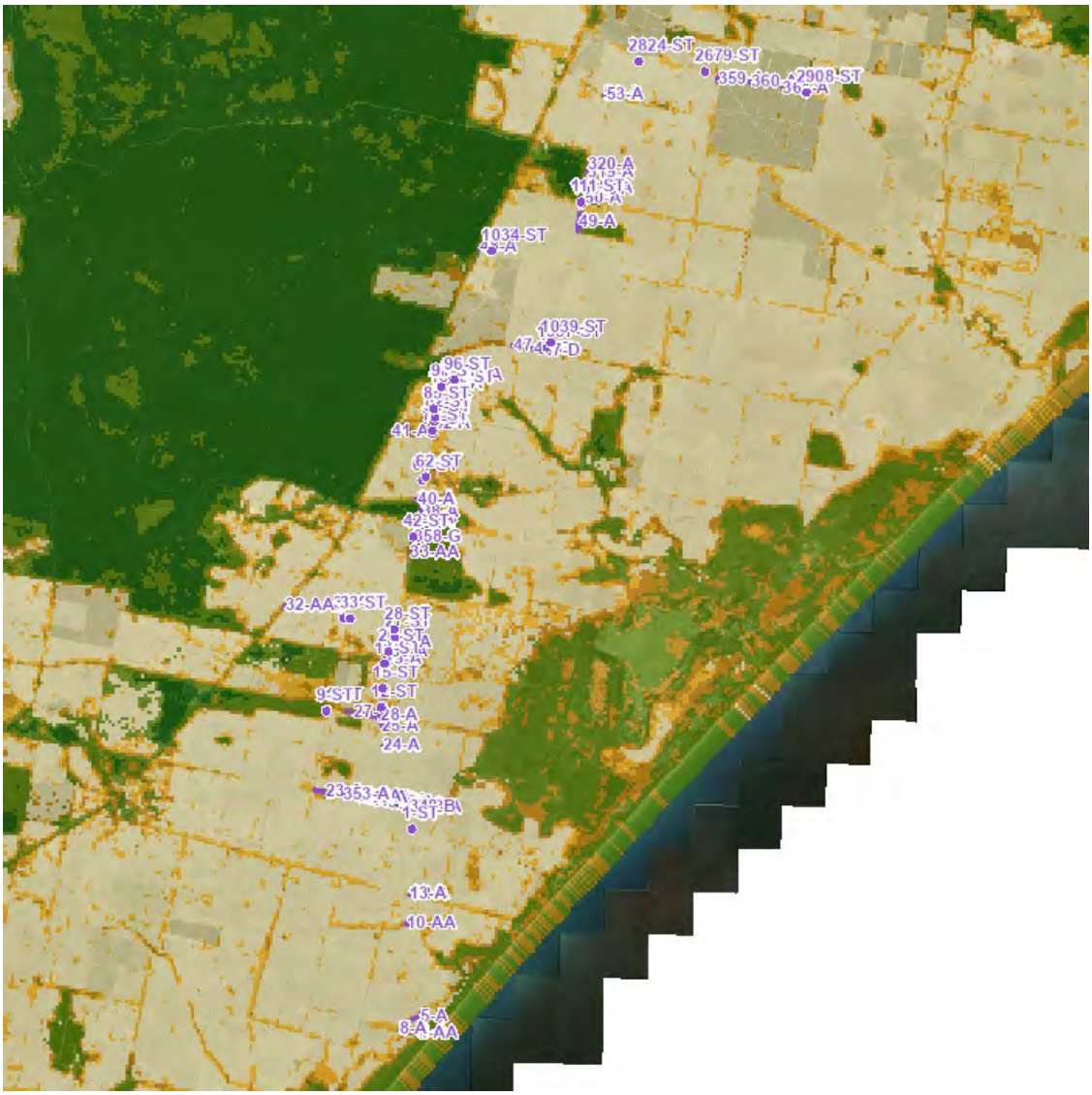
3. Location Risk Map



4. Strategic Biodiversity Value Score Map



5. Modelled Condition Score Map



6. Modelled Endangered EVCs



- Proposed Removal
- Past Removal
- Partial Removal
- Endangered 1750 Ecological Vegetation Classes

7. Habitat Importance maps

Not Applicable

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Native Vegetation Removal Report

NVRR ID: 370_20250701_I03

This report provides information to support an application to remove, destroy or lop native vegetation in accordance with the *Guidelines for the removal, destruction or lopping of native vegetation* (the Guidelines). This report is **not an assessment by DEECA** of the proposed native vegetation removal. Native vegetation information and offset requirements have been determined using spatial data provided by the applicant or their consultant.

Report details

Date created: 01/07/2025

Local Government Area: WELLINGTON SHIRE

Shapefile name:
60721994_NVR_VG20_20250107_OptionA_Patch.shp
60721994_NVR_VG20_20250107_OptionA_Trees.shp

Site assessor name: aecom

Registered Aboriginal Party: Gunaikurnai

Coordinates: 147.03247, -38.41446

Address:
613 WOODSIDE BEACH ROAD WOODSIDE 3874
REEVES BEACH ROAD WOODSIDE 3874
STRINGY BARK LANE WOODSIDE 3874
LYONS ROAD WOODSIDE 3874
FOUR MILE CREEK ROAD DARRIMAN 3851
3518 SOUTH GIPPSLAND HIGHWAY GIFFARD WEST 3851
116 CARSTAIRS ROAD GIFFARD WEST 3851
153 DEWARS ROAD WOODSIDE 3874
LAMBS ROAD DARRIMAN 3851
EPPLESTUNS ROAD GIFFARD WEST 3851
(19 additional addresses not listed)

Regulator Notes

Removal polygons are located:

- On Crown Land

Summary of native vegetation to be removed

Assessment pathway	**Detailed Assessment Pathway**		
Location category	Location 2 The native vegetation extent map indicates that this area is typically characterised as supporting native vegetation. Additionally, it is modelled as encompassing an endangered Ecological Vegetation Class, sensitive wetland or sensitive coastal area. The removal of less than 0.5 hectares of native vegetation in this area will not require a Species Offset.		
Total extent including past and proposed removal (ha) *Includes endangered EVCs (ha): 0.957*	**17.041**	*Extent of past removal (ha)*	*0*
		Extent of proposed removal - Patches (ha)	*15.004*
		Extent of proposed removal - Scattered Trees (ha)	*2.037*
No. Large Trees proposed to be removed	**82**	*No. Large Patch Trees*	*54*
		No. Large Scattered Trees	*28*
No. Small Scattered Trees	12		

Offset requirements if approval is granted

Any approval granted will include a condition to obtain an offset, before the removal of native vegetation, that meets the following requirements:

General Offset amount [1]	**7.9300 General Habitat Units**
Vicinity	West Gippsland CMA or WELLINGTON SHIRE LGA
Minimum strategic biodiversity value score [2]	0.3787
Large Trees*	82
***The total number of Large Trees that the offset must protect**	**82** Large Trees to be protected in either the General, Species or combination across all habitat units protected

NB: values within tables in this document may not add to the totals shown above due to rounding
Appendix 1 includes information about the native vegetation to be removed
Appendix 2 includes information about the rare or threatened species with mapped habitat at the site
Appendix 3 includes the following figures

- Location map
- Strategic Biodiversity Value map
- Condition map
- Endangered EVCs map
- Aerial photograph showing mapped native vegetation
- Property in context
- Habitat Importance maps

1. The General Offset amount required is the sum of all General Habitat Units in Appendix 1.
2. Minimum strategic biodiversity value score is 80 per cent of the weighted average score across habitat zones where a General Offset is required.
3. The Species Offset amount(s) required is the sum of all Species Habitat Units in Appendix 1.

Next steps

Any proposal to remove native vegetation must meet the application requirements of the Detailed Assessment Pathway and it will be assessed under the Detailed Assessment Pathway.

If you wish to remove the mapped native vegetation you are required to apply for approval from the responsible authority. The responsible authority will refer your application to DEECA for assessment, as required. **This report is not a referral assessment by DEECA.**

This *Native vegetation removal report* must be submitted with your application for approval to remove, destroy or lop native vegetation.

Refer to the Guidelines for a full list of application requirements This report provides information that meets the following application requirements:

- The assessment pathway and reason for the assessment pathway.
- A description of the native vegetation to be removed (partly met).
- Maps showing the native vegetation and property (partly met).
- Information about the impacts on rare or threatened species.
- The offset requirements determined in accordance with Section 5 of the Guidelines that apply if approval is granted to remove native vegetation.

Additional application requirements must be met including:

- Topographical and land information
- Recent dated photographs.
- Details of past native vegetation removal.
- An avoid and minimise statement.
- A copy of any Property Vegetation Plan as applicable.
- A defendable space statement as applicable.
- A statement about the Native Vegetation Precinct Plan (NVPP) as applicable.
- A site assessment report including a habitat hectare assessment of any patches of native vegetation and details of trees.
- An offset statement that explains that an offset has been identified and how it will be secured.

Appendix 1: Description of native vegetation to be removed

The Species-General Offset Test was applied to your proposal. This test determines if the proposed removal of native vegetation has a proportional impact on any rare or threatened species habitats above the Species Offset threshold. The threshold is set at 0.005 per cent of the mapped habitat value for a species. When the proportional impact meets or exceeds the Species Offset threshold, a Species Offset is required. This test is completed for all species with mapped habitat at the site. Multiple Species Offsets will be required if the Species Offset threshold is exceeded for multiple species.

Where a zone requires Species Offset(s), the Species Habitat Units for each species in that zone are calculated by the following equation in accordance with the Guidelines: ***Species Habitat Units = extent without overlap x condition score x species landscape factor x 2, where the species landscape factor = 0.5 + (habitat importance score/2)***

The Species Offset amount(s) required is the sum of all Species Habitat Units per zone.

Where a zone does not require a Species Offset, the General Habitat Units in that zone are calculated by the following equation in accordance with the Guidelines: ***General Habitat Units = extent without overlap x condition score x general landscape factor x 1.5, where the general landscape factor = 0.5 + (strategic biodiversity value score/2)***

The General Offset amount required is the sum of all General Habitat Units per zone.

Native vegetation to be removed

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
1-A	Patch	-	GipP0002	Vulnerable	no	0.410	-	0.002	0.002	0.840	-	0.001	General
10-AA	Patch	-	GipP0053	Endangered	no	0.545	-	0.321	0.321	0.460	-	0.191	General
11-A	Patch	-	GipP0003	Vulnerable	no	0.350	-	0.071	0.071	0.407	-	0.026	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
12-A	Patch	-	GipP0003	Vulnerable	no	0.350	-	0.003	0.003	0.400	-	0.001	General
13-A	Patch	-	GipP0003	Vulnerable	no	0.250	-	0.025	0.025	0.410	-	0.007	General
14-A	Patch	-	GipP0053	Endangered	no	0.377	-	0.052	0.052	0.630	-	0.024	General
15-A	Patch	-	GipP0053	Endangered	no	0.377	-	0.024	0.024	0.470	-	0.010	General
16-A	Patch	-	GipP0053	Endangered	no	0.377	-	0.010	0.010	0.630	-	0.005	General
17-A	Patch	-	GipP0053	Endangered	no	0.377	-	0.030	0.030	0.529	-	0.013	General
18-A	Patch	-	GipP0053	Endangered	no	0.377	-	0.041	0.041	0.370	-	0.016	General
19-A	Patch	-	GipP0053	Endangered	no	0.377	-	0.081	0.081	0.390	-	0.032	General
2-A	Patch	-	GipP0160	Depleted	no	0.670	-	0.005	0.005	0.460	-	0.003	General
20-AA	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.035	0.035	0.390	-	0.002	General
21-A	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.097	0.097	0.440	-	0.005	General
22-A	Patch	-	GipP0151	Vulnerable	no	0.400	2	0.524	0.524	0.366	-	0.215	General
23-A	Patch	-	GipP0151	Vulnerable	no	0.320	-	0.547	0.547	0.422	-	0.187	General
24-A	Patch	-	GipP0151	Vulnerable	no	0.160	-	0.034	0.034	0.370	-	0.006	General
25-A	Patch	-	GipP0151	Vulnerable	no	0.180	-	0.022	0.022	0.340	-	0.004	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
26-A	Patch	-	GipP0151	Vulnerable	no	0.270	-	1.303	1.303	0.365	-	0.360	General
27-A	Patch	-	GipP0151	Vulnerable	no	0.270	-	0.447	0.447	0.621	-	0.147	General
28-A	Patch	-	GipP0151	Vulnerable	no	0.540	2	0.296	0.296	0.398	-	0.167	General
29-A	Patch	-	GipP0151	Vulnerable	no	0.700	4	0.249	0.249	0.470	-	0.192	General
298-A	Patch	-	GipP0053	Endangered	no	0.066	-	0.003	0.003	0.330	-	0.000	General
3-A	Patch	-	GipP0160	Depleted	no	0.670	-	0.018	0.018	0.460	-	0.013	General
30-A	Patch	-	GipP0151	Vulnerable	no	0.450	2	0.047	0.047	0.872	-	0.030	General
305-A	Patch	-	GipP0016	Vulnerable	no	0.160	1	0.023	0.023	0.330	-	0.004	General
306-A	Patch	-	GipP0016	Vulnerable	no	0.160	1	0.048	0.048	0.330	-	0.008	General
307-A	Patch	-	GipP0016	Vulnerable	no	0.160	-	0.044	0.044	0.330	-	0.007	General
31-A	Patch	-	GipP0151	Vulnerable	no	0.350	-	0.009	0.009	0.470	-	0.003	General
32-AAB	Patch	-	GipP0151	Vulnerable	no	0.470	3	0.240	0.240	0.380	-	0.117	General
322-A	Patch	-	GipP0016	Vulnerable	no	0.160	-	0.268	0.268	0.495	-	0.048	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
33-AA	Patch	-	GipP0151	Vulnerable	no	0.710	2	0.043	0.043	0.612	-	0.037	General
333-A	Patch	-	GipP0016	Vulnerable	no	0.200	-	0.113	0.113	0.469	-	0.025	General
337-A	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.021	0.021	0.440	-	0.001	General
338-A	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.007	0.007	0.440	-	0.000	General
339-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.030	0.030	0.440	-	0.003	General
34-A	Patch	-	GipP0191	Vulnerable	no	0.664	-	0.206	0.206	0.868	-	0.192	General
341-A	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.042	0.042	0.440	-	0.002	General
342-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.030	0.030	0.390	-	0.003	General
343-A	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.005	0.005	0.390	-	0.000	General
345-A	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.014	0.014	0.390	-	0.001	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
347-A	Patch	-	GipP0053	Endangered	no	0.262	-	0.075	0.075	0.385	-	0.020	General
348-A	Patch	-	GipP0053	Endangered	no	0.262	-	0.123	0.123	0.533	-	0.037	General
348-B	Patch	-	GipP0053	Endangered	no	0.262	-	0.151	0.151	0.486	-	0.044	General
349-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.008	0.008	0.408	-	0.001	General
35-A	Patch	-	GipP0151	Vulnerable	no	0.690	-	0.032	0.032	0.880	-	0.031	General
350-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.029	0.029	0.360	-	0.003	General
351-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.014	0.014	0.360	-	0.001	General
352-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.111	0.111	0.380	-	0.011	General
353-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.006	0.006	0.380	-	0.001	General
358-G	Patch	-	GipP0151	Vulnerable	no	0.370	-	0.026	0.026	0.680	-	0.012	General
36-A	Patch	-	GipP0191	Vulnerable	no	0.644	-	0.713	0.713	0.872	-	0.645	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
362-A	Patch	-	GipP0698	Vulnerable	no	0.250	-	0.026	0.026	0.420	-	0.007	General
363-A	Patch	-	GipP0698	Vulnerable	no	0.200	-	0.048	0.048	0.670	-	0.012	General
364-A	Patch	-	GipP0698	Vulnerable	no	0.330	-	0.067	0.067	0.450	-	0.024	General
365-A	Patch	-	GipP0698	Vulnerable	no	0.200	-	0.219	0.219	0.580	-	0.052	General
366-A	Patch	-	GipP0698	Vulnerable	no	0.200	-	0.188	0.188	0.560	-	0.044	General
367-A	Patch	-	GipP0698	Vulnerable	no	0.530	-	0.610	0.610	0.460	-	0.354	General
368-A	Patch	-	GipP0698	Vulnerable	no	0.330	-	0.778	0.778	0.428	-	0.275	General
369-A	Patch	-	GipP0698	Vulnerable	no	0.280	-	0.437	0.437	0.285	-	0.118	General
37-A	Patch	-	GipP0151	Vulnerable	no	0.630	1	0.270	0.270	0.880	-	0.240	General
370-A	Patch	-	GipP0698	Vulnerable	no	0.470	-	1.966	1.966	0.368	-	0.948	General
38-A	Patch	-	GipP0151	Vulnerable	no	0.790	11	0.562	0.562	0.476	-	0.491	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
39-A	Patch	-	GipP0151	Vulnerable	no	0.670	9	0.297	0.297	0.560	-	0.233	General
4-AA	Patch	-	GipP0160	Depleted	no	0.660	-	0.025	0.025	0.460	-	0.018	General
40-A	Patch	-	GipP0151	Vulnerable	no	0.670	4	0.373	0.373	0.554	-	0.291	General
41-A	Patch	-	GipP0151	Vulnerable	no	0.630	4	0.235	0.235	0.580	-	0.176	General
42-A	Patch	-	GipP0151	Vulnerable	no	0.350	1	0.151	0.151	0.584	-	0.063	General
43-A	Patch	-	GipP0053	Endangered	no	0.281	-	0.005	0.005	0.670	-	0.002	General
44-A	Patch	-	GipP0053	Endangered	no	0.281	-	0.003	0.003	0.670	-	0.001	General
46-A	Patch	-	GipP0053	Endangered	no	0.132	-	0.039	0.039	0.416	-	0.005	General
47-A	Patch	-	GipP0151	Vulnerable	no	0.720	1	0.382	0.382	0.343	-	0.277	General
47-C	Patch	-	GipP0151	Vulnerable	no	0.720	2	0.298	0.298	0.430	-	0.230	General
47-D	Patch	-	GipP0151	Vulnerable	no	0.720	1	0.202	0.202	0.380	-	0.150	General
48-A	Patch	-	GipP0016	Vulnerable	no	0.550	3	0.165	0.165	0.450	-	0.099	General
5-A	Patch	-	GipP0010	Least Concern	no	0.419	-	0.884	0.884	0.460	-	0.406	General
7-A	Patch	-	GipP0160	Depleted	no	0.570	-	0.059	0.059	0.764	-	0.045	General
8-A	Patch	-	GipP0003	Vulnerable	no	0.390	-	0.004	0.004	0.490	-	0.002	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
1-ST	Scattered Tree	86	GipP0016	Vulnerable	no	0.200	1	0.070	0.070	0.430	-	0.015	General
10-ST	Scattered Tree	19	GipP0151	Vulnerable	no	0.200	-	0.031	0.018	0.510	-	0.004	General
1033-ST	Scattered Tree	109	GipP0016	Vulnerable	no	0.200	1	0.070	0.057	0.420	-	0.012	General
1034-ST	Scattered Tree	94	GipP0016	Vulnerable	no	0.200	1	0.070	0.057	0.420	-	0.012	General
1037-ST	Scattered Tree	137	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.380	-	0.015	General
1038-ST	Scattered Tree	76	GipP0016	Vulnerable	no	0.200	1	0.070	0.048	0.340	-	0.010	General
1039-ST	Scattered Tree	72	GipP0016	Vulnerable	no	0.200	1	0.070	0.048	0.340	-	0.010	General
11-ST	Scattered Tree	33	GipP0151	Vulnerable	no	0.200	-	0.031	0.019	0.544	-	0.004	General
12-ST	Scattered Tree	64	GipP0151	Vulnerable	no	0.200	-	0.031	0.031	0.160	-	0.005	General
15-ST	Scattered Tree	126	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.140	-	0.012	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
16-ST	Scattered Tree	83	GipP0151	Vulnerable	no	0.200	1	0.070	0.045	0.380	-	0.009	General
17-ST	Scattered Tree	70	GipP0151	Vulnerable	no	0.200	1	0.070	0.045	0.380	-	0.009	General
1821-ST	Scattered Tree	78	GipP0151	Vulnerable	no	0.200	1	0.070	0.052	0.485	-	0.012	General
1822-ST	Scattered Tree	103	GipP0151	Vulnerable	no	0.200	1	0.070	0.052	0.624	-	0.013	General
26-ST	Scattered Tree	175	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.454	-	0.015	General
2667-ST	Scattered Tree	70	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.450	-	0.015	General
2668-ST	Scattered Tree	71	GipP0016	Vulnerable	no	0.200	1	0.070	0.070	0.444	-	0.015	General
2673-ST	Scattered Tree	64	GipP0016	Vulnerable	no	0.200	-	0.031	0.031	0.430	-	0.007	General
27-ST	Scattered Tree	62	GipP0151	Vulnerable	no	0.200	-	0.031	0.031	0.340	-	0.006	General
28-ST	Scattered Tree	78	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.370	-	0.014	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
29-ST	Scattered Tree	68	GipP0151	Vulnerable	no	0.200	-	0.031	0.028	0.310	-	0.006	General
30-ST	Scattered Tree	79	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.310	-	0.014	General
33-ST	Scattered Tree	53	GipP0151	Vulnerable	no	0.200	-	0.031	0.028	0.310	-	0.006	General
42-ST	Scattered Tree	58	GipP0151	Vulnerable	no	0.200	-	0.031	0.031	0.680	-	0.008	General
61-ST	Scattered Tree	70	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.680	-	0.018	General
62-ST	Scattered Tree	120	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.680	-	0.018	General
73-ST	Scattered Tree	104	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.450	-	0.015	General
76-ST	Scattered Tree	84	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.450	-	0.015	General
80-ST	Scattered Tree	86	GipP0151	Vulnerable	no	0.200	1	0.070	0.066	0.620	-	0.016	General
82-ST	Scattered Tree	56	GipP0151	Vulnerable	no	0.200	-	0.031	0.031	0.620	-	0.008	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
83-ST	Scattered Tree	110	GipP0151	Vulnerable	no	0.200	1	0.070	0.059	0.420	-	0.013	General
84-ST	Scattered Tree	70	GipP0151	Vulnerable	no	0.200	1	0.070	0.050	0.420	-	0.011	General
85-ST	Scattered Tree	90	GipP0151	Vulnerable	no	0.200	1	0.070	0.040	0.420	-	0.009	General
87-ST	Scattered Tree	84	GipP0016	Vulnerable	no	0.200	1	0.070	0.070	0.710	-	0.018	General
88-ST	Scattered Tree	37	GipP0016	Vulnerable	no	0.200	-	0.031	0.000	0.710	-	0.000	General
9-ST	Scattered Tree	35	GipP0151	Vulnerable	no	0.200	-	0.031	0.030	0.470	-	0.007	General
90-ST	Scattered Tree	66	GipP0016	Vulnerable	no	0.200	-	0.031	0.010	0.710	-	0.003	General
91-ST	Scattered Tree	101	GipP0016	Vulnerable	no	0.200	1	0.070	0.070	0.710	-	0.018	General
94-ST	Scattered Tree	154	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.720	-	0.018	General
96-ST	Scattered Tree	91	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.720	-	0.018	General

Appendix 2: Information about impacts to rare or threatened species' habitats on site

This table identifies all rare or threatened species with mapped habitat at the site and the proportional impact associated with the proposed native vegetation removal.

Species common name	Species scientific name	Taxon ID	Conservation status	Group	Habitat impacted	Proportional impact (%)
Dwarf Kerrawang	Commersonia prostrata	502965	Endangered	Dispersed	Habitat importance map	0.0026
Australian Mudfish	Neochanna cleaveri	4703	Critically endangered	Dispersed	Habitat importance map	0.0022
Orange-tip Finger-orchid	Caladenia aurantiaca	500523	Rare	Dispersed	Habitat importance map	0.0010
Fairy Tern	Sterna nereis nereis	10118	Endangered	Dispersed	Habitat importance map	0.0007
Bog Gum	Eucalyptus kitsoniana	501290	Rare	Dispersed	Habitat importance map	0.0007
Matted Flax-lily	Dianella amoena	505084	Endangered	Dispersed	Habitat importance map	0.0007
Parsley Xanthosia	Xanthosia leiophylla	504562	Rare	Dispersed	Habitat importance map	0.0006
Orange-bellied Parrot	Neophema chrysogaster	10305	Critically endangered	Dispersed	Habitat importance map	0.0005
Purple Diuris	Diuris punctata	501084	Vulnerable	Dispersed	Habitat importance map	0.0005
Purple Blown-grass	Lachnagrostis punicea subsp. punicea	504206	Rare	Dispersed	Habitat importance map	0.0005
Purple Blown-grass	Lachnagrostis punicea subsp. filifolia	504222	Rare	Dispersed	Habitat importance map	0.0005
Little Tern	Sterna albifrons sinensis	10117	Vulnerable	Dispersed	Habitat importance map	0.0004
Australian Grayling	Prototroctes maraena	4686	Vulnerable	Dispersed	Habitat importance map	0.0004
Coast Grey-box	Eucalyptus bosistoana	501253	Rare	Dispersed	Habitat importance map	0.0004

Species common name	Species scientific name	Taxon ID	Conservation status	Group	Habitat impacted	Proportional impact (%)
Green-striped Greenhood	Pterostylis chlorogramma	504728	Vulnerable	Dispersed	Habitat importance map	0.0004
Whimbrel	Numenius phaeopus	10150	Vulnerable	Dispersed	Habitat importance map	0.0003
Grey-tailed Tattler	Tringa brevipes	10155	Critically endangered	Dispersed	Habitat importance map	0.0003
Terek Sandpiper	Xenus cinereus	10160	Endangered	Dispersed	Habitat importance map	0.0003
Great Knot	Calidris tenuirostris	10165	Endangered	Dispersed	Habitat importance map	0.0003
Grey Mangrove	Avicennia marina subsp. australasica	500345	Rare	Dispersed	Habitat importance map	0.0003
Golden Grevillea	Grevillea chrysophaea	501530	Rare	Dispersed	Habitat importance map	0.0003
Lacey River Buttercup	Ranunculus amplus	505019	Rare	Dispersed	Habitat importance map	0.0003
Lewin's Rail	Lewinia pectoralis pectoralis	10045	Vulnerable	Dispersed	Habitat importance map	0.0002
Gull-billed Tern	Gelochelidon nilotica macrotarsa	10111	Endangered	Dispersed	Habitat importance map	0.0002
Australasian Bittern	Botaurus poiciloptilus	10197	Endangered	Dispersed	Habitat importance map	0.0002
New Holland Mouse	Pseudomys novaehollandiae	11455	Vulnerable	Dispersed	Habitat importance map	0.0002
Southern Toadlet	Pseudophryne semimarmorata	13125	Vulnerable	Dispersed	Habitat importance map	0.0002
Variable Bossiaea	Bossiaea heterophylla	500438	Rare	Dispersed	Habitat importance map	0.0002
Golden Pomaderris	Pomaderris aurea	502651	Rare	Dispersed	Habitat importance map	0.0002
Pacific Golden Plover	Pluvialis fulva	10137	Vulnerable	Dispersed	Habitat importance map	0.0001
Lesser Sand Plover	Charadrius mongolus	10139	Critically endangered	Dispersed	Habitat importance map	0.0001

Species common name	Species scientific name	Taxon ID	Conservation status	Group	Habitat impacted	Proportional impact (%)
Eastern Curlew	Numenius madagascariensis	10149	Vulnerable	Dispersed	Habitat importance map	0.0001
Common Sandpiper	Actitis hypoleucos	10157	Vulnerable	Dispersed	Habitat importance map	0.0001
Common Greenshank	Tringa nebularia	10158	Vulnerable	Dispersed	Habitat importance map	0.0001
Little Egret	Egretta garzetta nigripes	10185	Endangered	Dispersed	Habitat importance map	0.0001
Australian Little Bittern	Ixobrychus dubius	10195	Endangered	Dispersed	Habitat importance map	0.0001
Australasian Shoveler	Anas rhynchotis	10212	Vulnerable	Dispersed	Habitat importance map	0.0001
Hardhead	Aythya australis	10215	Vulnerable	Dispersed	Habitat importance map	0.0001
Grey Goshawk	Accipiter novaehollandiae novaehollandiae	10220	Vulnerable	Dispersed	Habitat importance map	0.0001
Chestnut-rumped Heathwren	Calamanthus pyrrhopygius	10498	vulnerable	Dispersed	Habitat importance map	0.0001
Swamp Skink	Lissolepis coventryi	12407	Vulnerable	Dispersed	Habitat importance map	0.0001
Glossy Grass Skink	Pseudemoia rawlinsoni	12683	Vulnerable	Dispersed	Habitat importance map	0.0001
Salt Lawrencia	Lawrencia spicata	501888	Rare	Dispersed	Habitat importance map	0.0001
Swamp Everlasting	Xerochrysum palustre	503763	Vulnerable	Dispersed	Habitat importance map	0.0001
Salt Blown-grass	Lachnagrostis robusta	504223	Rare	Dispersed	Habitat importance map	0.0001
Annual Fireweed	Senecio glomeratus subsp. longifructus	507144	Rare	Dispersed	Habitat importance map	0.0001
Greater Sand Plover	Charadrius leschenaultii	10141	Critically endangered	Dispersed	Habitat importance map	0.0000
Red Knot	Calidris canutus	10164	Endangered	Dispersed	Habitat importance map	0.0000
Intermediate Egret	Ardea intermedia	10186	Endangered	Dispersed	Habitat importance map	0.0000

Species common name	Species scientific name	Taxon ID	Conservation status	Group	Habitat impacted	Proportional impact (%)
Eastern Great Egret	Ardea modesta	10187	Vulnerable	Dispersed	Habitat importance map	0.0000
Freckled Duck	Stictonetta naevosa	10214	Endangered	Dispersed	Habitat importance map	0.0000
Blue-billed Duck	Oxyura australis	10216	Endangered	Dispersed	Habitat importance map	0.0000
Musk Duck	Biziura lobata	10217	Vulnerable	Dispersed	Habitat importance map	0.0000
White-bellied Sea-Eagle	Haliaeetus leucogaster	10226	Vulnerable	Dispersed	Habitat importance map	0.0000
Elegant Parrot	Neophema elegans	10307	Vulnerable	Dispersed	Habitat importance map	0.0000
White-throated Needletail	Hirundapus caudacutus	10334	Vulnerable	Dispersed	Habitat importance map	0.0000
Maroon Leek-orchid	Prasophyllum frenchii	502709	Endangered	Dispersed	Habitat importance map	0.0000
Fisch's Greenhood	Pterostylis fischii	502795	Rare	Dispersed	Habitat importance map	0.0000
Rush Lily	Sowerbaea juncea	503207	Rare	Dispersed	Habitat importance map	0.0000
Tiny Arrowgrass	Triglochin minutissima	503446	Rare	Dispersed	Habitat importance map	0.0000
Wellington Mint-bush	Prostanthera galbraithiae	503928	Vulnerable	Dispersed	Habitat importance map	0.0000
Silky Kidney-weed	Dichondra sp. 1	505786	Rare	Dispersed	Habitat importance map	0.0000

Habitat Group

- Highly localised habitat means there is 2,000 hectares or less mapped habitat for the species.
- Dispersed habitat means there is more than 2,000 hectares of mapped habitat for the species.

Habitat Impacted

The Species General Offset test, as described in Section 5.3.1 of the Guidelines, is used to determine if proposed native vegetation removal will result in a proportionally significant impact on the habitat value of rare or threatened species. The test is applied where the native vegetation proposed for removal:

- Intersects the Habitat Importance Map for a rare or threatened species; or
- Intersects the 'top ranking' modelled habitat for a rare or threatened species with dispersed habitat, as identified in its Top Ranking Habitat Importance

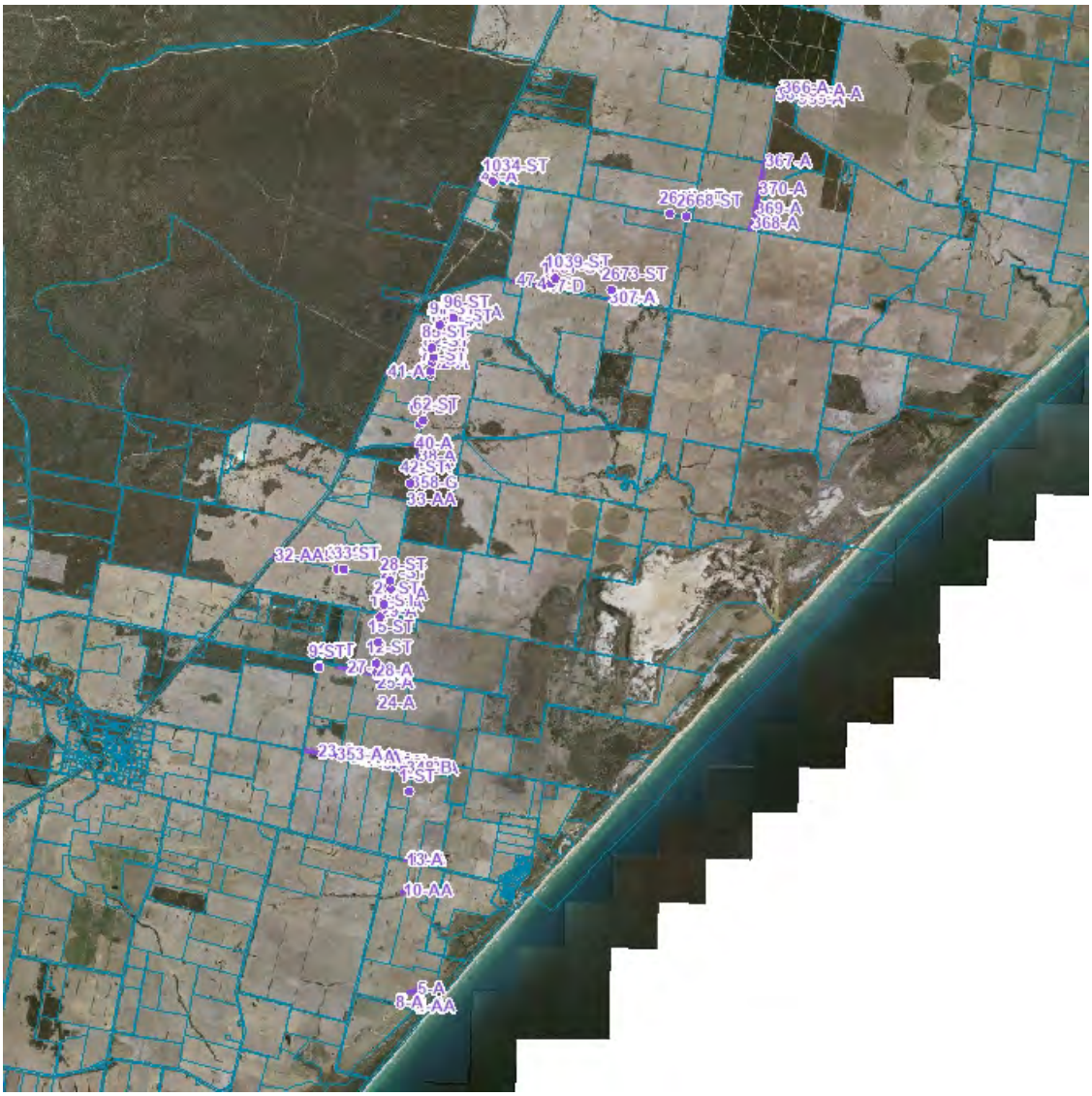
Map.

Top Ranking Maps consist of the 2,000 hectares of habitat with the highest Habitat Importance Scores for each dispersed species.

The 'Habitat impacted' column identifies whether the Habitat Importance Map or its Top Ranking Map was used to determine the proportional impact for a species with dispersed habitat.

Appendix 3: Images of mapped native vegetation

1. Property in context



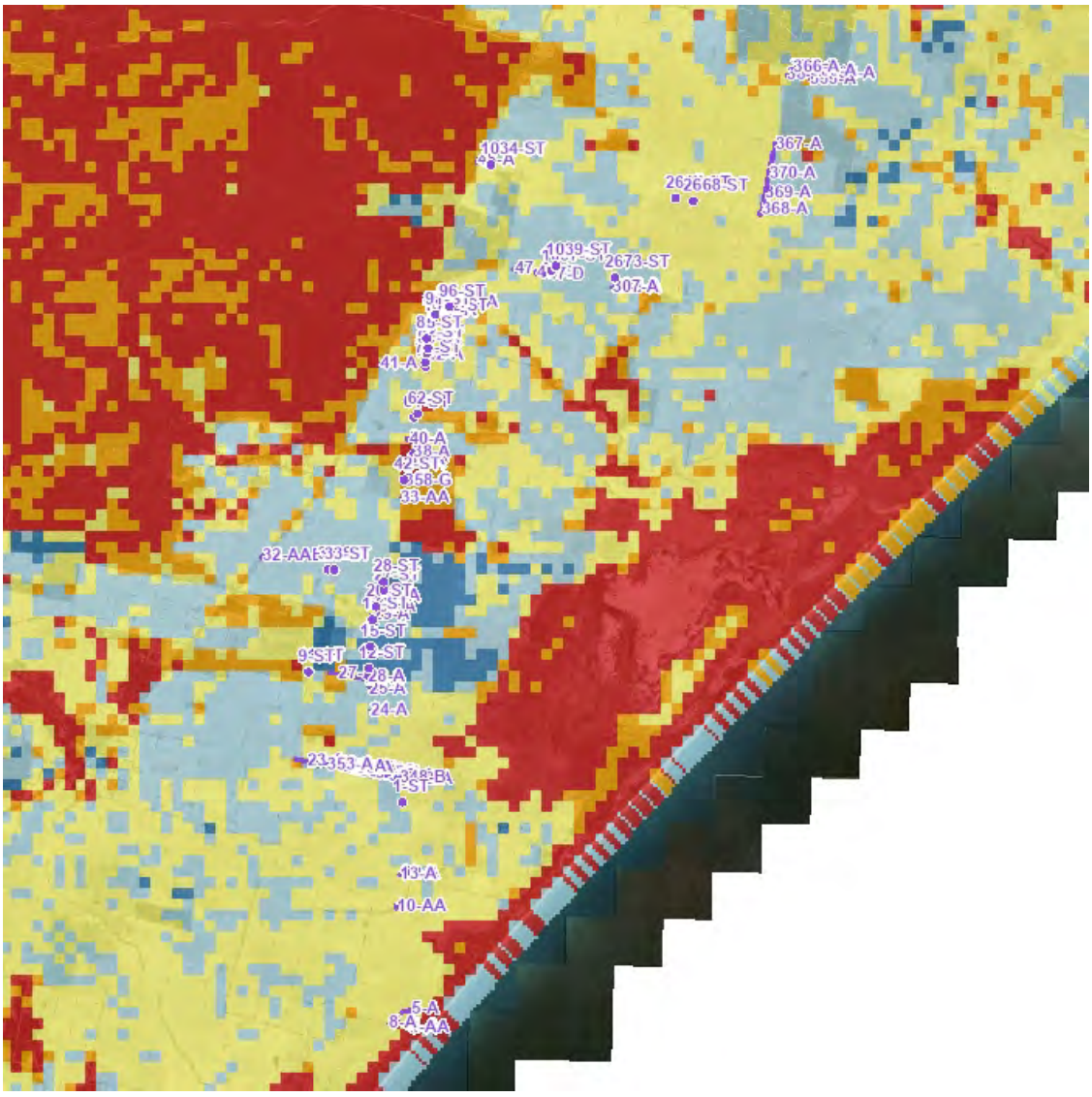
2. Aerial photograph showing mapped native vegetation



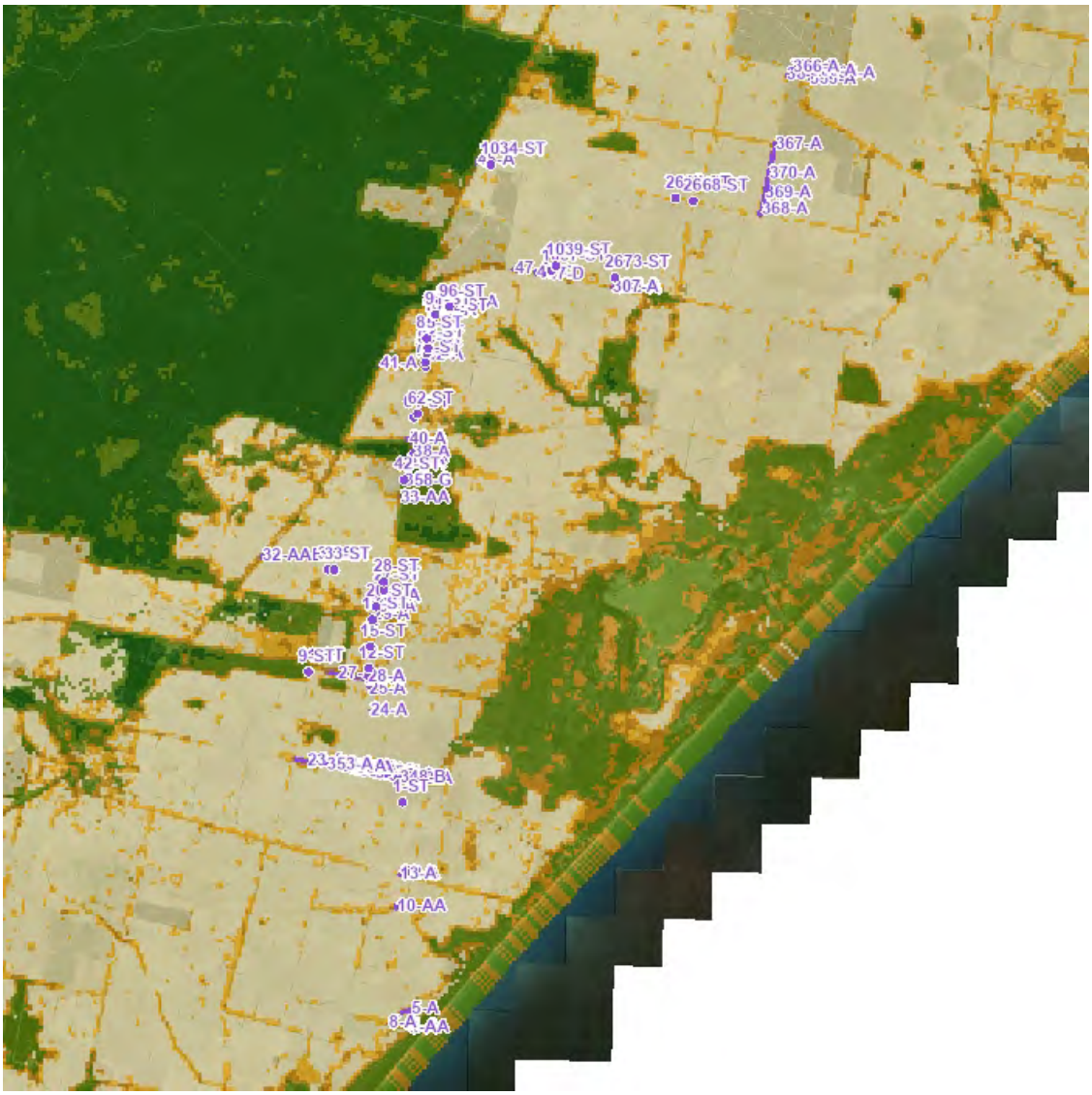
3. Location Risk Map



4. Strategic Biodiversity Value Score Map



5. Modelled Condition Score Map



6. Modelled Endangered EVCs



7. Habitat Importance maps

Not Applicable

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Native Vegetation Removal Report

NVRR ID: 370_20250701_APC

This report provides information to support an application to remove, destroy or lop native vegetation in accordance with the *Guidelines for the removal, destruction or lopping of native vegetation* (the Guidelines). This report is **not an assessment by DEECA** of the proposed native vegetation removal. Native vegetation information and offset requirements have been determined using spatial data provided by the applicant or their consultant.

Report details

Date created: 01/07/2025

Local Government Area: WELLINGTON SHIRE

Shapefile name:
60721994_NVR_VG20_20250107_OptionC_Patch.shp
60721994_NVR_VG20_20250107_OptionC_Trees.shp

Site assessor name: aecom

Registered Aboriginal Party: Gunaikurnai

Coordinates: 146.98949, -38.40530

Address:
613 WOODSIDE BEACH ROAD WOODSIDE 3874
REEVES BEACH ROAD WOODSIDE 3874
STRINGY BARK LANE WOODSIDE 3874
LYONS ROAD WOODSIDE 3874
FOUR MILE CREEK ROAD DARRIMAN 3851
3594 SOUTH GIPPSLAND HIGHWAY GIFFARD WEST 3851
3518 SOUTH GIPPSLAND HIGHWAY GIFFARD WEST 3851
116 CARSTAIRS ROAD GIFFARD WEST 3851
72 EPPLESTUNS ROAD GIFFARD WEST 3851
153 DEWARS ROAD WOODSIDE 3874
(20 additional addresses not listed)

Regulator Notes

Removal polygons are located:

- On Crown Land

Summary of native vegetation to be removed

Assessment pathway	**Detailed Assessment Pathway**		
Location category	Location 2 The native vegetation extent map indicates that this area is typically characterised as supporting native vegetation. Additionally, it is modelled as encompassing an endangered Ecological Vegetation Class, sensitive wetland or sensitive coastal area. The removal of less than 0.5 hectares of native vegetation in this area will not require a Species Offset.		
Total extent including past and proposed removal (ha) *Includes endangered EVCs (ha): 0.954*	**19.317**	*Extent of past removal (ha)*	*0*
		Extent of proposed removal - Patches (ha)	*16.137*
		Extent of proposed removal - Scattered Trees (ha)	*3.180*
No. Large Trees proposed to be removed	**119**	*No. Large Patch Trees*	*66*
		No. Large Scattered Trees	*53*
No. Small Scattered Trees	31		

Offset requirements if approval is granted

Any approval granted will include a condition to obtain an offset, before the removal of native vegetation, that meets the following requirements:

General Offset amount [1]	**8.1970 General Habitat Units**
Vicinity	West Gippsland CMA or WELLINGTON SHIRE LGA
Minimum strategic biodiversity value score [2]	0.3943
Large Trees*	119
***The total number of Large Trees that the offset must protect**	**119** Large Trees to be protected in either the General, Species or combination across all habitat units protected

NB: values within tables in this document may not add to the totals shown above due to rounding
Appendix 1 includes information about the native vegetation to be removed
Appendix 2 includes information about the rare or threatened species with mapped habitat at the site
Appendix 3 includes the following figures

- Location map
- Strategic Biodiversity Value map
- Condition map
- Endangered EVCs map
- Aerial photograph showing mapped native vegetation
- Property in context
- Habitat Importance maps

1. The General Offset amount required is the sum of all General Habitat Units in Appendix 1.
2. Minimum strategic biodiversity value score is 80 per cent of the weighted average score across habitat zones where a General Offset is required.
3. The Species Offset amount(s) required is the sum of all Species Habitat Units in Appendix 1.

Next steps

Any proposal to remove native vegetation must meet the application requirements of the Detailed Assessment Pathway and it will be assessed under the Detailed Assessment Pathway.

If you wish to remove the mapped native vegetation you are required to apply for approval from the responsible authority. The responsible authority will refer your application to DEECA for assessment, as required. **This report is not a referral assessment by DEECA.**

This *Native vegetation removal report* must be submitted with your application for approval to remove, destroy or lop native vegetation.

Refer to the Guidelines for a full list of application requirements This report provides information that meets the following application requirements:

- The assessment pathway and reason for the assessment pathway.
- A description of the native vegetation to be removed (partly met).
- Maps showing the native vegetation and property (partly met).
- Information about the impacts on rare or threatened species.
- The offset requirements determined in accordance with Section 5 of the Guidelines that apply if approval is granted to remove native vegetation.

Additional application requirements must be met including:

- Topographical and land information
- Recent dated photographs.
- Details of past native vegetation removal.
- An avoid and minimise statement.
- A copy of any Property Vegetation Plan as applicable.
- A defendable space statement as applicable.
- A statement about the Native Vegetation Precinct Plan (NVPP) as applicable.
- A site assessment report including a habitat hectare assessment of any patches of native vegetation and details of trees.
- An offset statement that explains that an offset has been identified and how it will be secured.

Appendix 1: Description of native vegetation to be removed

The Species-General Offset Test was applied to your proposal. This test determines if the proposed removal of native vegetation has a proportional impact on any rare or threatened species habitats above the Species Offset threshold. The threshold is set at 0.005 per cent of the mapped habitat value for a species. When the proportional impact meets or exceeds the Species Offset threshold, a Species Offset is required. This test is completed for all species with mapped habitat at the site. Multiple Species Offsets will be required if the Species Offset threshold is exceeded for multiple species.

Where a zone requires Species Offset(s), the Species Habitat Units for each species in that zone are calculated by the following equation in accordance with the Guidelines: ***Species Habitat Units = extent without overlap x condition score x species landscape factor x 2, where the species landscape factor = 0.5 + (habitat importance score/2)***

The Species Offset amount(s) required is the sum of all Species Habitat Units per zone.

Where a zone does not require a Species Offset, the General Habitat Units in that zone are calculated by the following equation in accordance with the Guidelines: ***General Habitat Units = extent without overlap x condition score x general landscape factor x 1.5, where the general landscape factor = 0.5 + (strategic biodiversity value score/2)***

The General Offset amount required is the sum of all General Habitat Units per zone.

Native vegetation to be removed

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
1-A	Patch	-	GipP0002	Vulnerable	no	0.410	-	0.002	0.002	0.840	-	0.001	General
10-AA	Patch	-	GipP0053	Endangered	no	0.545	-	0.321	0.321	0.460	-	0.191	General
11-A	Patch	-	GipP0003	Vulnerable	no	0.350	-	0.071	0.071	0.407	-	0.026	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
12-A	Patch	-	GipP0003	Vulnerable	no	0.350	-	0.003	0.003	0.400	-	0.001	General
13-A	Patch	-	GipP0003	Vulnerable	no	0.250	-	0.025	0.025	0.410	-	0.007	General
14-A	Patch	-	GipP0053	Endangered	no	0.377	-	0.052	0.052	0.630	-	0.024	General
15-A	Patch	-	GipP0053	Endangered	no	0.377	-	0.024	0.024	0.470	-	0.010	General
16-A	Patch	-	GipP0053	Endangered	no	0.377	-	0.010	0.010	0.630	-	0.005	General
17-A	Patch	-	GipP0053	Endangered	no	0.377	-	0.030	0.030	0.529	-	0.013	General
18-A	Patch	-	GipP0053	Endangered	no	0.377	-	0.041	0.041	0.370	-	0.016	General
19-A	Patch	-	GipP0053	Endangered	no	0.377	-	0.081	0.081	0.390	-	0.032	General
2-A	Patch	-	GipP0160	Depleted	no	0.670	-	0.005	0.005	0.460	-	0.003	General
20-AA	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.035	0.035	0.390	-	0.002	General
21-A	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.097	0.097	0.440	-	0.005	General
22-A	Patch	-	GipP0151	Vulnerable	no	0.400	2	0.524	0.524	0.366	-	0.215	General
23-A	Patch	-	GipP0151	Vulnerable	no	0.320	-	0.547	0.547	0.422	-	0.187	General
24-A	Patch	-	GipP0151	Vulnerable	no	0.160	-	0.034	0.034	0.370	-	0.006	General
25-A	Patch	-	GipP0151	Vulnerable	no	0.180	-	0.022	0.022	0.340	-	0.004	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
26-A	Patch	-	GipP0151	Vulnerable	no	0.270	-	1.303	1.303	0.365	-	0.360	General
27-A	Patch	-	GipP0151	Vulnerable	no	0.270	-	0.447	0.447	0.621	-	0.147	General
28-A	Patch	-	GipP0151	Vulnerable	no	0.540	2	0.296	0.296	0.398	-	0.167	General
29-A	Patch	-	GipP0151	Vulnerable	no	0.700	4	0.249	0.249	0.470	-	0.192	General
3-A	Patch	-	GipP0160	Depleted	no	0.670	-	0.018	0.018	0.460	-	0.013	General
30-A	Patch	-	GipP0151	Vulnerable	no	0.450	2	0.047	0.047	0.872	-	0.030	General
304-A	Patch	-	GipP0048	Least Concern	no	0.170	-	0.028	0.028	0.400	-	0.005	General
308-A	Patch	-	GipP0048	Least Concern	no	0.470	-	0.008	0.008	0.400	-	0.004	General
308-B	Patch	-	GipP0048	Least Concern	no	0.470	-	0.008	0.008	0.400	-	0.004	General
31-A	Patch	-	GipP0151	Vulnerable	no	0.350	-	0.009	0.009	0.470	-	0.003	General
310-A	Patch	-	GipP0048	Least Concern	no	0.470	-	0.057	0.057	0.610	-	0.032	General
311-A	Patch	-	GipP0048	Least Concern	no	0.090	1	0.002	0.002	0.530	-	0.000	General
312-A	Patch	-	GipP0048	Least Concern	no	0.090	-	0.008	0.008	0.530	-	0.001	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
317-A	Patch	-	GipP0151	Vulnerable	no	0.160	-	0.004	0.004	0.626	-	0.001	General
319-A	Patch	-	GipP0151	Vulnerable	no	0.250	2	0.372	0.372	0.467	-	0.102	General
32-AAB	Patch	-	GipP0151	Vulnerable	no	0.470	3	0.240	0.240	0.380	-	0.117	General
320-A	Patch	-	GipP0151	Vulnerable	no	0.160	-	0.044	0.044	0.380	-	0.007	General
321-A	Patch	-	GipP0048	Least Concern	no	0.210	-	0.012	0.012	0.550	-	0.003	General
322-A	Patch	-	GipP0016	Vulnerable	no	0.160	-	0.268	0.268	0.495	-	0.048	General
323-A	Patch	-	GipP0016	Vulnerable	no	0.160	-	0.043	0.043	0.430	-	0.007	General
324-A	Patch	-	GipP0016	Vulnerable	no	0.160	-	0.087	0.087	0.427	-	0.015	General
325-A	Patch	-	GipP0016	Vulnerable	no	0.160	-	0.006	0.006	0.420	-	0.001	General
326-A	Patch	-	GipP0016	Vulnerable	no	0.160	-	0.049	0.049	0.402	-	0.008	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
327-A	Patch	-	GipP0016	Vulnerable	no	0.160	-	0.011	0.011	0.400	-	0.002	General
33-AA	Patch	-	GipP0151	Vulnerable	no	0.710	2	0.043	0.043	0.612	-	0.037	General
333-A	Patch	-	GipP0016	Vulnerable	no	0.200	-	0.113	0.113	0.469	-	0.025	General
334-A	Patch	-	GipP0016	Vulnerable	no	0.260	-	0.089	0.089	0.513	-	0.026	General
335-A	Patch	-	GipP0048	Least Concern	no	0.390	-	0.101	0.101	0.610	-	0.047	General
336-A	Patch	-	GipP0016	Vulnerable	no	0.160	-	0.054	0.054	0.527	-	0.010	General
337-A	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.021	0.021	0.440	-	0.001	General
338-A	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.007	0.007	0.440	-	0.000	General
339-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.030	0.030	0.440	-	0.003	General
34-A	Patch	-	GipP0191	Vulnerable	no	0.664	-	0.206	0.206	0.868	-	0.192	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
341-A	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.042	0.042	0.440	-	0.002	General
342-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.030	0.030	0.390	-	0.003	General
343-A	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.005	0.005	0.390	-	0.000	General
345-A	Patch	-	GipP0151	Vulnerable	no	0.050	-	0.014	0.014	0.390	-	0.001	General
347-A	Patch	-	GipP0053	Endangered	no	0.262	-	0.075	0.075	0.385	-	0.020	General
348-A	Patch	-	GipP0053	Endangered	no	0.262	-	0.123	0.123	0.533	-	0.037	General
348-B	Patch	-	GipP0053	Endangered	no	0.262	-	0.151	0.151	0.486	-	0.044	General
349-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.008	0.008	0.408	-	0.001	General
35-A	Patch	-	GipP0151	Vulnerable	no	0.690	-	0.032	0.032	0.880	-	0.031	General
350-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.029	0.029	0.360	-	0.003	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
351-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.014	0.014	0.360	-	0.001	General
352-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.111	0.111	0.380	-	0.011	General
353-A	Patch	-	GipP0151	Vulnerable	no	0.100	-	0.006	0.006	0.380	-	0.001	General
358-G	Patch	-	GipP0151	Vulnerable	no	0.370	-	0.026	0.026	0.680	-	0.012	General
36-A	Patch	-	GipP0191	Vulnerable	no	0.644	-	0.713	0.713	0.872	-	0.645	General
362-A	Patch	-	GipP0698	Vulnerable	no	0.250	-	0.026	0.026	0.420	-	0.007	General
363-A	Patch	-	GipP0698	Vulnerable	no	0.200	-	0.048	0.048	0.670	-	0.012	General
364-A	Patch	-	GipP0698	Vulnerable	no	0.330	-	0.067	0.067	0.450	-	0.024	General
365-A	Patch	-	GipP0698	Vulnerable	no	0.200	-	0.219	0.219	0.580	-	0.052	General
366-A	Patch	-	GipP0698	Vulnerable	no	0.200	-	0.188	0.188	0.560	-	0.044	General
37-A	Patch	-	GipP0151	Vulnerable	no	0.630	1	0.270	0.270	0.880	-	0.240	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
38-A	Patch	-	GipP0151	Vulnerable	no	0.790	11	0.562	0.562	0.476	-	0.491	General
39-A	Patch	-	GipP0151	Vulnerable	no	0.670	9	0.297	0.297	0.560	-	0.233	General
4-AA	Patch	-	GipP0160	Depleted	no	0.660	-	0.025	0.025	0.460	-	0.018	General
40-A	Patch	-	GipP0151	Vulnerable	no	0.670	4	0.373	0.373	0.554	-	0.291	General
41-A	Patch	-	GipP0151	Vulnerable	no	0.630	4	0.235	0.235	0.580	-	0.176	General
42-A	Patch	-	GipP0151	Vulnerable	no	0.350	1	0.151	0.151	0.584	-	0.063	General
43-A	Patch	-	GipP0053	Endangered	no	0.281	-	0.005	0.005	0.670	-	0.002	General
44-A	Patch	-	GipP0053	Endangered	no	0.281	-	0.003	0.003	0.670	-	0.001	General
46-A	Patch	-	GipP0053	Endangered	no	0.132	-	0.039	0.039	0.416	-	0.005	General
47-A	Patch	-	GipP0151	Vulnerable	no	0.720	1	0.382	0.382	0.343	-	0.277	General
47-C	Patch	-	GipP0151	Vulnerable	no	0.720	2	0.298	0.298	0.430	-	0.230	General
47-D	Patch	-	GipP0151	Vulnerable	no	0.720	1	0.202	0.202	0.380	-	0.150	General
48-A	Patch	-	GipP0016	Vulnerable	no	0.550	3	0.165	0.165	0.450	-	0.099	General
49-A	Patch	-	GipP0151	Vulnerable	no	0.160	-	2.715	2.715	0.474	-	0.480	General
5-A	Patch	-	GipP0010	Least Concern	no	0.419	-	0.884	0.884	0.460	-	0.406	General
50-A	Patch	-	GipP0151	Vulnerable	no	0.630	10	1.204	1.204	0.561	-	0.888	General

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Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
51-A	Patch	-	GipP0151	Vulnerable	no	0.770	1	0.096	0.096	0.430	-	0.079	General
52-A	Patch	-	GipP0151	Vulnerable	no	0.470	-	0.013	0.013	0.430	-	0.007	General
53-A	Patch	-	GipP0151	Vulnerable	no	0.310	-	0.030	0.030	0.430	-	0.010	General
7-A	Patch	-	GipP0160	Depleted	no	0.570	-	0.059	0.059	0.764	-	0.045	General
8-A	Patch	-	GipP0003	Vulnerable	no	0.390	-	0.004	0.004	0.490	-	0.002	General
1-ST	Scattered Tree	86	GipP0016	Vulnerable	no	0.200	1	0.070	0.070	0.430	-	0.015	General
10-ST	Scattered Tree	19	GipP0151	Vulnerable	no	0.200	-	0.031	0.018	0.510	-	0.004	General
1033-ST	Scattered Tree	109	GipP0016	Vulnerable	no	0.200	1	0.070	0.057	0.420	-	0.012	General
1034-ST	Scattered Tree	94	GipP0016	Vulnerable	no	0.200	1	0.070	0.057	0.420	-	0.012	General
1037-ST	Scattered Tree	137	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.380	-	0.015	General
1038-ST	Scattered Tree	76	GipP0016	Vulnerable	no	0.200	1	0.070	0.048	0.340	-	0.010	General
1039-ST	Scattered Tree	72	GipP0016	Vulnerable	no	0.200	1	0.070	0.048	0.340	-	0.010	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
109-ST	Scattered Tree	106	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.390	-	0.015	General
11-ST	Scattered Tree	33	GipP0151	Vulnerable	no	0.200	-	0.031	0.019	0.544	-	0.004	General
111-ST	Scattered Tree	134	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.390	-	0.015	General
12-ST	Scattered Tree	64	GipP0151	Vulnerable	no	0.200	-	0.031	0.031	0.160	-	0.005	General
15-ST	Scattered Tree	126	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.140	-	0.012	General
16-ST	Scattered Tree	83	GipP0151	Vulnerable	no	0.200	1	0.070	0.045	0.380	-	0.009	General
17-ST	Scattered Tree	70	GipP0151	Vulnerable	no	0.200	1	0.070	0.045	0.380	-	0.009	General
1821-ST	Scattered Tree	78	GipP0151	Vulnerable	no	0.200	1	0.070	0.052	0.485	-	0.012	General
1822-ST	Scattered Tree	103	GipP0151	Vulnerable	no	0.200	1	0.070	0.052	0.624	-	0.013	General
26-ST	Scattered Tree	175	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.454	-	0.015	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
27-ST	Scattered Tree	62	GipP0151	Vulnerable	no	0.200	-	0.031	0.031	0.340	-	0.006	General
2701-ST	Scattered Tree	42	GipP0016	Vulnerable	no	0.200	-	0.031	0.007	0.400	-	0.002	General
2703-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.049	0.394	-	0.010	General
2704-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.040	0.400	-	0.008	General
2705-ST	Scattered Tree	27	GipP0016	Vulnerable	no	0.200	-	0.031	0.009	0.382	-	0.002	General
2706-ST	Scattered Tree	36	GipP0016	Vulnerable	no	0.200	-	0.031	0.000	0.000	-	0.000	General
2707-ST	Scattered Tree	27	GipP0016	Vulnerable	no	0.200	-	0.031	0.000	0.400	-	0.000	General
2708-ST	Scattered Tree	34	GipP0016	Vulnerable	no	0.200	-	0.031	0.006	0.399	-	0.001	General
2709-ST	Scattered Tree	31	GipP0016	Vulnerable	no	0.200	-	0.031	0.006	0.400	-	0.001	General
2710-ST	Scattered Tree	31	GipP0016	Vulnerable	no	0.200	-	0.031	0.003	0.400	-	0.001	General

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Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
2711-ST	Scattered Tree	34	GipP0016	Vulnerable	no	0.200	-	0.031	0.004	0.400	-	0.001	General
2712-ST	Scattered Tree	29	GipP0016	Vulnerable	no	0.200	-	0.031	0.001	0.400	-	0.000	General
2713-ST	Scattered Tree	59	GipP0016	Vulnerable	no	0.200	-	0.031	0.011	0.400	-	0.002	General
2714-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.070	0.392	-	0.015	General
2716-ST	Scattered Tree	58	GipP0016	Vulnerable	no	0.200	-	0.031	0.014	0.400	-	0.003	General
2717-ST	Scattered Tree	36	GipP0016	Vulnerable	no	0.200	-	0.031	0.015	0.400	-	0.003	General
2718-ST	Scattered Tree	34	GipP0016	Vulnerable	no	0.200	-	0.031	0.019	0.400	-	0.004	General
2719-ST	Scattered Tree	46	GipP0016	Vulnerable	no	0.200	-	0.031	0.009	0.400	-	0.002	General
2721-ST	Scattered Tree	28	GipP0016	Vulnerable	no	0.200	-	0.031	0.018	0.400	-	0.004	General
2722-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.070	0.400	-	0.015	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
2724-ST	Scattered Tree	23	GipP0016	Vulnerable	no	0.200	-	0.031	0.023	0.400	-	0.005	General
2725-ST	Scattered Tree	44	GipP0016	Vulnerable	no	0.200	-	0.031	0.027	0.400	-	0.006	General
2726-ST	Scattered Tree	32	GipP0016	Vulnerable	no	0.200	-	0.031	0.023	0.400	-	0.005	General
2727-ST	Scattered Tree	6	GipP0016	Vulnerable	no	0.200	-	0.031	0.019	0.400	-	0.004	General
28-ST	Scattered Tree	78	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.370	-	0.014	General
2807-ST	Scattered Tree	60	GipP0151	Vulnerable	no	0.200	-	0.031	0.031	0.420	-	0.007	General
2858-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.052	0.400	-	0.011	General
2859-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.032	0.400	-	0.007	General
2860-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.050	0.400	-	0.010	General
2863-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.037	0.400	-	0.008	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
2866-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.046	0.400	-	0.010	General
2867-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.029	0.400	-	0.006	General
2868-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.034	0.402	-	0.007	General
2869-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.023	0.410	-	0.005	General
2870-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.015	0.400	-	0.003	General
2871-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.018	0.402	-	0.004	General
2872-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.042	0.419	-	0.009	General
2873-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.014	0.419	-	0.003	General
2874-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.020	0.420	-	0.004	General
2875-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.056	0.420	-	0.012	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
2876-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.044	0.420	-	0.009	General
2878-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.046	0.437	-	0.010	General
2879-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.023	0.420	-	0.005	General
2880-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.023	0.420	-	0.005	General
2881-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.027	0.420	-	0.006	General
2882-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.024	0.420	-	0.005	General
2883-ST	Scattered Tree	70	GipP0016	Vulnerable	no	0.200	1	0.070	0.043	0.420	-	0.009	General
29-ST	Scattered Tree	68	GipP0151	Vulnerable	no	0.200	-	0.031	0.028	0.310	-	0.006	General
30-ST	Scattered Tree	79	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.310	-	0.014	General
33-ST	Scattered Tree	53	GipP0151	Vulnerable	no	0.200	-	0.031	0.028	0.310	-	0.006	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
42-ST	Scattered Tree	58	GipP0151	Vulnerable	no	0.200	-	0.031	0.031	0.680	-	0.008	General
61-ST	Scattered Tree	70	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.680	-	0.018	General
62-ST	Scattered Tree	120	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.680	-	0.018	General
73-ST	Scattered Tree	104	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.450	-	0.015	General
76-ST	Scattered Tree	84	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.450	-	0.015	General
80-ST	Scattered Tree	86	GipP0151	Vulnerable	no	0.200	1	0.070	0.066	0.620	-	0.016	General
82-ST	Scattered Tree	56	GipP0151	Vulnerable	no	0.200	-	0.031	0.031	0.620	-	0.008	General
83-ST	Scattered Tree	110	GipP0151	Vulnerable	no	0.200	1	0.070	0.059	0.420	-	0.013	General
84-ST	Scattered Tree	70	GipP0151	Vulnerable	no	0.200	1	0.070	0.050	0.420	-	0.011	General
85-ST	Scattered Tree	90	GipP0151	Vulnerable	no	0.200	1	0.070	0.040	0.420	-	0.009	General

Information provided by or on behalf of the applicant							Information calculated by NVR Map						
Zone	**Type**	**DBH (cm)**	**EVC code**	**Bioregional conservation status**	**Partial Removal**	**Condition score**	**Large Tree(s)**	**Polygon extent (ha)**	**Extent without overlap (ha)**	**SBV score**	**HI Score**	**Habitat Units**	**Offset Type**
87-ST	Scattered Tree	84	GipP0016	Vulnerable	no	0.200	1	0.070	0.070	0.710	-	0.018	General
88-ST	Scattered Tree	37	GipP0016	Vulnerable	no	0.200	-	0.031	0.000	0.710	-	0.000	General
9-ST	Scattered Tree	35	GipP0151	Vulnerable	no	0.200	-	0.031	0.030	0.470	-	0.007	General
90-ST	Scattered Tree	66	GipP0016	Vulnerable	no	0.200	-	0.031	0.010	0.710	-	0.003	General
91-ST	Scattered Tree	101	GipP0016	Vulnerable	no	0.200	1	0.070	0.070	0.710	-	0.018	General
94-ST	Scattered Tree	154	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.720	-	0.018	General
96-ST	Scattered Tree	91	GipP0151	Vulnerable	no	0.200	1	0.070	0.070	0.720	-	0.018	General

Appendix 2: Information about impacts to rare or threatened species' habitats on site

This table identifies all rare or threatened species with mapped habitat at the site and the proportional impact associated with the proposed native vegetation removal.

Species common name	Species scientific name	Taxon ID	Conservation status	Group	Habitat impacted	Proportional impact (%)
Dwarf Kerrawang	Commersonia prostrata	502965	Endangered	Dispersed	Habitat importance map	0.0029
Australian Mudfish	Neochanna cleaveri	4703	Critically endangered	Dispersed	Habitat importance map	0.0022
Wellington Mint-bush	Prostanthera galbraithiae	503928	Vulnerable	Dispersed	Habitat importance map	0.0014
Orange-tip Finger-orchid	Caladenia aurantiaca	500523	Rare	Dispersed	Habitat importance map	0.0010
Fairy Tern	Sterna nereis nereis	10118	Endangered	Dispersed	Habitat importance map	0.0007
Matted Flax-lily	Dianella amoena	505084	Endangered	Dispersed	Habitat importance map	0.0007
Bog Gum	Eucalyptus kitsoniana	501290	Rare	Dispersed	Habitat importance map	0.0006
Purple Blown-grass	Lachnagrostis punicea subsp. punicea	504206	Rare	Dispersed	Habitat importance map	0.0006
Parsley Xanthosia	Xanthosia leiophylla	504562	Rare	Dispersed	Habitat importance map	0.0006
Orange-bellied Parrot	Neophema chrysogaster	10305	Critically endangered	Dispersed	Habitat importance map	0.0005
Purple Diuris	Diuris punctata	501084	Vulnerable	Dispersed	Habitat importance map	0.0005
Purple Blown-grass	Lachnagrostis punicea subsp. filifolia	504222	Rare	Dispersed	Habitat importance map	0.0005
Little Tern	Sterna albifrons sinensis	10117	Vulnerable	Dispersed	Habitat importance map	0.0004
Australian Grayling	Prototroctes maraena	4686	Vulnerable	Dispersed	Habitat importance map	0.0004

Species common name	Species scientific name	Taxon ID	Conservation status	Group	Habitat impacted	Proportional impact (%)
Variable Bossiaea	Bossiaea heterophylla	500438	Rare	Dispersed	Habitat importance map	0.0004
Coast Grey-box	Eucalyptus bosistoana	501253	Rare	Dispersed	Habitat importance map	0.0004
Golden Grevillea	Grevillea chrysophaea	501530	Rare	Dispersed	Habitat importance map	0.0004
Green-striped Greenhood	Pterostylis chlorogramma	504728	Vulnerable	Dispersed	Habitat importance map	0.0004
Whimbrel	Numenius phaeopus	10150	Vulnerable	Dispersed	Habitat importance map	0.0003
Grey-tailed Tattler	Tringa brevipes	10155	Critically endangered	Dispersed	Habitat importance map	0.0003
Terek Sandpiper	Xenus cinereus	10160	Endangered	Dispersed	Habitat importance map	0.0003
Great Knot	Calidris tenuirostris	10165	Endangered	Dispersed	Habitat importance map	0.0003
Grey Mangrove	Avicennia marina subsp. australasica	500345	Rare	Dispersed	Habitat importance map	0.0003
Golden Pomaderris	Pomaderris aurea	502651	Rare	Dispersed	Habitat importance map	0.0003
Lacey River Buttercup	Ranunculus amplus	505019	Rare	Dispersed	Habitat importance map	0.0003
Lewin's Rail	Lewinia pectoralis pectoralis	10045	Vulnerable	Dispersed	Habitat importance map	0.0002
Gull-billed Tern	Gelochelidon nilotica macrotarsa	10111	Endangered	Dispersed	Habitat importance map	0.0002
New Holland Mouse	Pseudomys novaehollandiae	11455	Vulnerable	Dispersed	Habitat importance map	0.0002
Southern Toadlet	Pseudophryne semimarmorata	13125	Vulnerable	Dispersed	Habitat importance map	0.0002
Rush Lily	Sowerbaea juncea	503207	Rare	Dispersed	Habitat importance map	0.0002
Pacific Golden Plover	Pluvialis fulva	10137	Vulnerable	Dispersed	Habitat importance map	0.0001

Species common name	Species scientific name	Taxon ID	Conservation status	Group	Habitat impacted	Proportional impact (%)
Lesser Sand Plover	Charadrius mongolus	10139	Critically endangered	Dispersed	Habitat importance map	0.0001
Eastern Curlew	Numenius madagascariensis	10149	Vulnerable	Dispersed	Habitat importance map	0.0001
Common Sandpiper	Actitis hypoleucos	10157	Vulnerable	Dispersed	Habitat importance map	0.0001
Common Greenshank	Tringa nebularia	10158	Vulnerable	Dispersed	Habitat importance map	0.0001
Little Egret	Egretta garzetta nigripes	10185	Endangered	Dispersed	Habitat importance map	0.0001
Australian Little Bittern	Ixobrychus dubius	10195	Endangered	Dispersed	Habitat importance map	0.0001
Australasian Bittern	Botaurus poiciloptilus	10197	Endangered	Dispersed	Habitat importance map	0.0001
Australasian Shoveler	Anas rhynchotis	10212	Vulnerable	Dispersed	Habitat importance map	0.0001
Hardhead	Aythya australis	10215	Vulnerable	Dispersed	Habitat importance map	0.0001
Grey Goshawk	Accipiter novaehollandiae novaehollandiae	10220	Vulnerable	Dispersed	Habitat importance map	0.0001
Chestnut-rumped Heathwren	Calamanthus pyrrhopygius	10498	vulnerable	Dispersed	Habitat importance map	0.0001
Swamp Skink	Lissolepis coventryi	12407	Vulnerable	Dispersed	Habitat importance map	0.0001
Glossy Grass Skink	Pseudemoia rawlinsoni	12683	Vulnerable	Dispersed	Habitat importance map	0.0001
Salt Lawrencia	Lawrencia spicata	501888	Rare	Dispersed	Habitat importance map	0.0001
Swamp Everlasting	Xerochrysum palustre	503763	Vulnerable	Dispersed	Habitat importance map	0.0001
Salt Blown-grass	Lachnagrostis robusta	504223	Rare	Dispersed	Habitat importance map	0.0001
Annual Fireweed	Senecio glomeratus subsp. longifructus	507144	Rare	Dispersed	Habitat importance map	0.0001

Species common name	Species scientific name	Taxon ID	Conservation status	Group	Habitat impacted	Proportional impact (%)
Greater Sand Plover	Charadrius leschenaultii	10141	Critically endangered	Dispersed	Habitat importance map	0.0000
Red Knot	Calidris canutus	10164	Endangered	Dispersed	Habitat importance map	0.0000
Intermediate Egret	Ardea intermedia	10186	Endangered	Dispersed	Habitat importance map	0.0000
Eastern Great Egret	Ardea modesta	10187	Vulnerable	Dispersed	Habitat importance map	0.0000
Freckled Duck	Stictonetta naevosa	10214	Endangered	Dispersed	Habitat importance map	0.0000
Blue-billed Duck	Oxyura australis	10216	Endangered	Dispersed	Habitat importance map	0.0000
Musk Duck	Biziura lobata	10217	Vulnerable	Dispersed	Habitat importance map	0.0000
White-bellied Sea-Eagle	Haliaeetus leucogaster	10226	Vulnerable	Dispersed	Habitat importance map	0.0000
Elegant Parrot	Neophema elegans	10307	Vulnerable	Dispersed	Habitat importance map	0.0000
White-throated Needletail	Hirundapus caudacutus	10334	Vulnerable	Dispersed	Habitat importance map	0.0000
Maroon Leek-orchid	Prasophyllum frenchii	502709	Endangered	Dispersed	Habitat importance map	0.0000
Fisch's Greenhood	Pterostylis fischii	502795	Rare	Dispersed	Habitat importance map	0.0000
Tiny Arrowgrass	Triglochin minutissima	503446	Rare	Dispersed	Habitat importance map	0.0000
Silky Kidney-weed	Dichondra sp. 1	505786	Rare	Dispersed	Habitat importance map	0.0000

Habitat Group

- Highly localised habitat means there is 2,000 hectares or less mapped habitat for the species.
- Dispersed habitat means there is more than 2,000 hectares of mapped habitat for the species.

Habitat Impacted

The Species General Offset test, as described in Section 5.3.1 of the Guidelines, is used to determine if proposed native vegetation removal will result in a proportionally significant impact on the habitat value of rare or threatened species. The test is applied where the native vegetation proposed for removal:

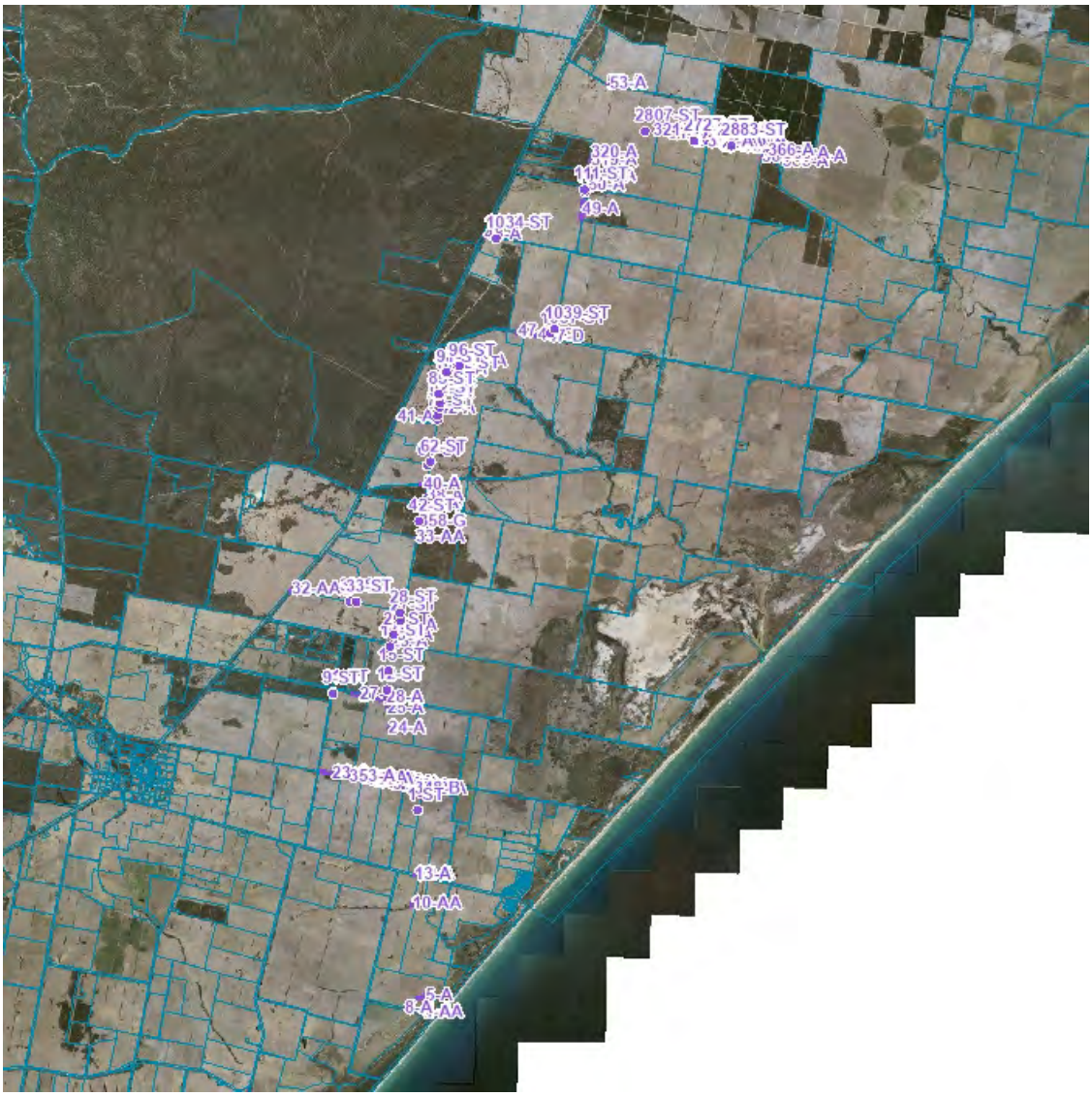
- Intersects the Habitat Importance Map for a rare or threatened species; or
- Intersects the 'top ranking' modelled habitat for a rare or threatened species with dispersed habitat, as identified in its Top Ranking Habitat Importance Map.

Top Ranking Maps consist of the 2,000 hectares of habitat with the highest Habitat Importance Scores for each dispersed species.

The 'Habitat impacted' column identifies whether the Habitat Importance Map or its Top Ranking Map was used to determine the proportional impact for a species with dispersed habitat.

Appendix 3: Images of mapped native vegetation

1. Property in context



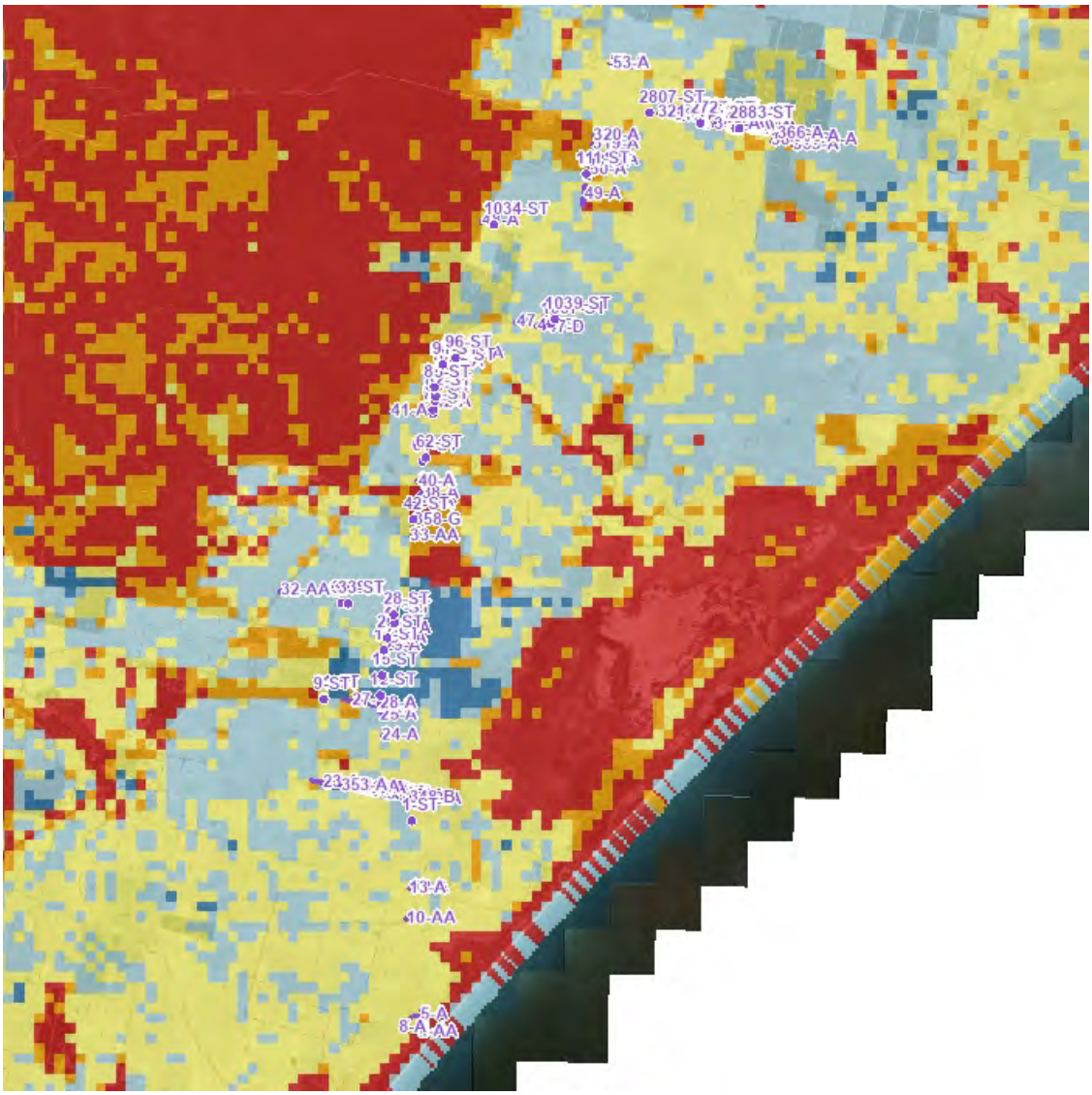
2. Aerial photograph showing mapped native vegetation



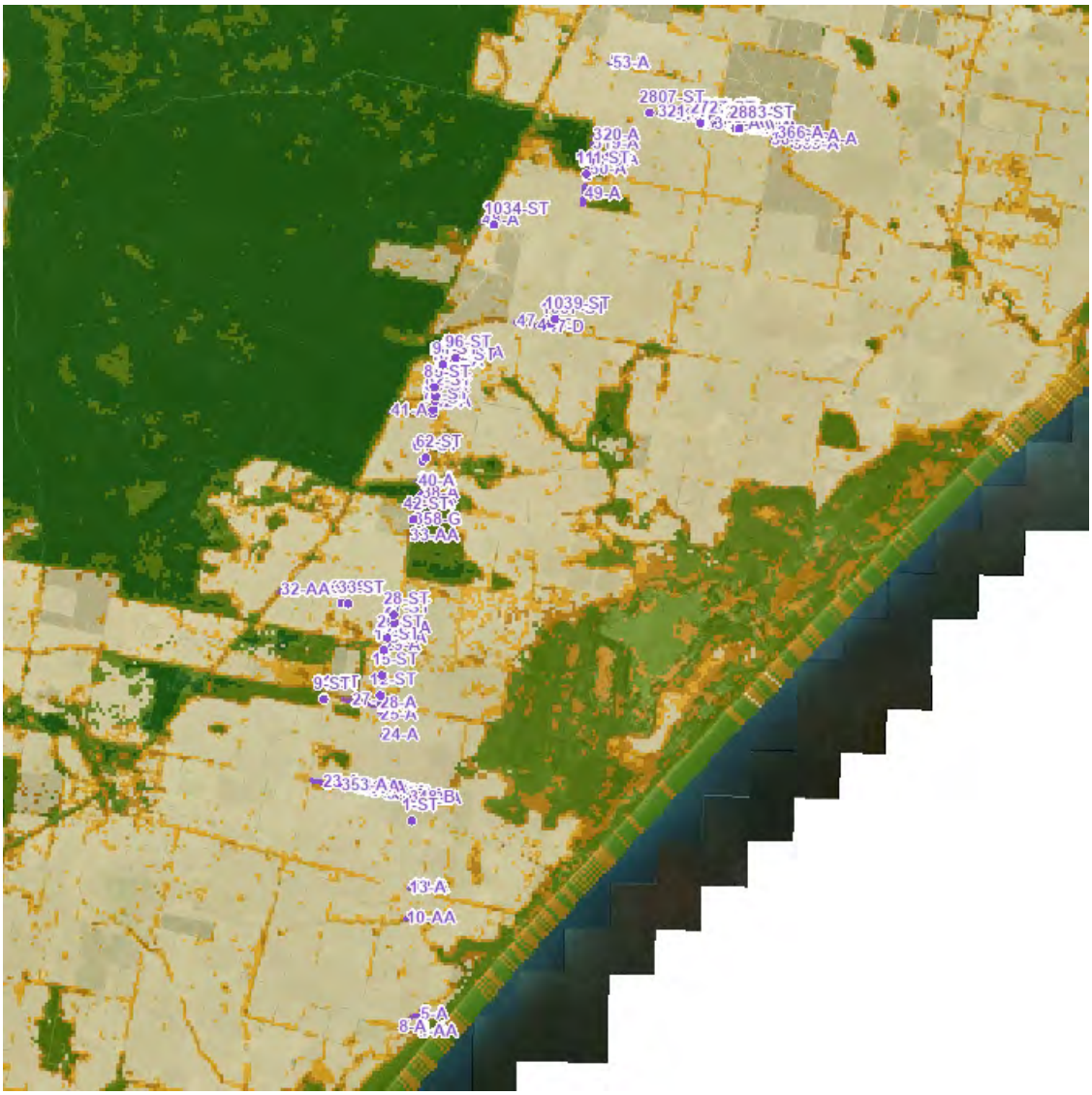
3. Location Risk Map



4. Strategic Biodiversity Value Score Map



5. Modelled Condition Score Map



6. Modelled Endangered EVCs



- Proposed Removal
- Past Removal
- Partial Removal
- Endangered 1750 Ecological Vegetation Classes

7. Habitat Importance maps

Not Applicable

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Appendix 8
Offset availability

Report of available native vegetation credits

This report lists native vegetation credits available to purchase through the Native Vegetation Credit Register.

This report is **not evidence** that an offset has been secured. An offset is only secured when the units have been purchased and allocated to a permit or other approval and an allocated credit extract is provided by the Native Vegetation Credit Register.

Date and time: 02/07/2025 09:17 **Report ID: 30505**

What was searched for?

General offset

General habitat units	Strategic biodiversity value	Large trees	Vicinity (Catchment Management Authority or Municipal district)	
7.93	0.3787	82	CMA	West Gippsland
			or LGA	Wellington Shire

Details of available native vegetation credits on 02 July 2025 09:17

These sites meet your requirements for general offsets.

Credit Site ID	GHU	LT	CMA	LGA	Land owner	Trader	Fixed price	Broker(s)
BBA-0138	12.119	419	West Gippsland	Wellington Shire	Yes	Yes	No	Ecocentric
BBA-0759	18.868	659	West Gippsland	Wellington Shire	Yes	Yes	No	Contact NVOR
BBA-2875	32.869	1037	West Gippsland	Wellington Shire	Yes	Yes	No	Abezco
VC_CFL-3797_01	7.997	941	West Gippsland	Wellington Shire	Yes	Yes	No	Bio Offsets, Ecocentric, VegLink

These sites meet your requirements using alternative arrangements for general offsets.

Credit Site ID	GHU	LT	CMA	LGA	Land owner	Trader	Fixed price	Broker(s)

There are no sites listed in the Native Vegetation Credit Register that meet your offset requirements when applying the alternative arrangements as listed in section 11.2 of the Guidelines for the removal, destruction or lopping of native vegetation.

These potential sites are not yet available, land owners may finalise them once a buyer is confirmed.

Credit Site ID	GHU	LT	CMA	LGA	Land owner	Trader	Fixed price	Broker(s)

There are no potential sites listed in the Native Vegetation Credit Register that meet your offset requirements.

Next steps

If applying for approval to remove native vegetation
Attach this report to an application to remove native vegetation as evidence that your offset requirement is currently available.

If you have approval to remove native vegetation
Below are the contact details for all brokers. Contact the broker(s) listed for the credit site(s) that meet your offset requirements. These are shown in the above tables. If more than one broker or site is listed, you should get more than one quote before deciding which offset to secure.

Broker contact details

Broker Abbreviation	Broker Name	Phone	Email	Website
	Fully traded			
Abezco	Abzeco Pty. Ltd.	(03) 9431 5444	offsets@abzeco.com.au	www.abzeco.com.au
Baw Baw SC	Baw Baw Shire Council	(03) 5624 2411	bawbaw@bawbawshire.vic.gov.au	www.bawbawshire.vic.gov.au
Bio Offsets	Biodiversity Offsets Victoria	0452 161 013	info@offsetsvictoria.com.au	www.offsetsvictoria.com.au
Contact NVOR	Native Vegetation Offset Register	136 186	nativevegetation.offsetregister@deeca.vic.gov.au	www.environment.vic.gov.au/native-vegetation
Ecocentric	Ecocentric Environmental Consulting	0410 564 139	ecocentric@me.com	Not avaliable
Ethos	Ethos NRM Pty Ltd	(03) 5153 0037	offsets@ethosnrm.com.au	www.ethosnrm.com.au
IDES	Indigenous Design Environmental Services Pty Ltd	(03) 9437 0555		www.idecological.com.au
Nillumbik SC	Nillumbik Shire Council	(03) 9433 3316	offsets@nillumbik.vic.gov.au	www.nillumbik.vic.gov.au
TFN	Trust for Nature	8631 5888	offsets@tfn.org.au	www.trustfornature.org.au
VegLink	Vegetation Link Pty Ltd	(03) 8578 4250 or 1300 834 546	offsets@vegetationlink.com.au	www.vegetationlink.com.au
Yarra Ranges SC	Yarra Ranges Shire Council	1300 368 333	biodiversityoffsets@yarraranges.vic.gov.au	www.yarraranges.vic.gov.au

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For more information contact the DEECA Customer Service Centre 136 186 or the Native Vegetation Credit Register at nativevegetation.offsetregister@delwp.vic.gov.au

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Notwithstanding anything else contained in this publication, you must ensure that you comply with all relevant laws, legislation, awards or orders and that you obtain and comply with all permits, approvals and the like that affect, are applicable or are necessary to undertake any action to remove, lop or destroy or otherwise deal with any native vegetation or that apply to matters within the scope of Clauses 52.16 or 52.17 of the Victoria Planning Provisions and Victorian planning schemes

Report of available native vegetation credits

This report lists native vegetation credits available to purchase through the Native Vegetation Credit Register.

This report is **not evidence** that an offset has been secured. An offset is only secured when the units have been purchased and allocated to a permit or other approval and an allocated credit extract is provided by the Native Vegetation Credit Register.

Date and time: 02/07/2025 09:20 **Report ID: 30506**

What was searched for?

General offset

General habitat units	Strategic biodiversity value	Large trees	Vicinity (Catchment Management Authority or Municipal district)	
8.197	0.3943	119	CMA	West Gippsland
			or LGA	Wellington Shire

Details of available native vegetation credits on 02 July 2025 09:20

These sites meet your requirements for general offsets.

Credit Site ID	GHU	LT	CMA	LGA	Land owner	Trader	Fixed price	Broker(s)
BBA-0138	12.119	419	West Gippsland	Wellington Shire	Yes	Yes	No	Ecocentric
BBA-0759	18.868	659	West Gippsland	Wellington Shire	Yes	Yes	No	Contact NVOR
BBA-2875	32.869	1037	West Gippsland	Wellington Shire	Yes	Yes	No	Abezco

These sites meet your requirements using alternative arrangements for general offsets.

Credit Site ID	GHU	LT	CMA	LGA	Land owner	Trader	Fixed price	Broker(s)

There are no sites listed in the Native Vegetation Credit Register that meet your offset requirements when applying the alternative arrangements as listed in section 11.2 of the Guidelines for the removal, destruction or lopping of native vegetation.

These potential sites are not yet available, land owners may finalise them once a buyer is confirmed.

Credit Site ID	GHU	LT	CMA	LGA	Land owner	Trader	Fixed price	Broker(s)

There are no potential sites listed in the Native Vegetation Credit Register that meet your offset requirements.

LT - Large Trees *CMA - Catchment Management Authority* *LGA - Municipal District or Local Government Authority*

Next steps

If applying for approval to remove native vegetation
Attach this report to an application to remove native vegetation as evidence that your offset requirement is currently available.

If you have approval to remove native vegetation
Below are the contact details for all brokers. Contact the broker(s) listed for the credit site(s) that meet your offset requirements. These are shown in the above tables. If more than one broker or site is listed, you should get more than one quote before deciding which offset to secure.

Broker contact details

Broker Abbreviation	Broker Name	Phone	Email	Website
	Fully traded			
Abezco	Abzeco Pty. Ltd.	(03) 9431 5444	offsets@abzeco.com.au	www.abzeco.com.au
Baw Baw SC	Baw Baw Shire Council	(03) 5624 2411	bawbaw@bawbawshire.vic.gov.au	www.bawbawshire.vic.gov.au
Bio Offsets	Biodiversity Offsets Victoria	0452 161 013	info@offsetsvictoria.com.au	www.offsetsvictoria.com.au
Contact NVOR	Native Vegetation Offset Register	136 186	nativevegetation.offsetregister@deeca.vic.gov.au	www.environment.vic.gov.au/native-vegetation
Ecocentric	Ecocentric Environmental Consulting	0410 564 139	ecocentric@me.com	Not avaliable
Ethos	Ethos NRM Pty Ltd	(03) 5153 0037	offsets@ethosnrm.com.au	www.ethosnrm.com.au
IDES	Indigenous Design Environmental Services Pty Ltd	(03) 9437 0555		www.idecological.com.au
Nillumbik SC	Nillumbik Shire Council	(03) 9433 3316	offsets@nillumbik.vic.gov.au	www.nillumbik.vic.gov.au
TFN	Trust for Nature	8631 5888	offsets@tfn.org.au	www.trustfornature.org.au
VegLink	Vegetation Link Pty Ltd	(03) 8578 4250 or 1300 834 546	offsets@vegetationlink.com.au	www.vegetationlink.com.au
Yarra Ranges SC	Yarra Ranges Shire Council	1300 368 333	biodiversityoffsets@yarraranges.vic.gov.au	www.yarraranges.vic.gov.au

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Report of available native vegetation credits

This report lists native vegetation credits available to purchase through the Native Vegetation Credit Register.

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Date and time: 02/07/2025 09:21 **Report ID: 30507**

What was searched for?

General offset

General habitat units	Strategic biodiversity value	Large trees	Vicinity (Catchment Management Authority or Municipal district)	
7.899	0.3938	107	CMA	West Gippsland
			or LGA	Wellington Shire

Details of available native vegetation credits on 02 July 2025 09:21

These sites meet your requirements for general offsets.

Credit Site ID	GHU	LT	CMA	LGA	Land owner	Trader	Fixed price	Broker(s)
BBA-0138	12.119	419	West Gippsland	Wellington Shire	Yes	Yes	No	Ecocentric
BBA-0759	18.868	659	West Gippsland	Wellington Shire	Yes	Yes	No	Contact NVOR
BBA-2875	32.869	1037	West Gippsland	Wellington Shire	Yes	Yes	No	Abezco
VC_CFL-3797_01	7.997	941	West Gippsland	Wellington Shire	Yes	Yes	No	Bio Offsets, Ecocentric, VegLink

These sites meet your requirements using alternative arrangements for general offsets.

Credit Site ID	GHU	LT	CMA	LGA	Land owner	Trader	Fixed price	Broker(s)

There are no sites listed in the Native Vegetation Credit Register that meet your offset requirements when applying the alternative arrangements as listed in section 11.2 of the Guidelines for the removal, destruction or lopping of native vegetation.

These potential sites are not yet available, land owners may finalise them once a buyer is confirmed.

Credit Site ID	GHU	LT	CMA	LGA	Land owner	Trader	Fixed price	Broker(s)

There are no potential sites listed in the Native Vegetation Credit Register that meet your offset requirements.

Next steps

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Ecocentric	Ecocentric Environmental Consulting	0410 564 139	ecocentric@me.com	Not avaliable
Ethos	Ethos NRM Pty Ltd	(03) 5153 0037	offsets@ethosnrm.com.au	www.ethosnrm.com.au
IDES	Indigenous Design Environmental Services Pty Ltd	(03) 9437 0555		www.idecological.com.au
Nillumbik SC	Nillumbik Shire Council	(03) 9433 3316	offsets@nillumbik.vic.gov.au	www.nillumbik.vic.gov.au
TFN	Trust for Nature	8631 5888	offsets@tfn.org.au	www.trustfornature.org.au
VegLink	Vegetation Link Pty Ltd	(03) 8578 4250 or 1300 834 546	offsets@vegetationlink.com.au	www.vegetationlink.com.au
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Appendix 9
Higher resolution figures

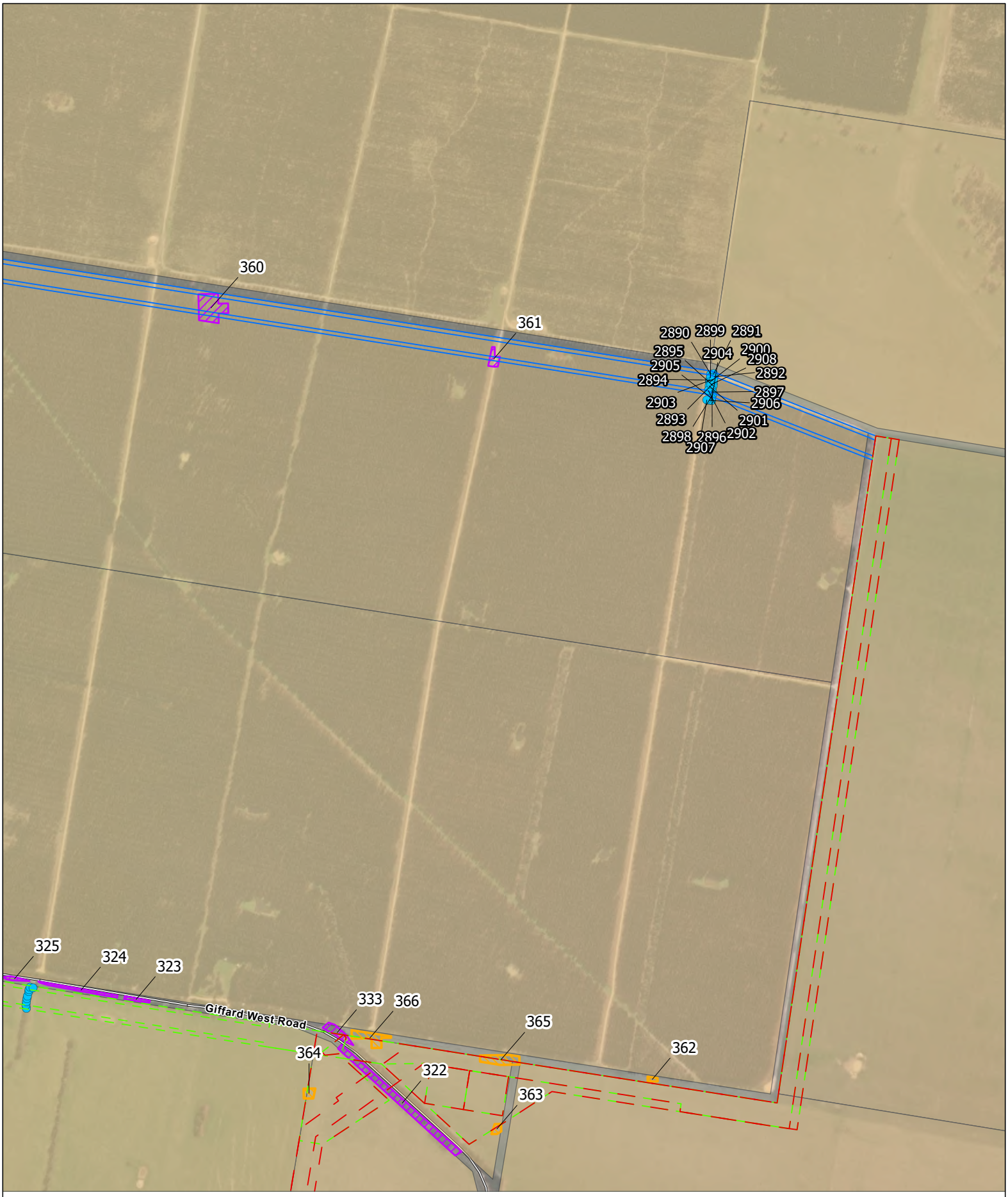


Figure 7-2_A: Existing conditions _ Native vegetation

Project No: 19200_09 **Project**: SOTS **Date**: 18/06/2025

Project area

Alignment

- AB
- C
- D

No land access - DEECA modeled vegetation

Native vegetation

- Aerial mapped
- 16 Lowland Forest
- 698 Lowland Forest/ Heathy Woodland Mosaic



N

Metres

0 100 200 300

GDA2020 MGA Zone 55

Nature Advisory

PO Box 337, Camberwell, VIC 3124, Australia
www.natureadvisory.com.au
03 9815 2111 - info@natureadvisory.com.au

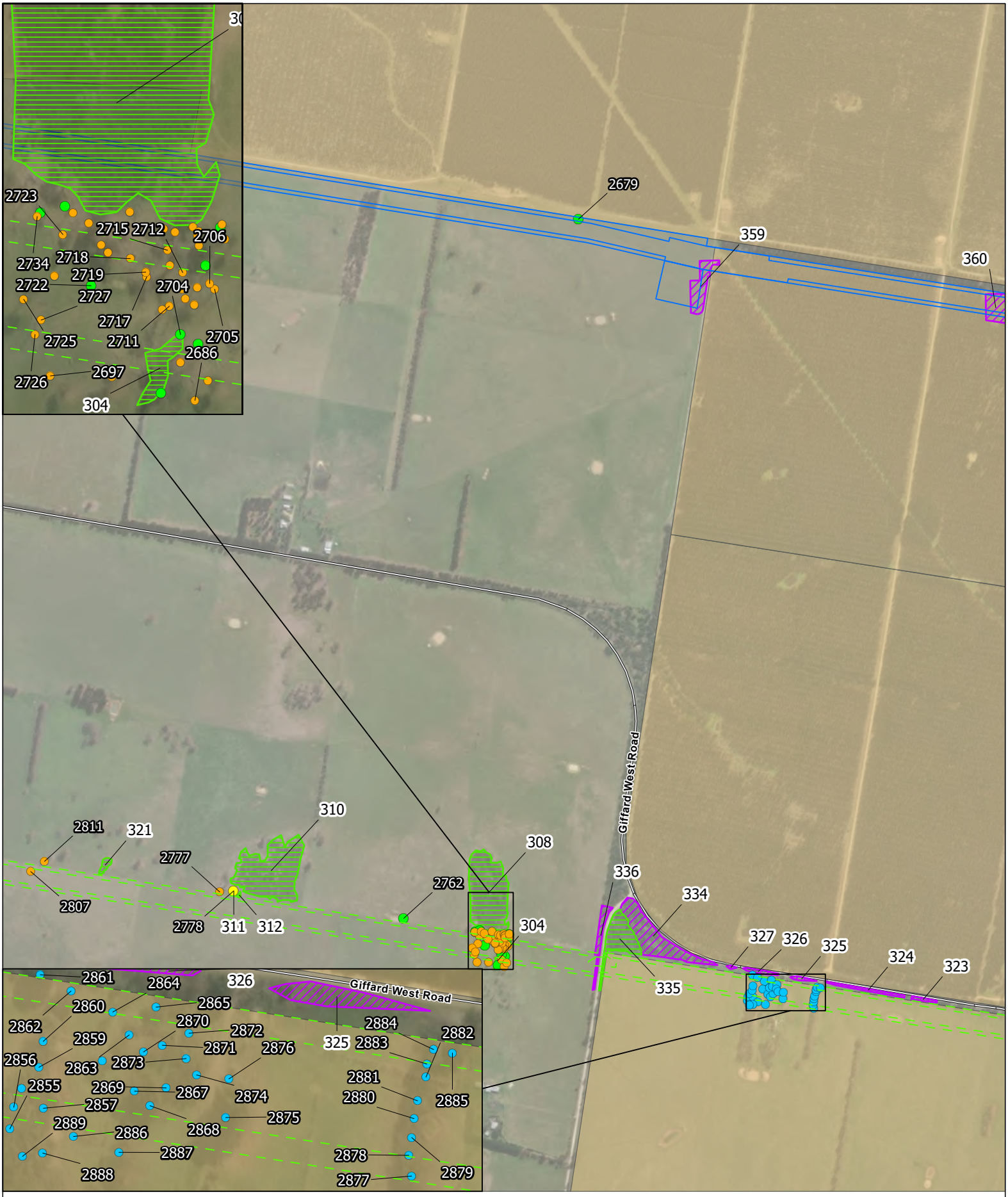


Figure 7-2_B: Existing conditions _ Native vegetation

Project No: 19200_09 **Project**: SOTS **Date**: 18/06/2025

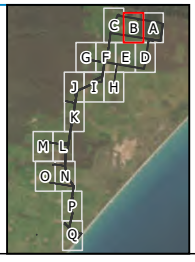
Project area

Alignment

- C
- D
- No land access - DEECA modeled vegetation

Native vegetation

- Large Tree in Patch
- Large Scattered Tree
- Small Scattered Tree
- Aerial mapped
- 16 Lowland Forest
- 48 Heathy Woodland



N

Metres

0 100 200 300

GDA2020 MGA Zone 55

Nature Advisory

PO Box 337, Camberwell, VIC 3124, Australia
www.natureadvisory.com.au
03 9815 2111 - info@natureadvisory.com.au



Figure 7-2_C: Existing conditions _ Native vegetation

Project No: 19200_09 **Project**: SOTS **Date**: 18/06/2025

Project area

Alignment

- C
- D
- No land access - DEECA modeled vegetation

Native vegetation

- Large Tree in Patch
- Small Scattered Tree
- 151 Plains Grassy Forest
- 48 Heathy Woodland



N

Metres

0 100 200 300

GDA2020 MGA Zone 55

Nature Advisory

PO Box 337, Camberwell, VIC 3124, Australia
www.natureadvisory.com.au
03 9815 2111 - info@natureadvisory.com.au



Figure 7-2_D: Existing conditions _ Native vegetation

Project No: 19200_09 **Project**: SOTS **Date**: 18/06/2025

Project area

Alignment

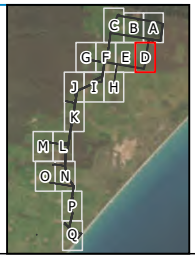
AB

No land access - DEECA modeled vegetation

Native vegetation

191 Riparian Scrub

698 Lowland Forest/ Heathy Woodland Mosaic



N

Metres

0 100 200 300

GDA2020 MGA Zone 55

Nature Advisory

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www.natureadvisory.com.au
03 9815 2111 - info@natureadvisory.com.au

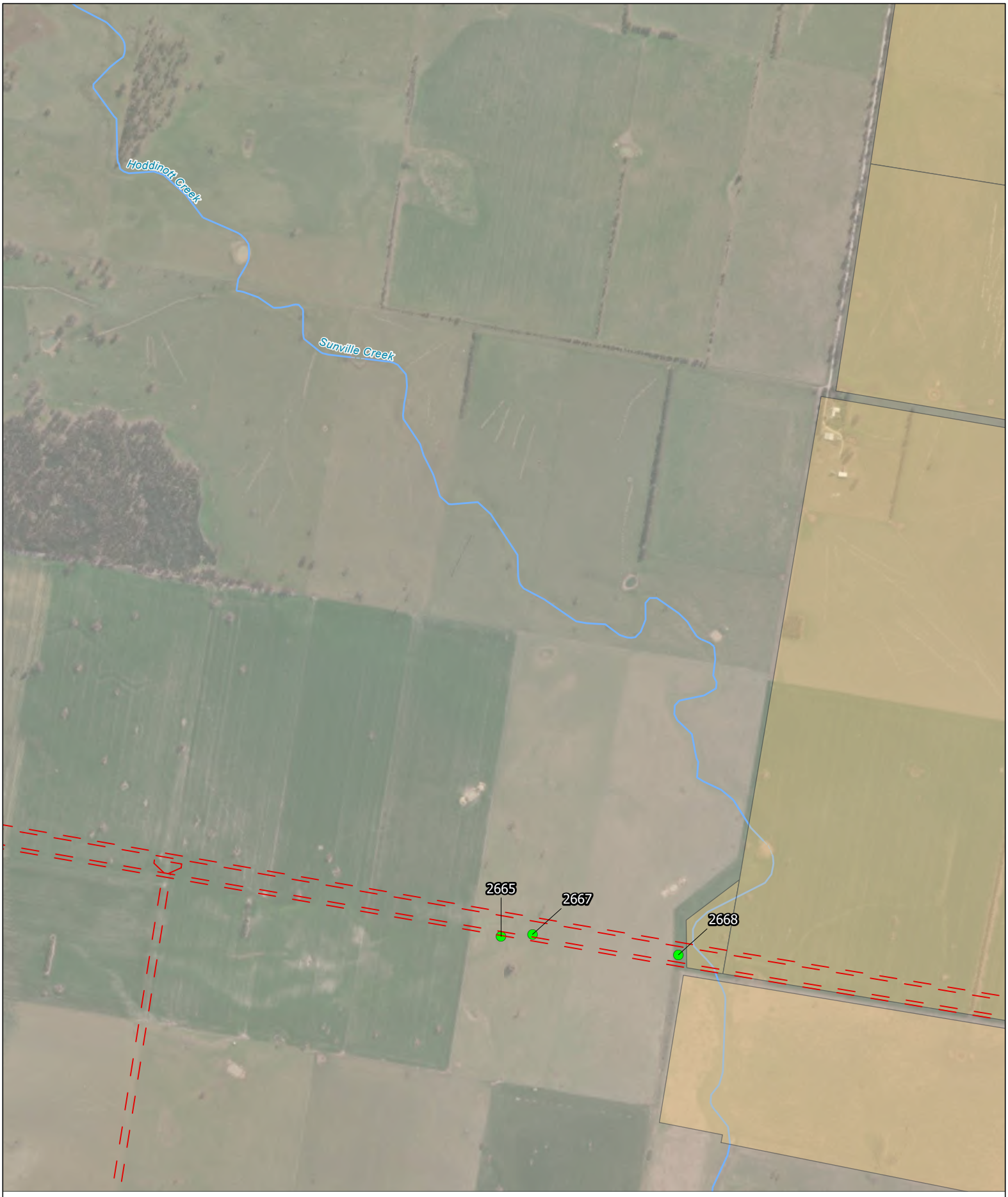


Figure 7-2_E: Existing conditions _ Native vegetation

Project No: 19200_09 **Project**: SOTS **Date**: 18/06/2025

Project area

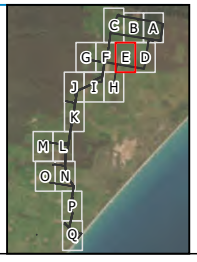
Alignment

AB

No land access - DEECA modeled vegetation

Native vegetation

Large Scattered Tree



N

Metres

0 100 200 300

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Figure 7-2_F: Existing conditions _ Native vegetation

Project No: 19200_09 **Project**: SOTS **Date**: 18/06/2025

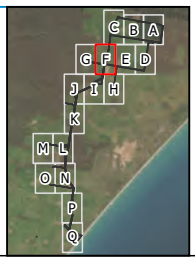
Project area

Alignment

- AB
- C
- D
- Common alignment

Native vegetation

- Large Tree in Patch
- Large Scattered Tree
- 151 Plains Grassy Forest
- 53 Swamp Scrub



N

Metres

0 100 200 300

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Figure 7-2_G: Existing conditions _ Native vegetation

Project No: 19200_09 **Project**: SOTS **Date**: 18/06/2025

Project area

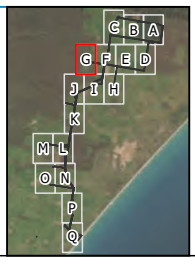
Common alignment

Large Tree in Patch

Large Scattered Tree

Native vegetation

16 Lowland Forest



N

Metres

0 100 200 300

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Figure 7-2_H: Existing conditions _ Native vegetation

Project No: 19200_09 **Project**: SOTS **Date**: 18/06/2025

Project area

Alignment

AB

Common alignment

Large Tree in Patch

Large Scattered Tree

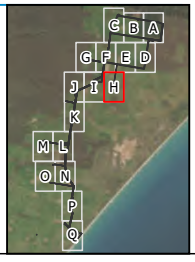
Small Scattered Tree

Native vegetation

151 Plains Grassy Forest

16 Lowland Forest

53 Swamp Scrub



N

Metres

0 100 200 300

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Figure 7-2_I: Existing conditions _ Native vegetation

Project No: 19200_09 **Project**: SOTS **Date**: 18/06/2025

Project area

Common alignment

Large Tree in Patch

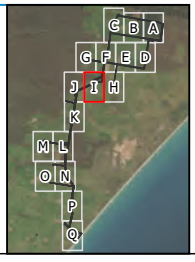
Large Scattered Tree

Small Scattered Tree

Native vegetation

151 Plains Grassy Forest

53 Swamp Scrub



N

Metres

0 100 200 300

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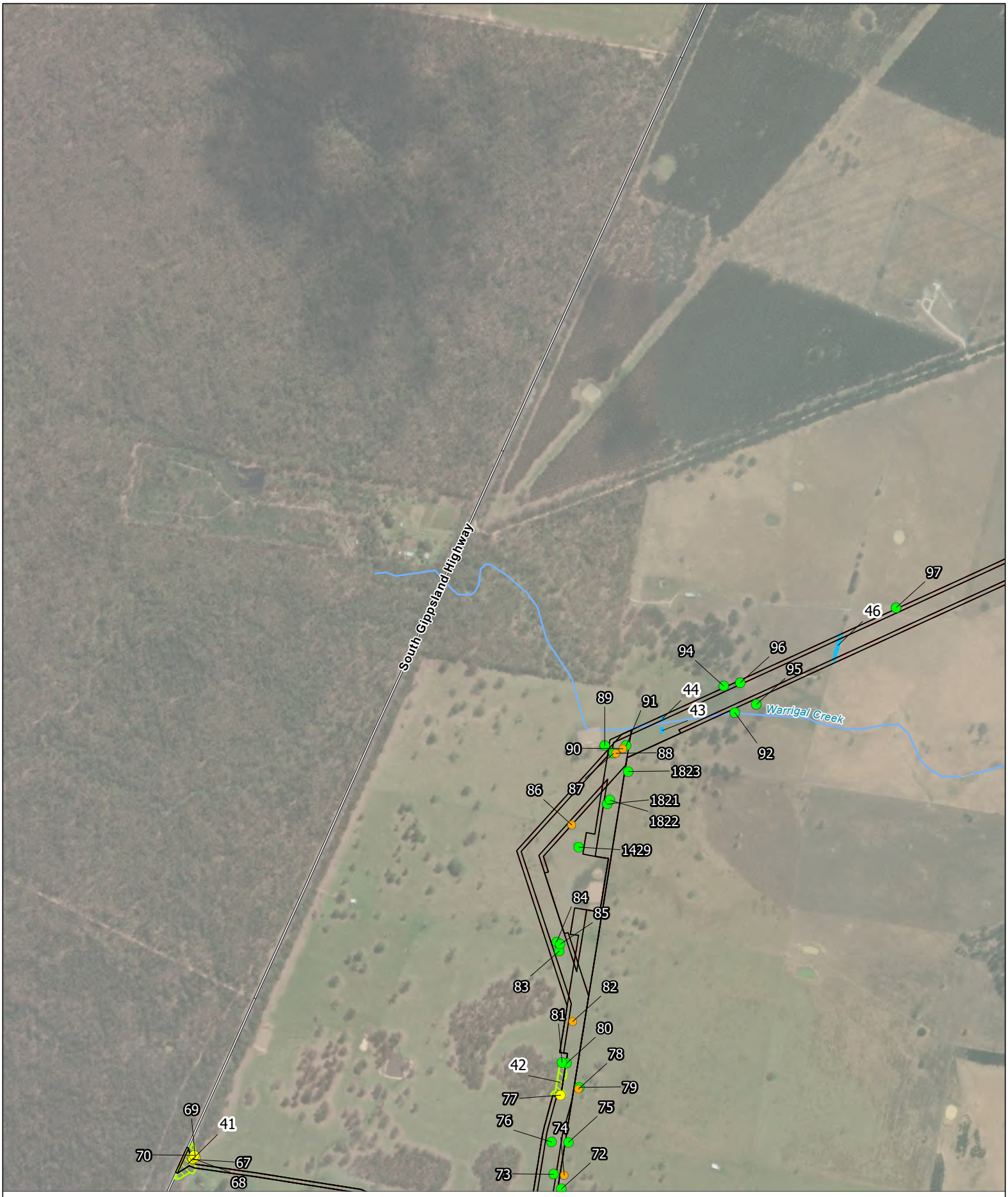


Figure 7-2_J: Existing conditions _ Native vegetation

Project No: 19200_09 **Project**: SOTS **Date**: 18/06/2025

Project area

Common alignment

Large Tree in Patch

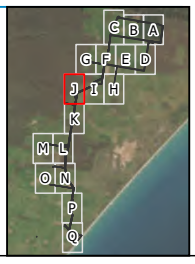
Large Scattered Tree

Small Scattered Tree

Native vegetation

151 Plains Grassy Forest

53 Swamp Scrub



N

Metres

0 100 200 300

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Figure 7-2_K: Existing conditions _ Native vegetation

Project No: 19200_09 **Project**: SOTS **Date**: 18/06/2025

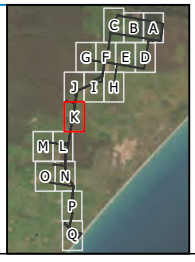
Project area

Common alignment

- Large Tree in Patch
- Large Scattered Tree
- Small Scattered Tree

Native vegetation

- 151 Plains Grassy Forest
- 191 Riparian Scrub



N

Metres

0 100 200 300

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Figure 7-2_L: Existing conditions _ Native vegetation

Project No: 19200_09 **Project**: SOTS **Date**: 18/06/2025

Project area

Common alignment

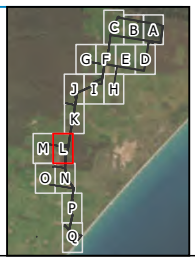
Large Tree in Patch

Large Scattered Tree

Small Scattered Tree

Native vegetation

151 Plains Grassy Forest



N

Metres

0 100 200 300

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Figure 7-2_M: Existing conditions _ Native vegetation

Project No: 19200_09 **Project**: SOTS **Date**: 18/06/2025

Project area

Common alignment

Large Tree in Patch

Native vegetation

151 Plains Grassy Forest



N

Metres

0 100 200 300

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Figure 7-2_N: Existing conditions _ Native vegetation

Project No: 19200_09 **Project**: SOTS **Date**: 18/06/2025

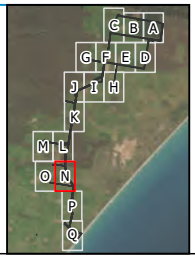
Project area

Common alignment

- Large Tree in Patch
- Large Scattered Tree
- Small Scattered Tree

Native vegetation

- 151 Plains Grassy Forest
- 53 Swamp Scrub



N

Metres

0 100 200 300

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Figure 7-2_O: Existing conditions _ Native vegetation

Project No: 19200_09 **Project**: SOTS **Date**: 18/06/2025

Project area

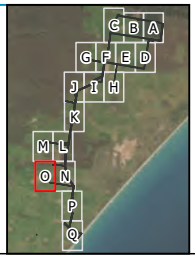
Common alignment

Large Tree in Patch

Small Scattered Tree

Native vegetation

151 Plains Grassy Forest



N

Metres

0 100 200 300

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Figure 7-2_P: Existing conditions _ Native vegetation

Project No: 19200_09 **Project**: SOTS **Date**: 18/06/2025

Project area

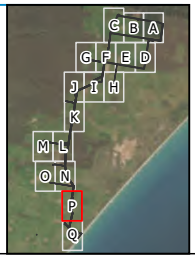
Common alignment

Large Scattered Tree

Native vegetation

3 Damp Sands Herb-rich Woodland

53 Swamp Scrub



N

Metres

0 100 200 300

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Figure 7-2_Q: Existing conditions _ Native vegetation

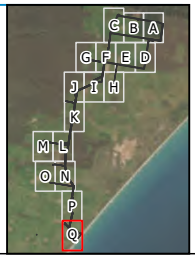
Project No: 19200_09 **Project**: SOTS **Date**: 18/06/2025

Project area

- Common alignment

Native vegetation

- 10 Estuarine Wetland
- 160 Coastal Dune Scrub
- 2 Coast Banksia Woodland
- 3 Damp Sands Herb-rich Woodland
- DEECA wetland



N

Metres

0 100 200 300

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Figure 7-3_B: Existing conditions _ Large trees (Hollow)

Project No: 19200_09 **Project**: SOTS **Date**: 19/06/2025

Project area

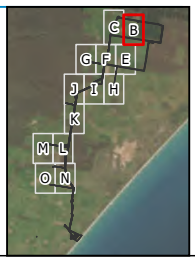
Alignment

- C
- D

No land access - DEECA modeled vegetation

Large tree (hollow)

- Large Tree in Patch
- Large Scattered Tree



N

Metres

0 100 200 300 400

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Figure 7-3_C: Existing conditions _ Large trees (Hollow)

Project No: 19200_09 **Project**: SOTS **Date**: 19/06/2025

Project area

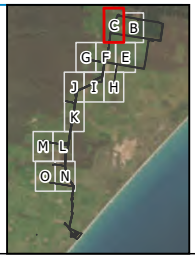
Alignment

- C
- D

No land access - DEECA modeled vegetation

Large tree (hollow)

- Large Tree in Patch



N

Metres

0 100 200 300 400

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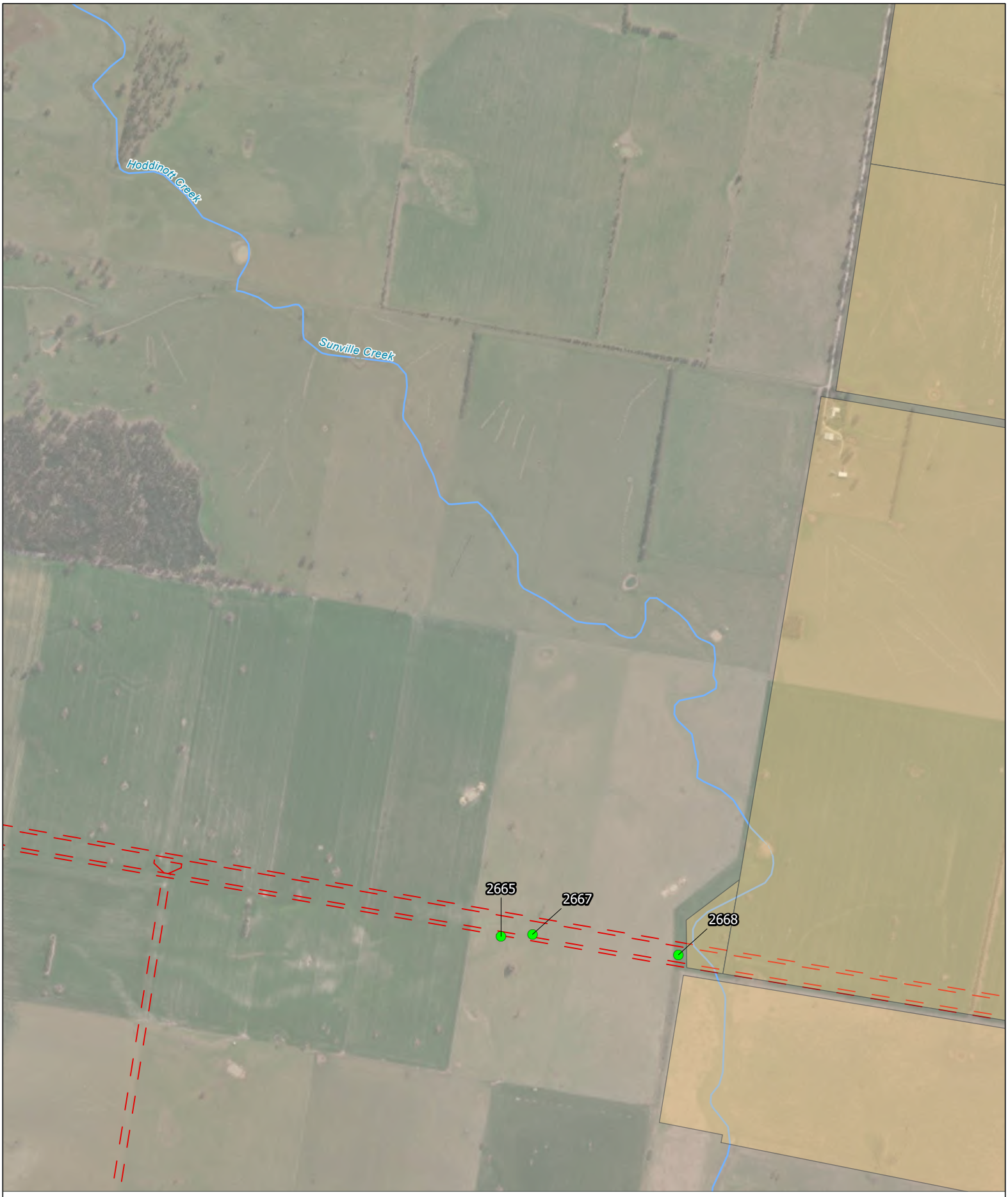


Figure 7-3_E: Existing conditions _ Large trees (Hollow)

Project No: 19200_09 **Project**: SOTS **Date**: 19/06/2025

Project area

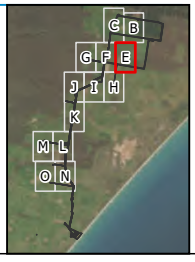
Alignment

AB

No land access - DEECA modeled vegetation

Large tree (hollow)

Large Scattered Tree



N

Metres

0 100 200 300 400

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Figure 7-3_F: Existing conditions _ Large trees (Hollow)

Project No: 19200_09 **Project**: SOTS **Date**: 19/06/2025

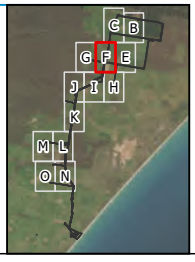
Project area

Alignment

- AB
- C
- D
- Common alignment

Large tree (hollow)

- Large Tree in Patch
- Large Scattered Tree



N

Metres

0 100 200 300 400

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Figure 7-3_G: Existing conditions _ Large trees (Hollow)

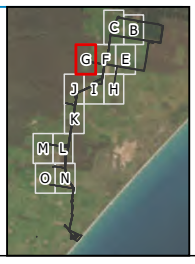
Project No: 19200_09 **Project**: SOTS **Date**: 19/06/2025

Project area

Common alignment

Large tree (hollow)

- Large Tree in Patch
- Large Scattered Tree



N

Metres

0 100 200 300 400

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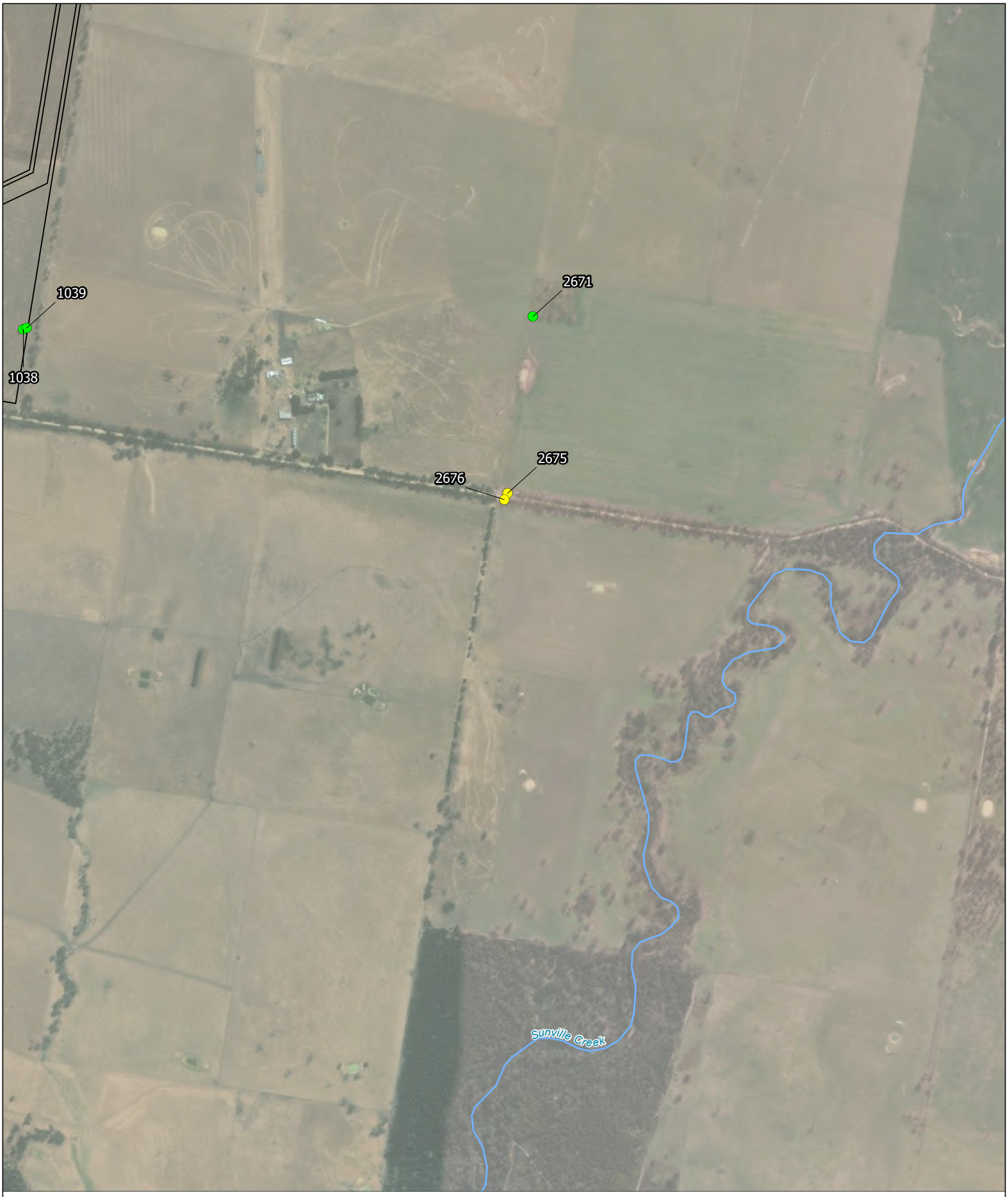


Figure 7-3_H: Existing conditions _ Large trees (Hollow)

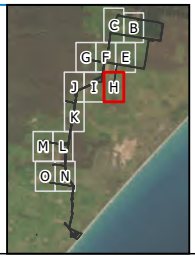
Project No: 19200_09 **Project**: SOTS **Date**: 19/06/2025

Project area

Common alignment

Large tree (hollow)

- Large Tree in Patch
- Large Scattered Tree



N

Metres

0 100 200 300 400

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Figure 7-3_I: Existing conditions _ Large trees (Hollow)

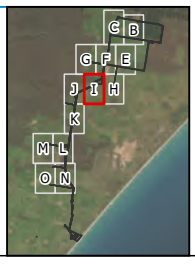
Project No: 19200_09 **Project**: SOTS **Date**: 19/06/2025

Project area

Common alignment

Large tree (hollow)

- Large Tree in Patch
- Large Scattered Tree



N

Metres

0 100 200 300 400

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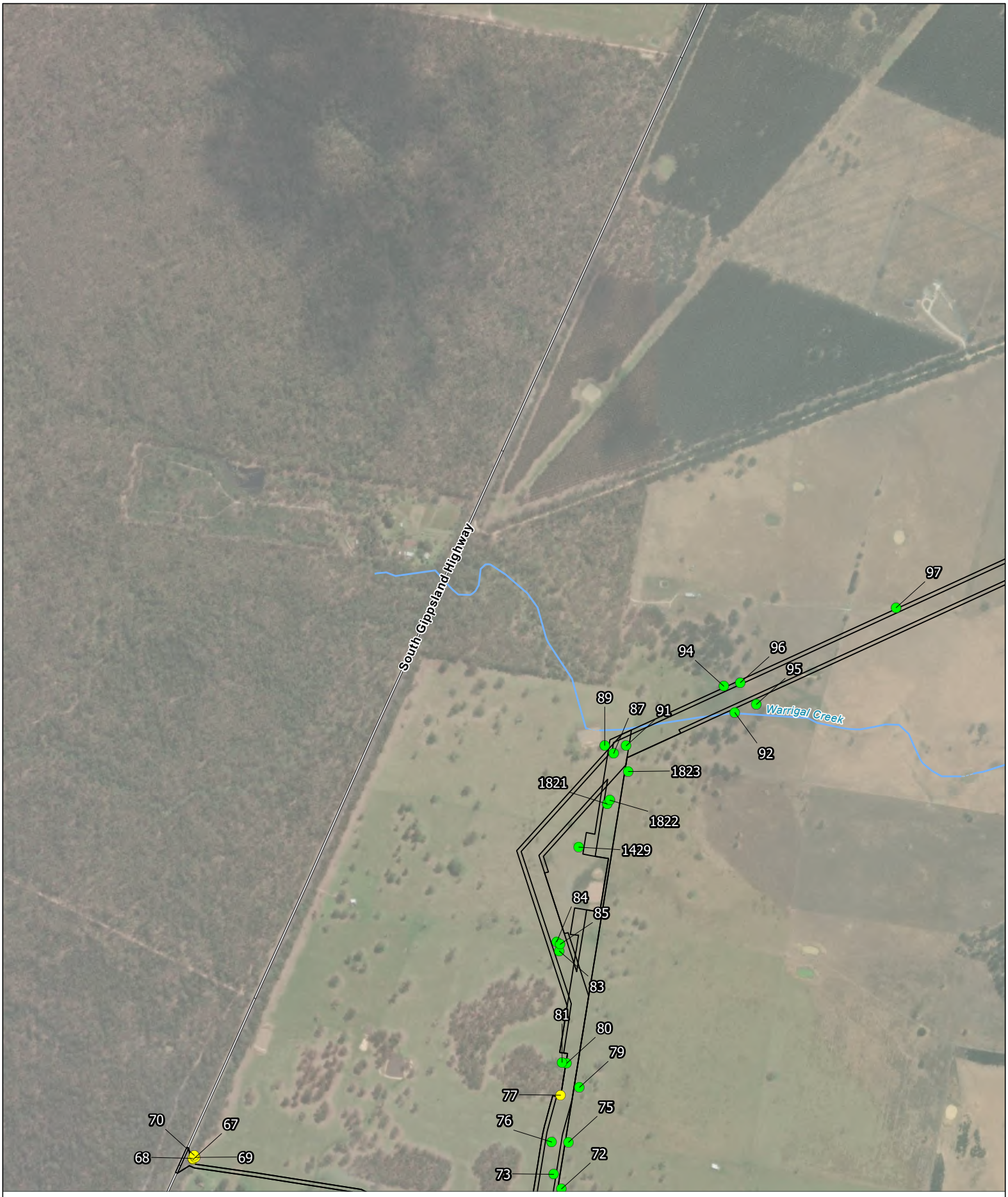


Figure 7-3_J: Existing conditions _ Large trees (Hollow)

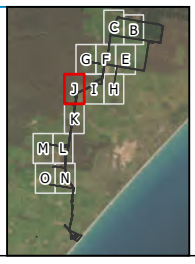
Project No: 19200_09 **Project**: SOTS **Date**: 19/06/2025

Project area

Common alignment

Large tree (hollow)

- Large Tree in Patch
- Large Scattered Tree



N

Metres

0 100 200 300 400

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Figure 7-3_K: Existing conditions _ Large trees (Hollow)

Project No: 19200_09 **Project**: SOTS **Date**: 19/06/2025

Project area

Common alignment

Large tree (hollow)

- Large Tree in Patch
- Large Scattered Tree



N

Metres

0 100 200 300 400

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Figure 7-3_L: Existing conditions _ Large trees (Hollow)

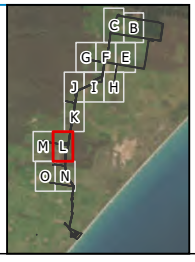
Project No: 19200_09 **Project**: SOTS **Date**: 19/06/2025

Project area

Common alignment

Large tree (hollow)

- Large Tree in Patch
- Large Scattered Tree



N

Metres

0 100 200 300 400

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Figure 7-3_M: Existing conditions _ Large trees (Hollow)

Project No: 19200_09 **Project**: SOTS **Date**: 19/06/2025

Project area

Common alignment

Large tree (hollow)

Large Tree in Patch



N

Metres

0 100 200 300 400

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Figure 7-3_N: Existing conditions _ Large trees (Hollow)

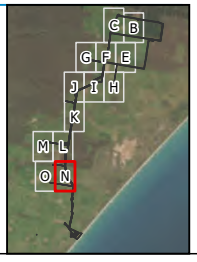
Project No: 19200_09 **Project**: SOTS **Date**: 19/06/2025

Project area

Common alignment

Large tree (hollow)

- Large Tree in Patch
- Large Scattered Tree



N

Metres

0 100 200 300 400

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Figure 7-3_O: Existing conditions _ Large trees (Hollow)

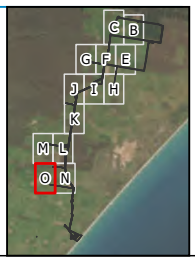
Project No: 19200_09 **Project**: SOTS **Date**: 19/06/2025

Project area

Common alignment

Large tree (hollow)

Large Tree in Patch



N

Metres

0 100 200 300 400

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Figure 8-3_A: Previous records and suitable habitat for Chestnut-rumped heathwren

Project No: 19200_09 **Project**: SOTS **Date**: 29/09/2025

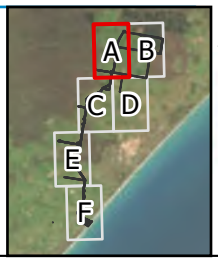
Project area

Alignment

- AB
- C
- D
- Common alignment

Potential Habitat (EVC)

- Chestnut-rumped Heathwren



N

Meters

0 200 400 600 800

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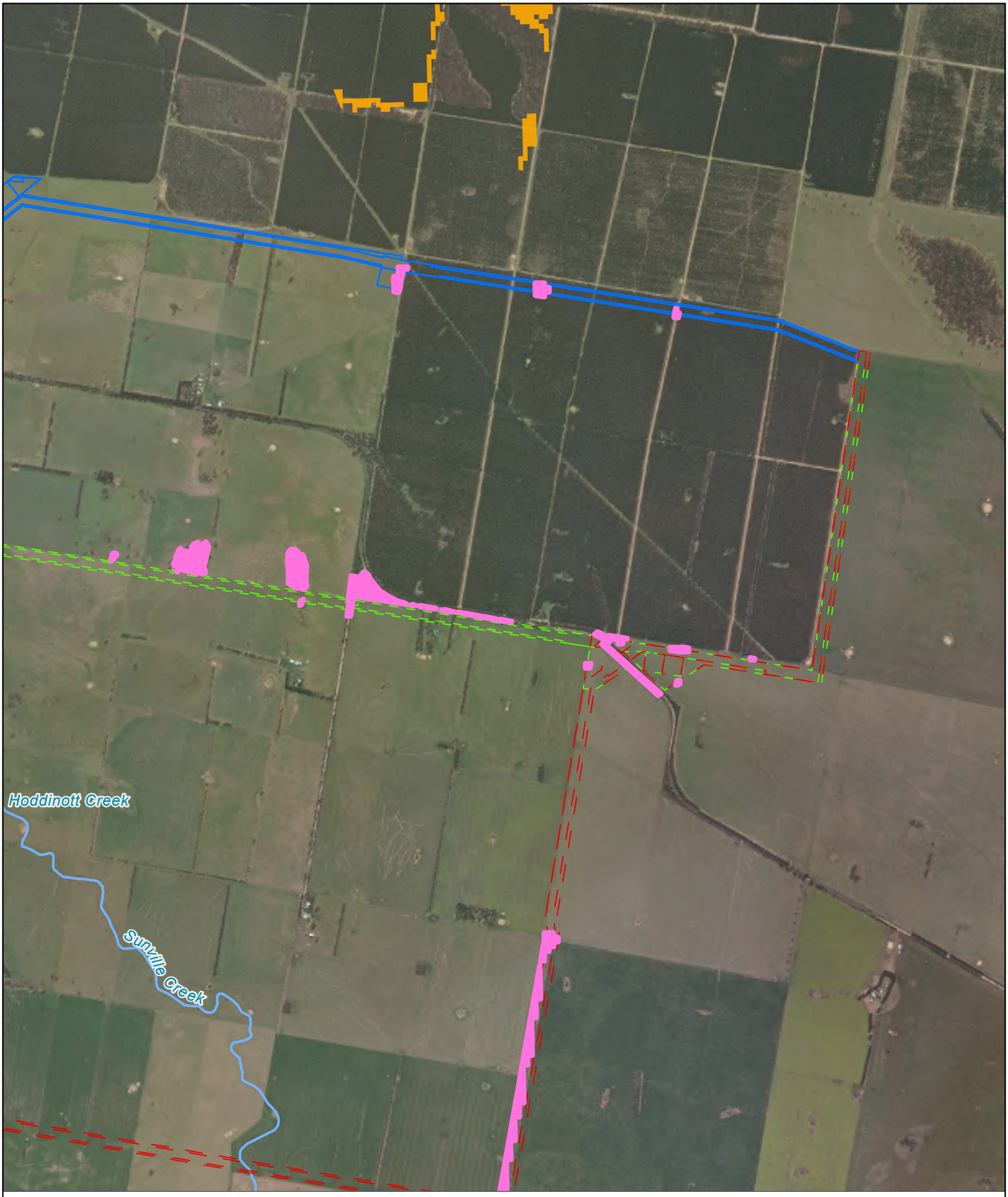


Figure 8-3_B: Previous records and suitable habitat for Chestnut-rumped heathwren

Project No: 19200_09 **Project**: SOTS **Date**: 29/09/2025

Project area

Alignment

AB

C

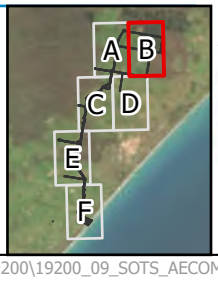
D

Modelled Habitat

Chestnut-rumped Heathwren

Potential Habitat (EVC)

Chestnut-rumped Heathwren



N

Meters

0 200 400 600 800

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Figure 8-3_C: Previous records and suitable habitat for Chestnut-rumped heathwren

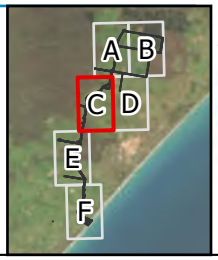
Project No: 19200_09 **Project**: SOTS **Date**: 29/09/2025

Project area

Common alignment

Potential Habitat (EVC)

Chestnut-rumped Heathwren



N

Meters

0 200 400 600 800

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Figure 8-3_D: Previous records and suitable habitat for Chestnut-rumped heathwren

Project No: 19200_09 **Project**: SOTS **Date**: 29/09/2025

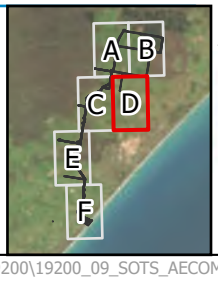
Project area

Alignment

- AB
- C
- D
- Common alignment

Potential Habitat (EVC)

- Chestnut-rumped Heathwren



N

Meters

0 200 400 600 800

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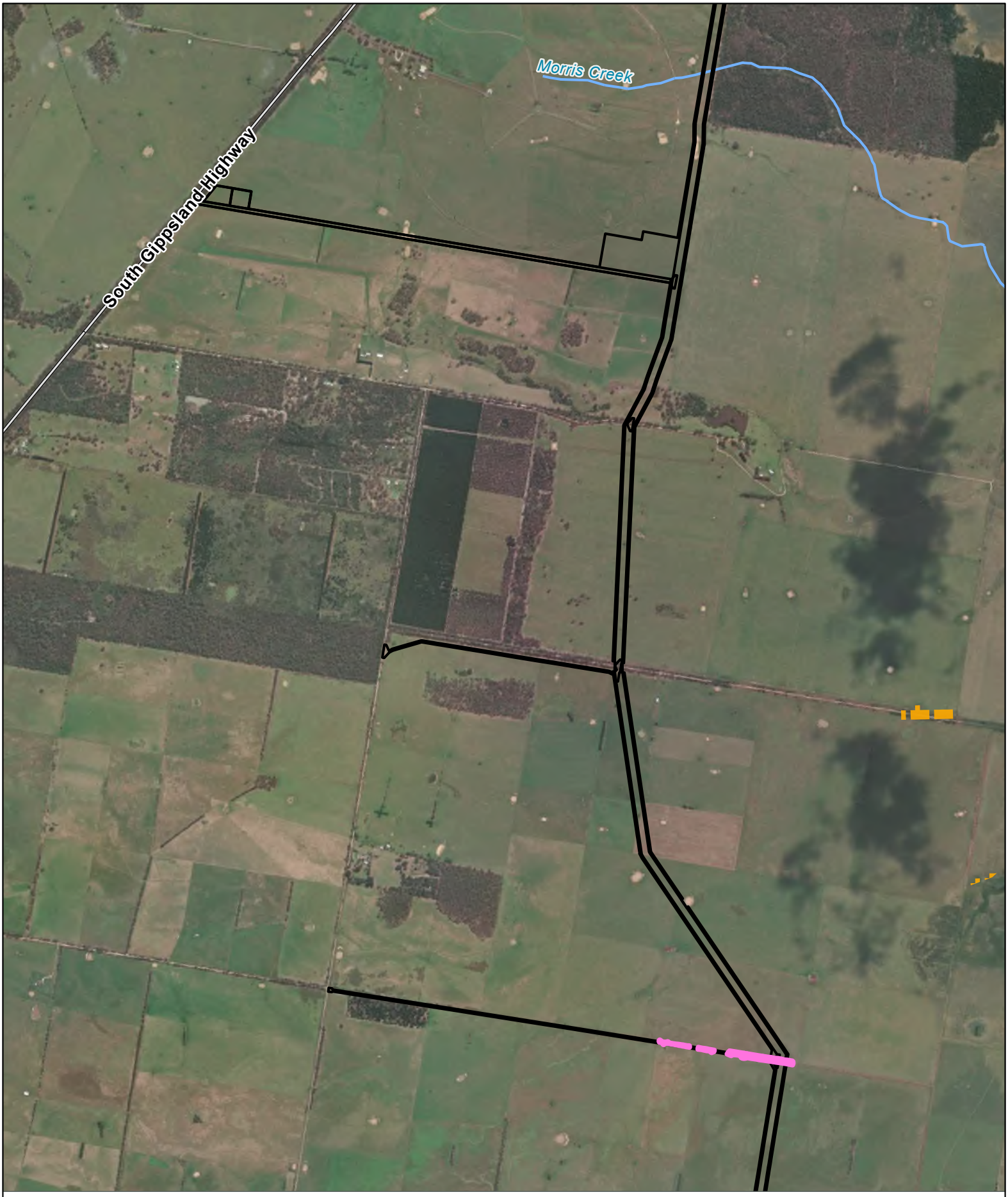


Figure 8-3_E: Previous records and suitable habitat for Chestnut-rumped heathwren

Project No: 19200_09 **Project**: SOTS **Date**: 29/09/2025

Project area

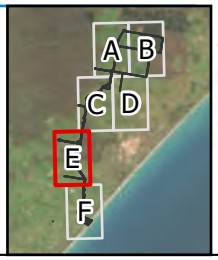
Common alignment

Modelled Habitat

Chestnut-rumped Heathwren

Potential Habitat (EVC)

Chestnut-rumped Heathwren



N

Meters

0 200 400 600 800

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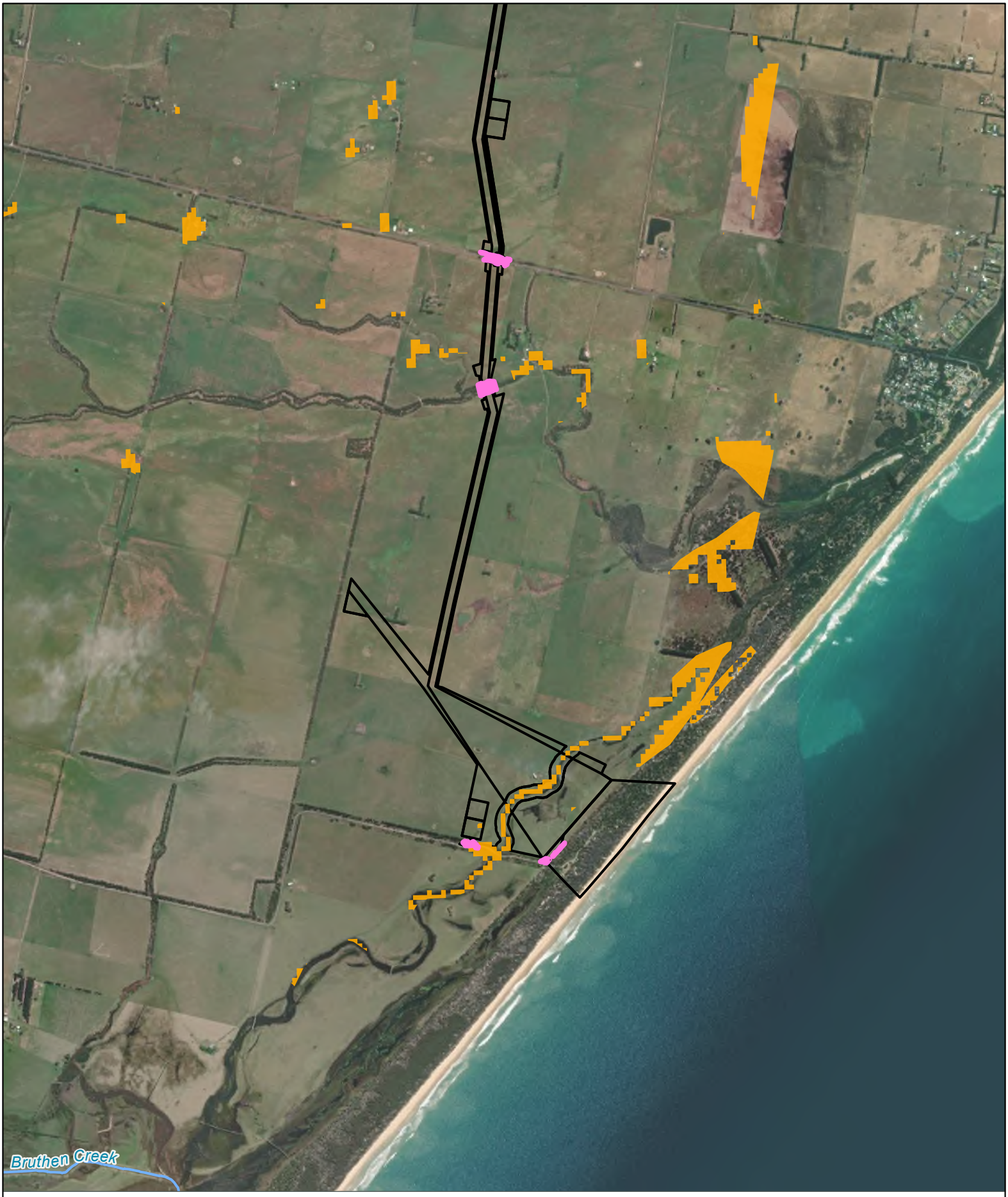


Figure 8-3_F: Previous records and suitable habitat for Chestnut-rumped heathwren

Project No: 19200_09 **Project**: SOTS **Date**: 29/09/2025

Project area

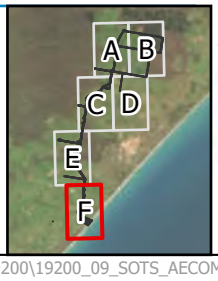
Common alignment

Modelled Habitat

Chestnut-rumped Heathwren

Potential Habitat (EVC)

Chestnut-rumped Heathwren



N

Meters

0 200 400 600 800

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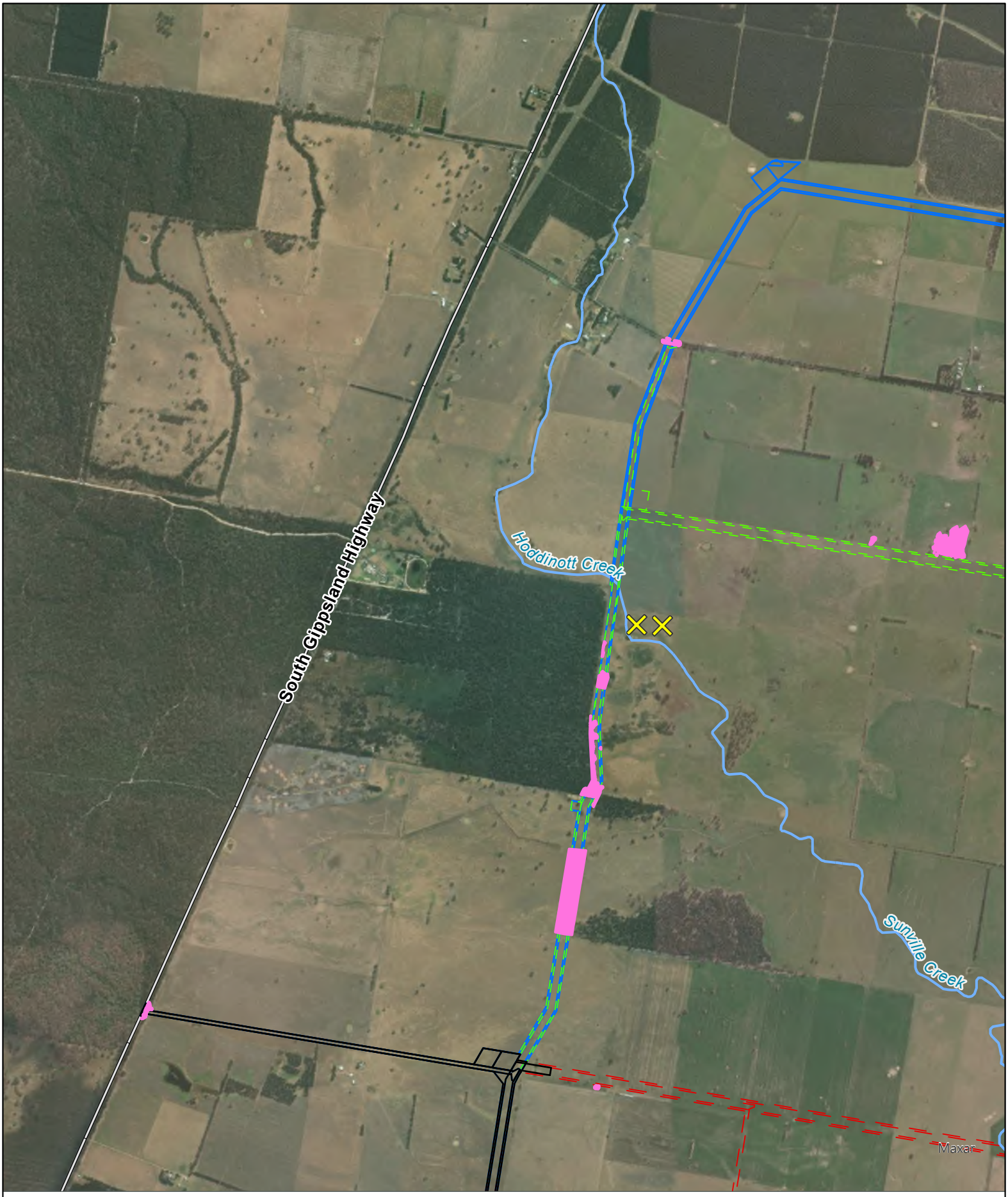


Figure 8-4_A: Previous records and suitable habitat for Gang-gang Cockatoo

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 29/09/2025

Project area

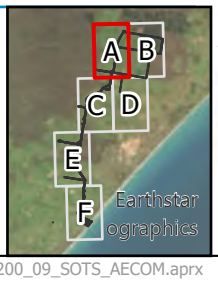
Alignment

- AB
- C
- D
- Common alignment

Potential Habitat (EVC)

- Gang-gang Cockatoo

- Hollow bearing tree



N

Meters

0 200 400 600 800

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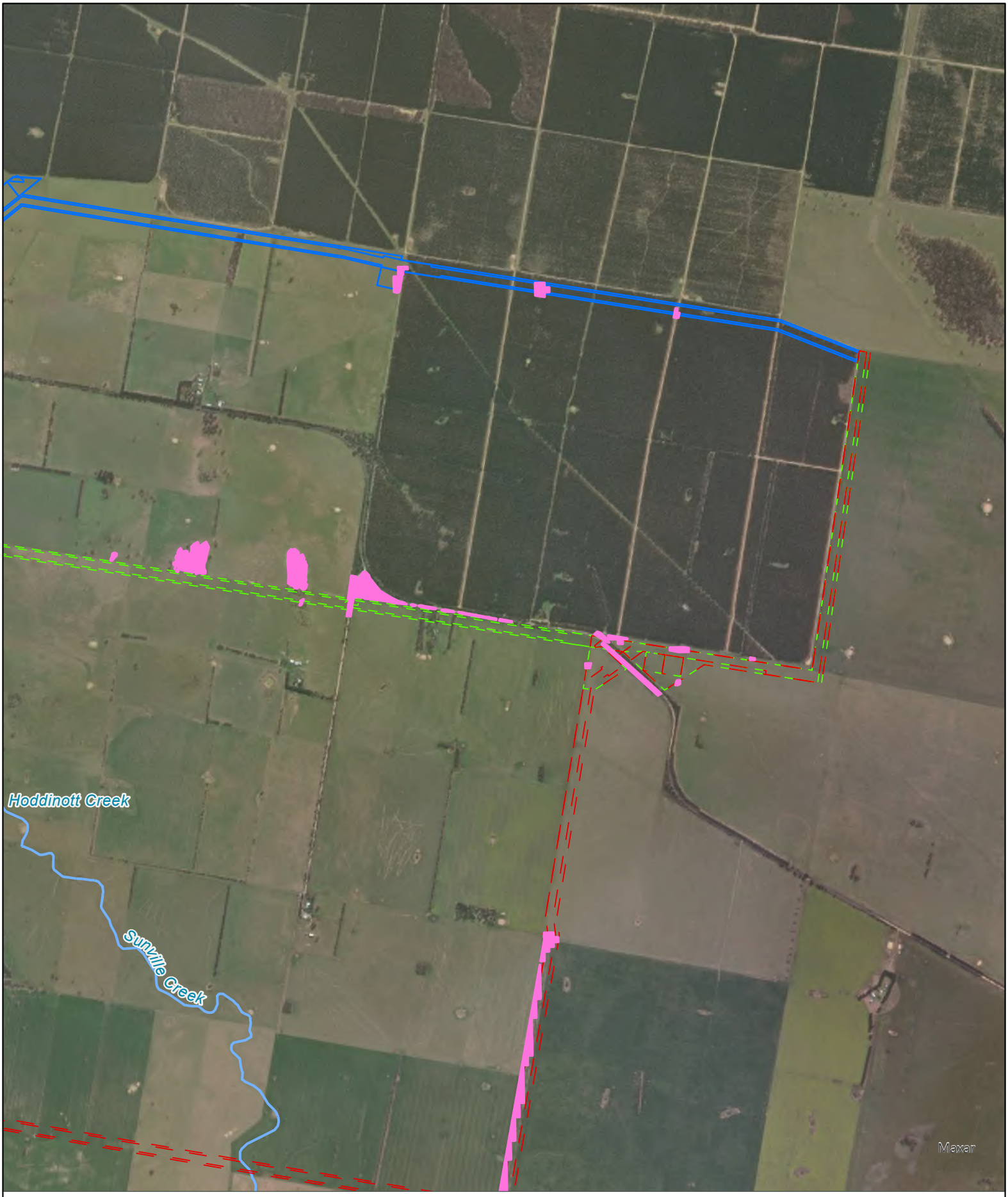


Figure 8-4_B: Previous records and suitable habitat for Gang-gang Cockatoo

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 29/09/2025

Project area

Alignment

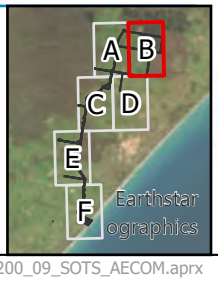
AB

C

D

Potential Habitat (EVC)

Gang-gang Cockatoo



N

Meters

0 200 400 600 800

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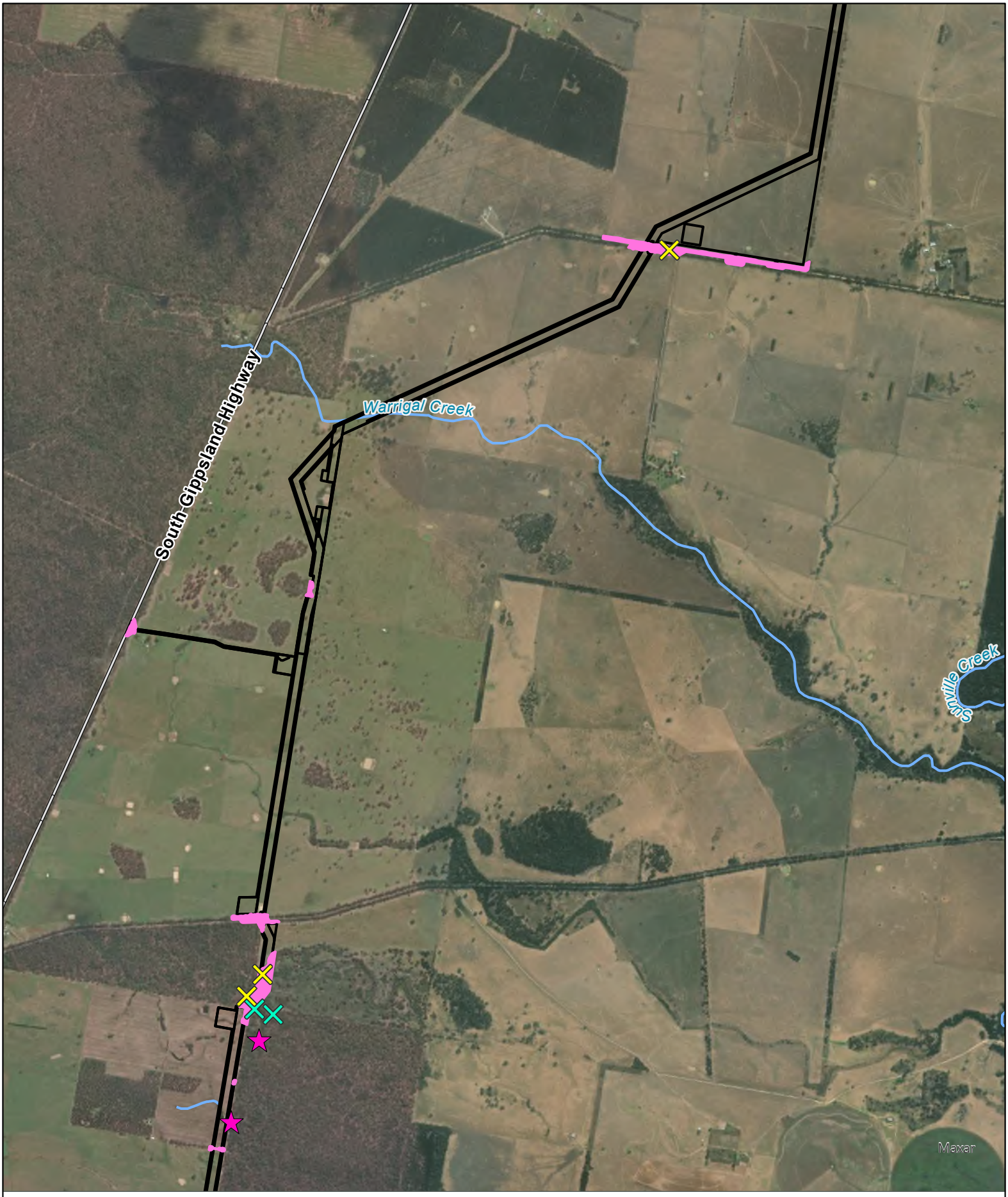


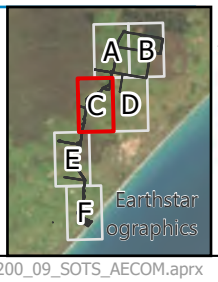
Figure 8-4_C: Previous records and suitable habitat for Gang-gang Cockatoo

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 29/09/2025

Project area
- Common alignment

Potential Habitat (EVC)
- Gang-gang Cockatoo

Survey data
- Large hollow bearing tree
- Hollow bearing tree
- Gang-gang Cockatoo



N

Meters
0 200 400 600 800
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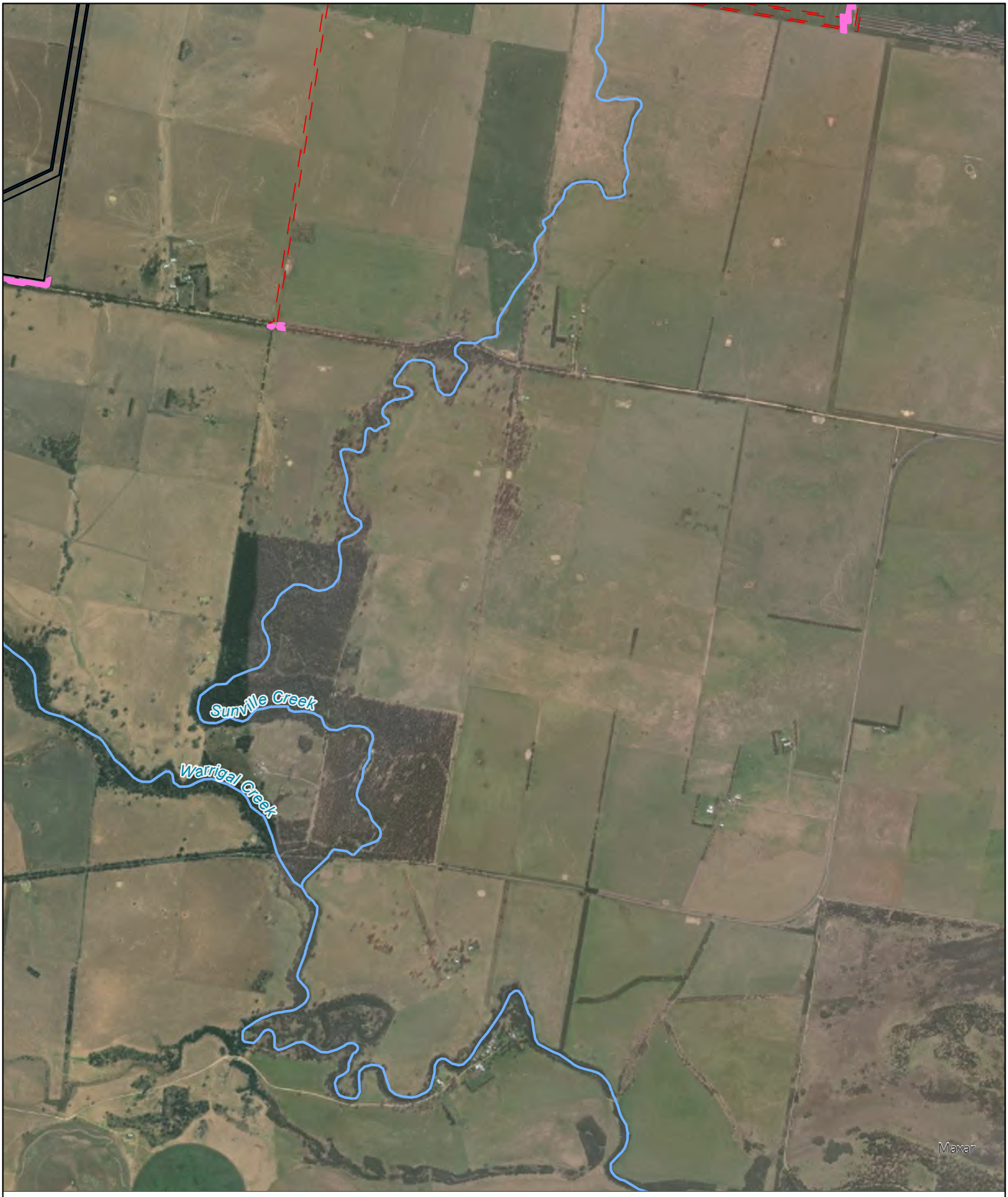


Figure 8-4_D: Previous records and suitable habitat for Gang-gang Cockatoo

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 29/09/2025

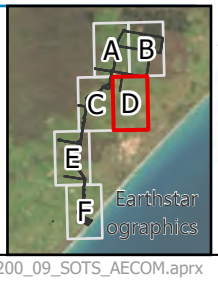
Project area

Alignment

- AB
- C
- D
- Common alignment

Potential Habitat (EVC)

- Gang-gang Cockatoo



N

Meters

0 200 400 600 800

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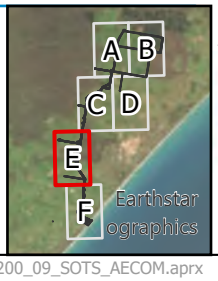
Figure 8-4_E: Previous records and suitable habitat for Gang-gang Cockatoo

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 29/09/2025

Project area
Common alignment

Potential Habitat (EVC)
Gang-gang Cockatoo

Gang-gang Cockatoo



N

Meters
0 200 400 600 800
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Figure 8-4_F: Previous records and suitable habitat for Gang-gang Cockatoo

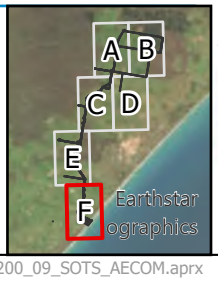
Project No: 19200_09 **Project**: SOTS, VIC **Date**: 29/09/2025

Project area

Common alignment

Potential Habitat (EVC)

Gang-gang Cockatoo



N

Meters

0 200 400 600 800

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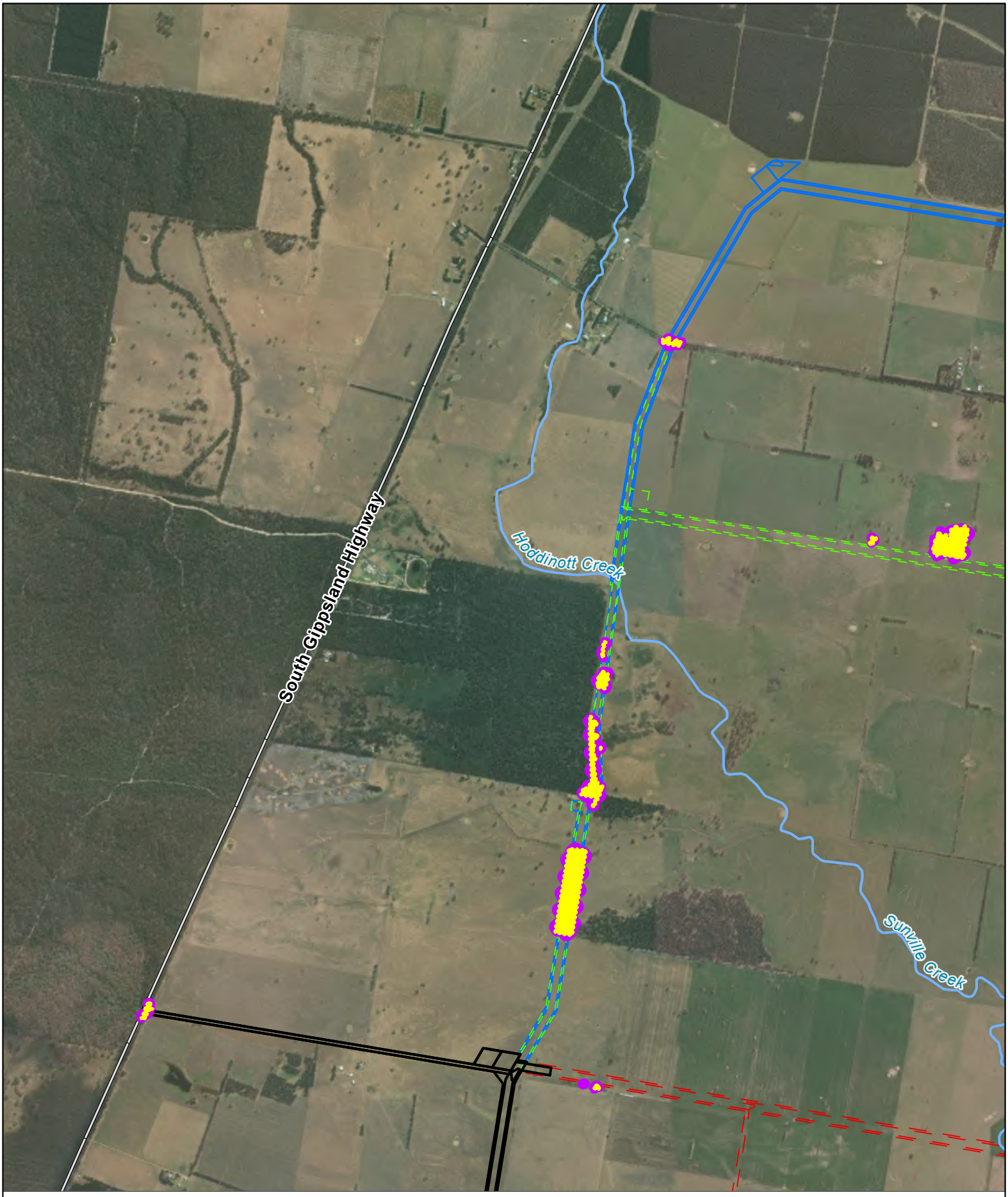


Figure 8-5_A: Previous records and suitable habitat for Blue-winged and Swift Parrot

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 29/09/2025

Project area

Common alignment

Alignment

AB

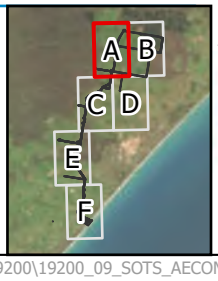
C

D

Potential Habitat (EVC)

Blue-winged Parrot

Swift Parrot



N

Meters

0 200 400 600 800

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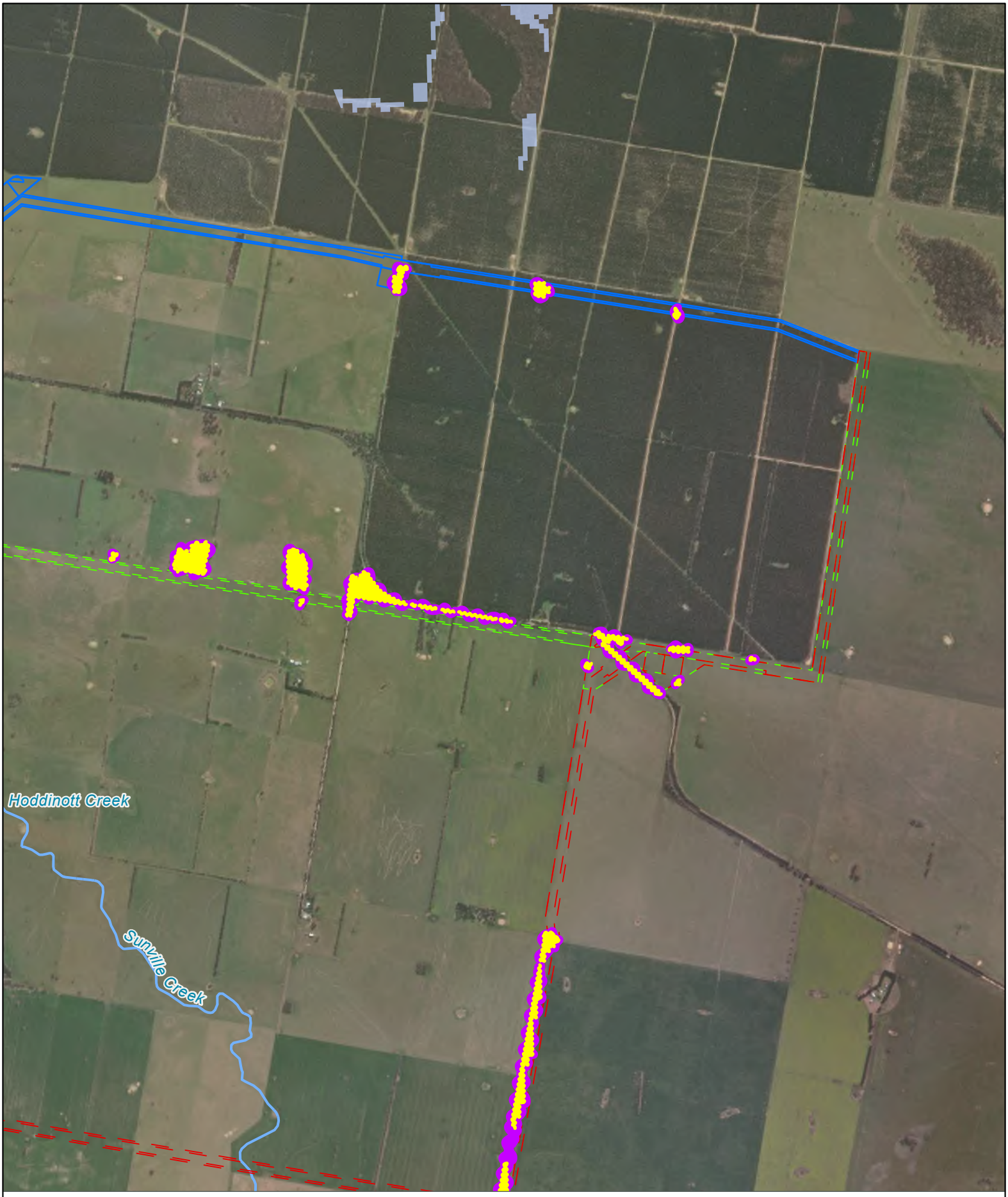


Figure 8-5_B: Previous records and suitable habitat for Blue-winged and Swift Parrot

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 29/09/2025

Project area

Common alignment

Alignment

AB

C

D

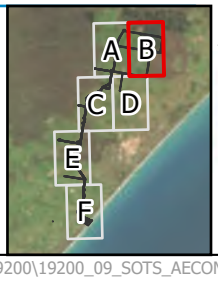
Modelled Habitat

Blue-winged and Swift Parrot

Potential Habitat (EVC)

Blue-winged Parrot

Swift Parrot



N

Meters

0 200 400 600 800

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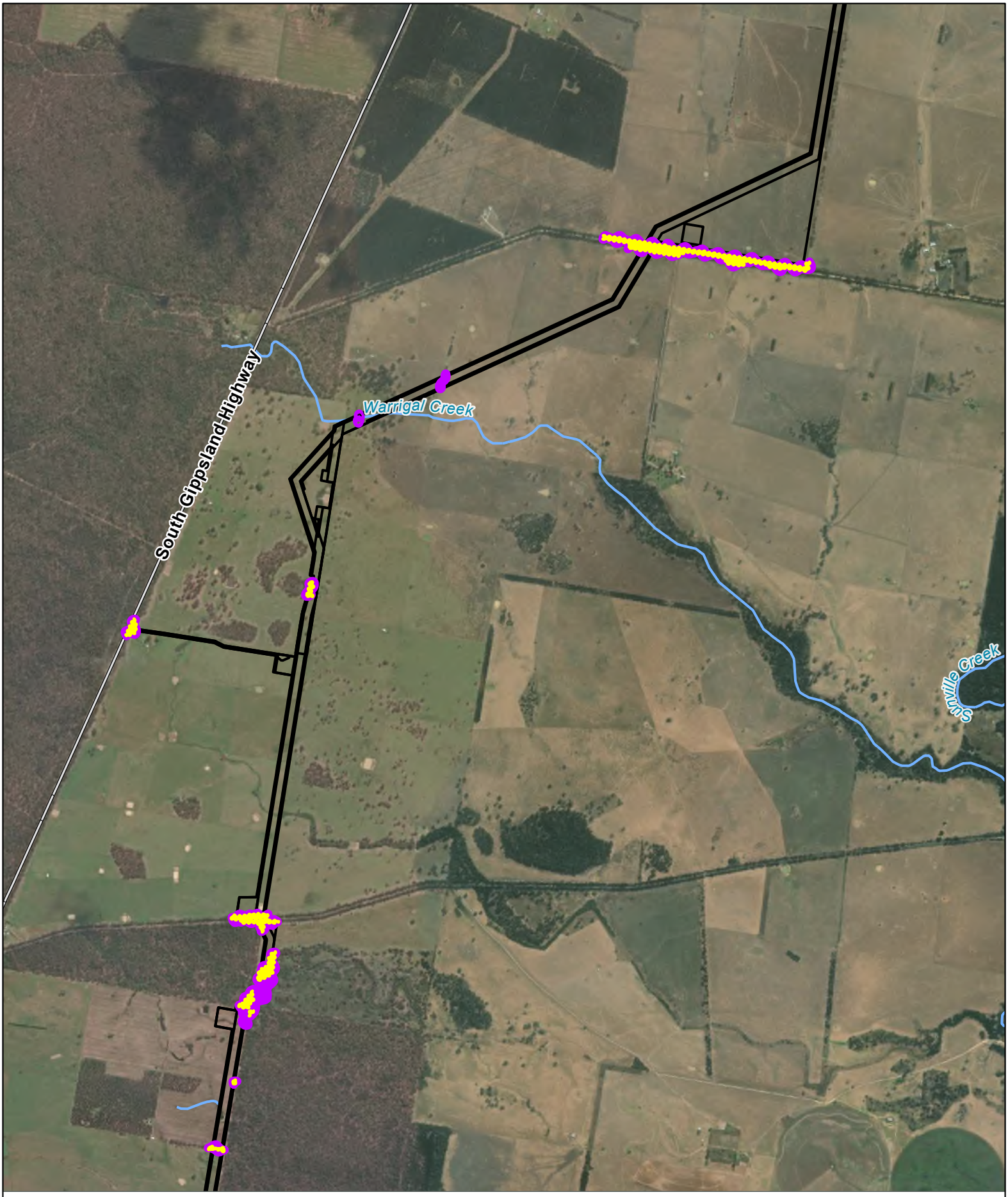


Figure 8-5_C: Previous records and suitable habitat for Blue-winged and Swift Parrot

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 29/09/2025

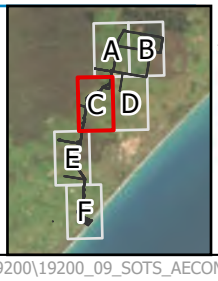
Project area

Common alignment

Potential Habitat (EVC)

Blue-winged Parrot

Swift Parrot



N

Meters

0 200 400 600 800

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Figure 8-5_D: Previous records and suitable habitat for Blue-winged and Swift Parrot

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 29/09/2025

Project area

Common alignment

Alignment

AB

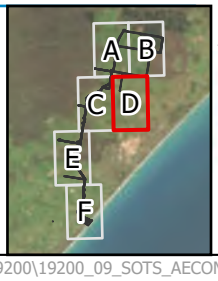
C

D

Potential Habitat (EVC)

Blue-winged Parrot

Swift Parrot



N

Meters

0 200 400 600 800

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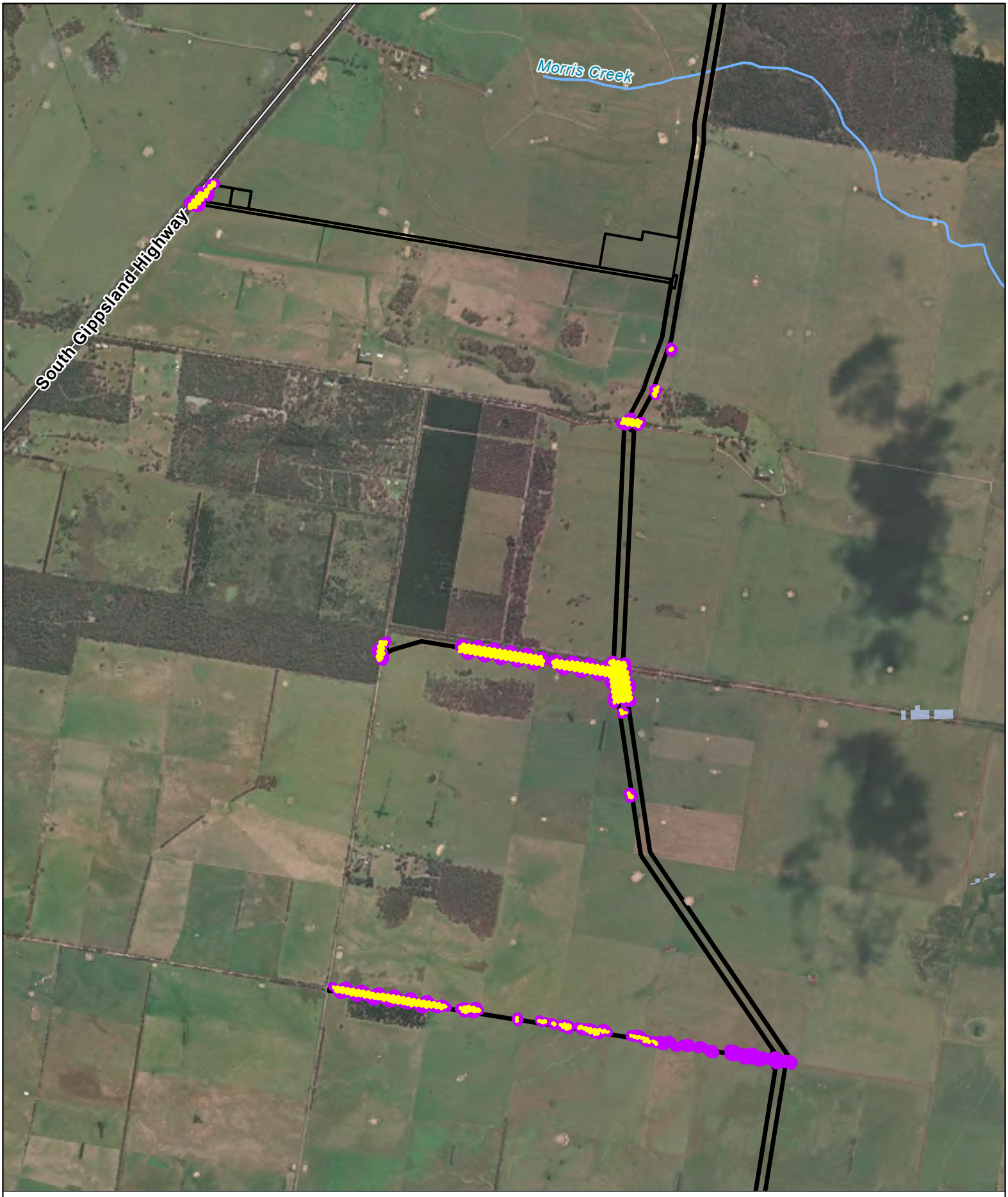


Figure 8-5_E: Previous records and suitable habitat for Blue-winged and Swift Parrot

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 29/09/2025

Project area

Common alignment

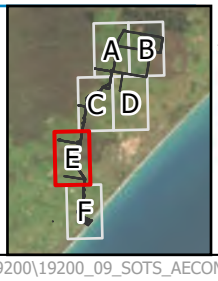
Modelled Habitat

Blue-winged and Swift Parrot

Potential Habitat (EVC)

Blue-winged Parrot

Swift Parrot



N

Meters

0 200 400 600 800

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Figure 8-5_F: Previous records and suitable habitat for Blue-winged and Swift Parrot

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 29/09/2025

Project area

Common alignment

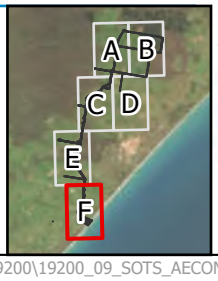
Modelled Habitat

Blue-winged and Swift Parrot

Potential Habitat (EVC)

Blue-winged Parrot

Swift Parrot



N

Meters

0 200 400 600 800

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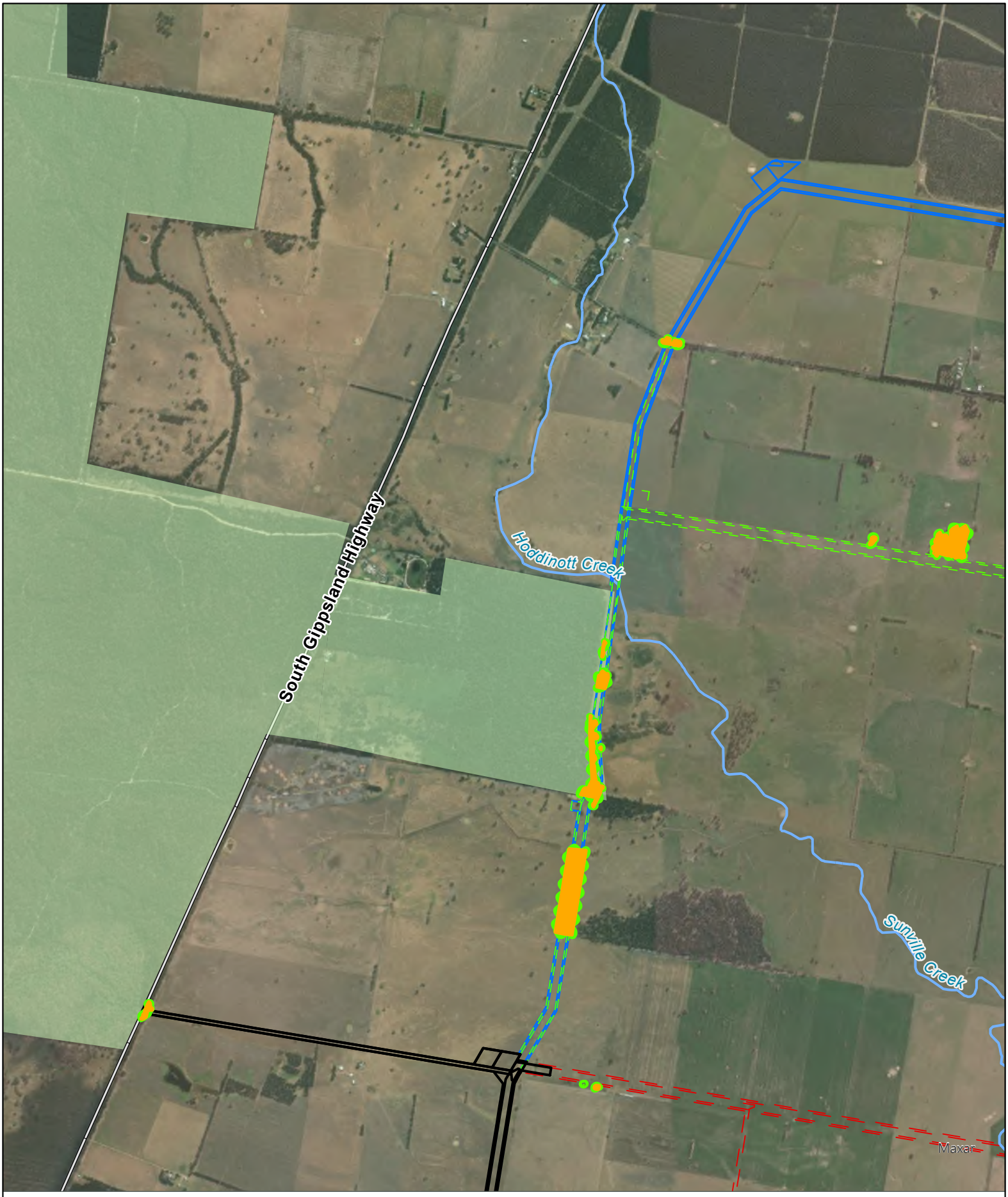


Figure 8-6_A: Previous records and suitable habitat for threatened owls

Project No: 19200_09 **Project**: SOTS **Date**: 2/10/2025

Project area

Common alignment

Alignment

AB

C

D

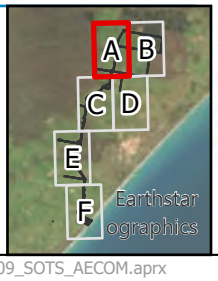
Modelled Habitat

Owl

Potential Habitat (EVC)

Powerful Owl

Barking Owl



N

Meters

0 200 400 600 800

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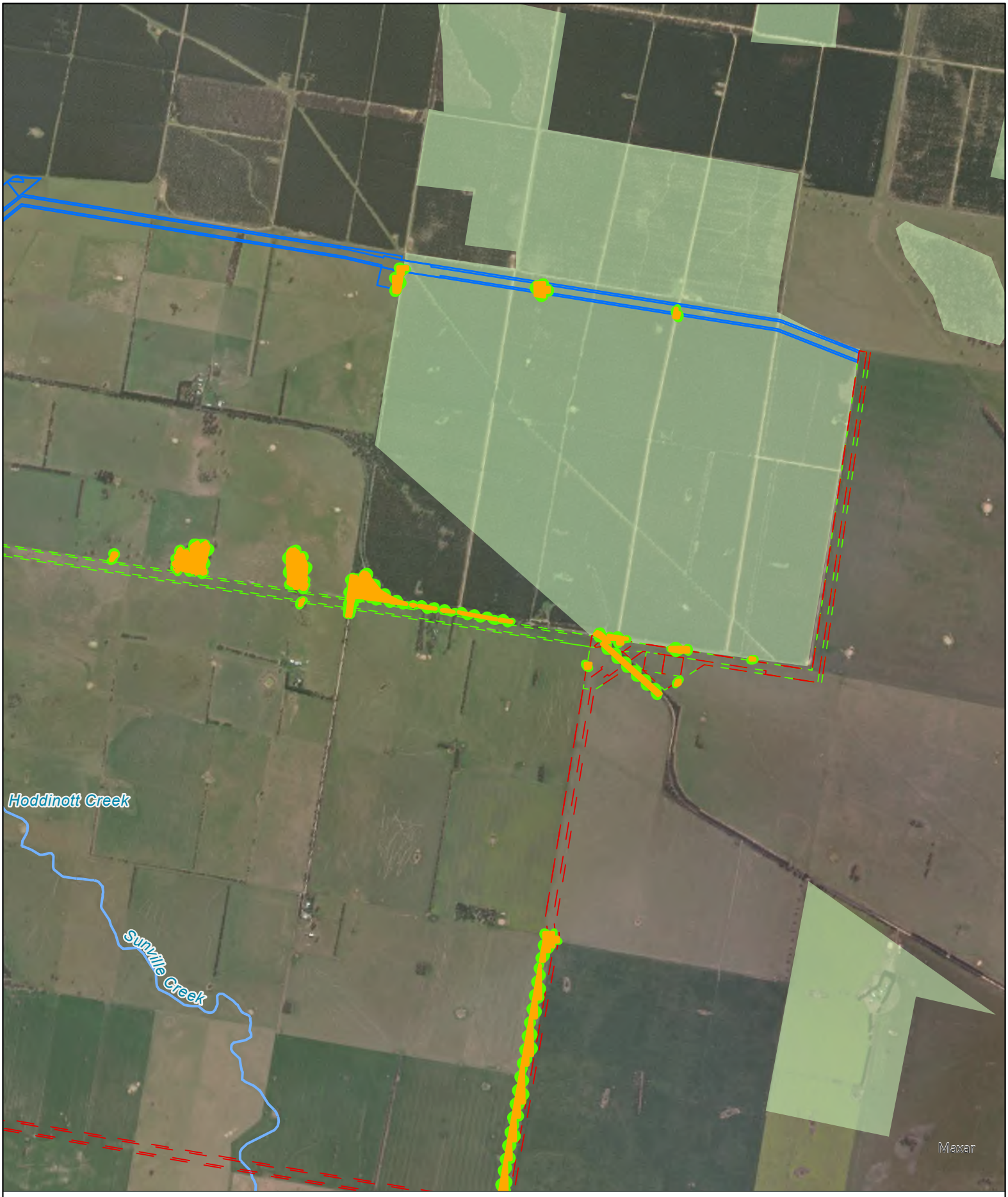


Figure 8-6_B: Previous records and suitable habitat for threatened owls

Project No: 19200_09 **Project**: SOTS **Date**: 2/10/2025

Project area

Alignment

AB

C

D

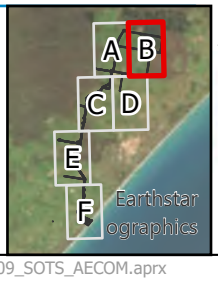
Modelled Habitat

Owl

Potential Habitat (EVC)

Powerful Owl

Barking Owl



N

Meters

0 200 400 600 800

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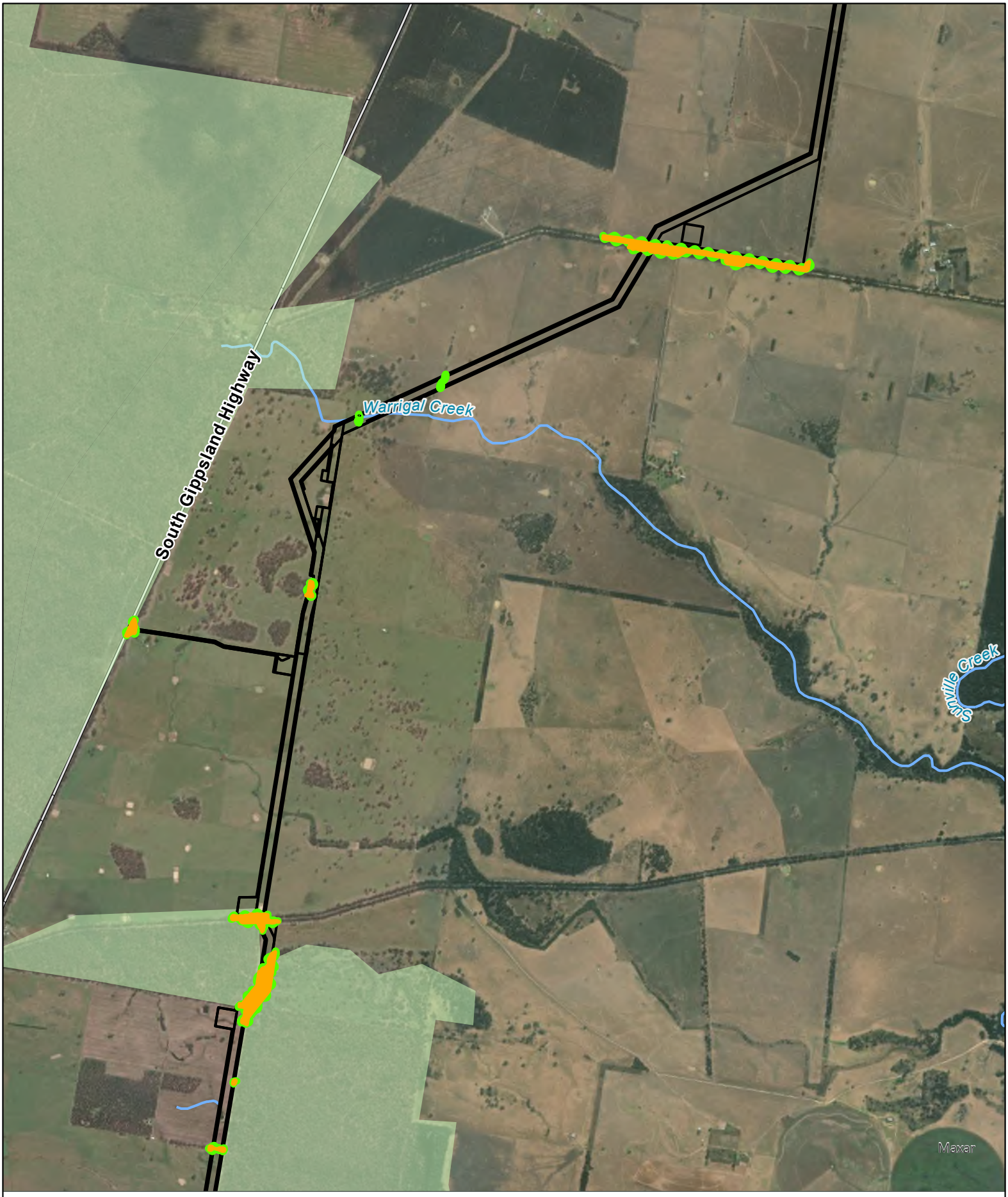


Figure 8-6_C: Previous records and suitable habitat for threatened owls

Project No: 19200_09 **Project**: SOTS **Date**: 2/10/2025

Project area

Common alignment

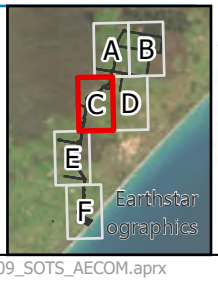
Modelled Habitat

Owl

Potential Habitat (EVC)

Powerful Owl

Barking Owl



N

Meters

0 200 400 600 800

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Figure 8-6_D: Previous records and suitable habitat for threatened owls

Project No: 19200_09 **Project**: SOTS **Date**: 2/10/2025

Project area

Common alignment

Alignment

AB

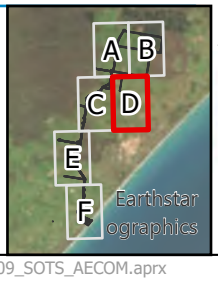
C

D

Potential Habitat (EVC)

Powerful Owl

Barking Owl



N

Meters

0 200 400 600 800

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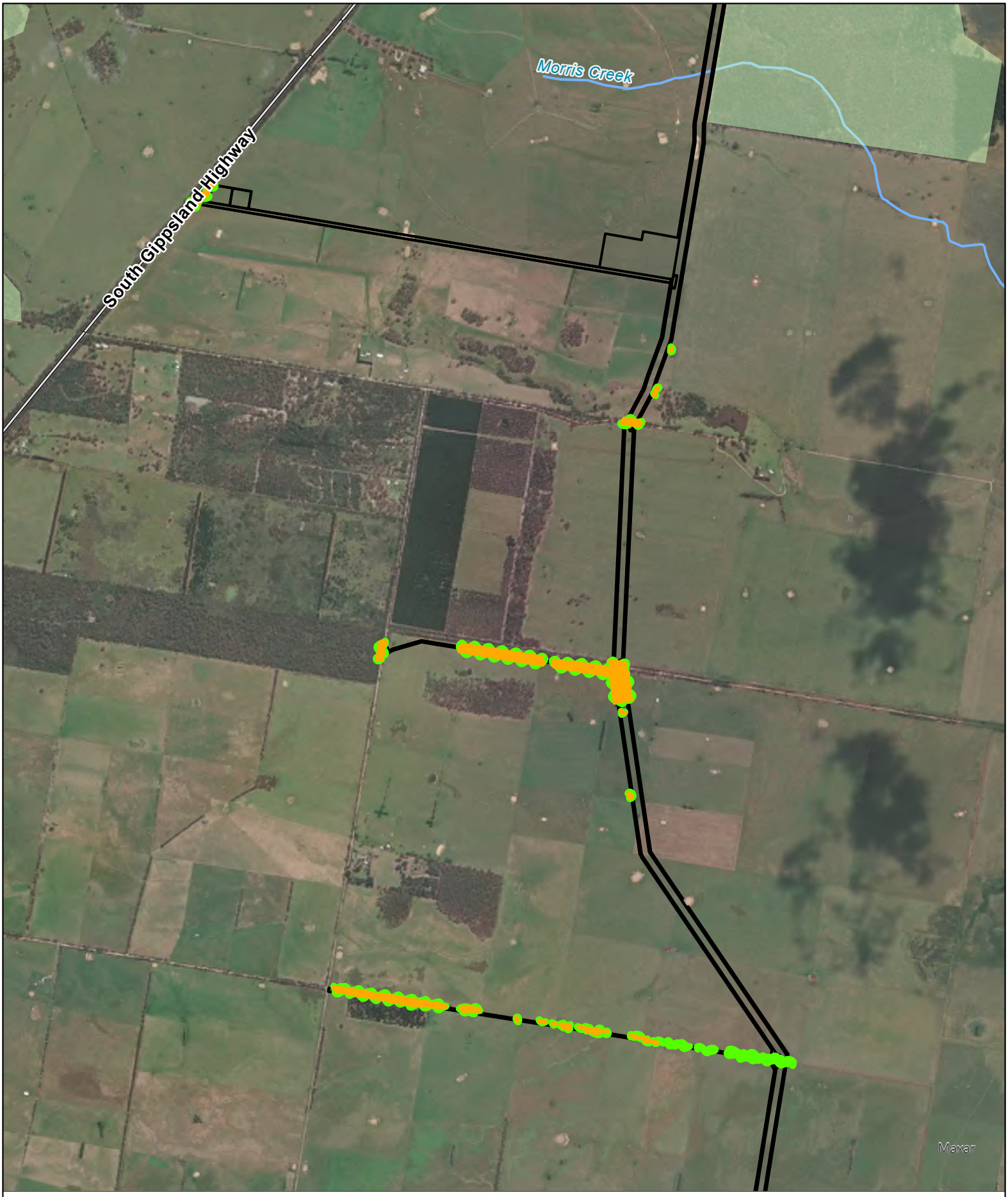


Figure 8-6_E: Previous records and suitable habitat for threatened owls

Project No: 19200_09 **Project**: SOTS **Date**: 2/10/2025

Project area

Common alignment

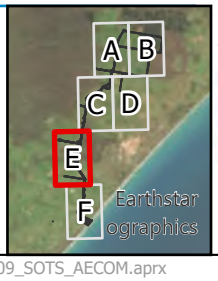
Modelled Habitat

Owl

Potential Habitat (EVC)

Powerful Owl

Barking Owl



N

Meters

0 200 400 600 800

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Figure 8-6_F: Previous records and suitable habitat for threatened owls

Project No: 19200_09 **Project**: SOTS **Date**: 2/10/2025

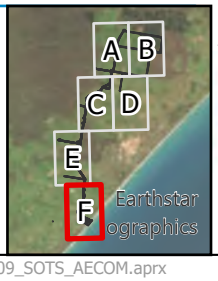
Project area

Common alignment

Potential Habitat (EVC)

Powerful Owl

Barking Owl



N

Meters

0 200 400 600 800

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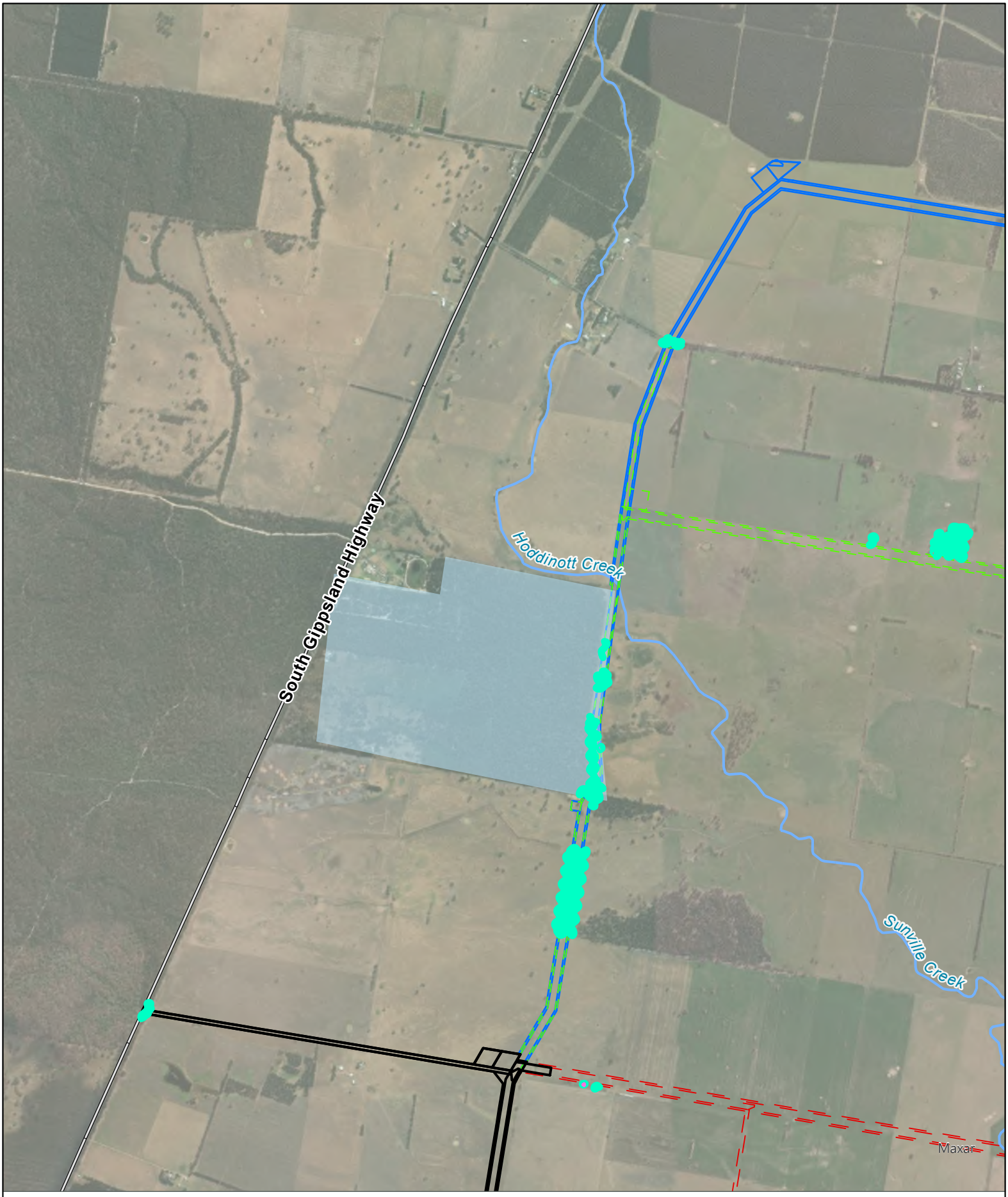


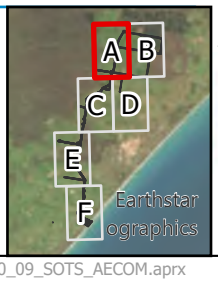
Figure 8-7_A: Previous records and suitable habitat for threatened raptors

Project No: 19200_09 **Project**: SOTS **Date**: 2/10/2025

Alignment
- AB
- C
- D
- Common alignment

Modelled Habitat
- Little Eagle

Potential Habitat (EVC)
- White-bellied Sea-eagle
- Little Eagle



N

Meters
0 200 400 600 800
GDA2020 MGA Zone 55

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Figure 8-7_B: Previous records and suitable habitat for threatened raptors

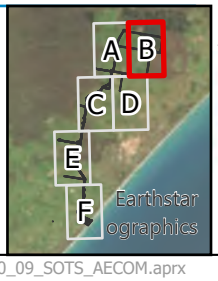
Project No: 19200_09 **Project**: SOTS **Date**: 2/10/2025

Alignment

- AB
- C
- D

Potential Habitat (EVC)

- White-bellied Sea-eagle
- Little Eagle



N

Meters

0 200 400 600 800

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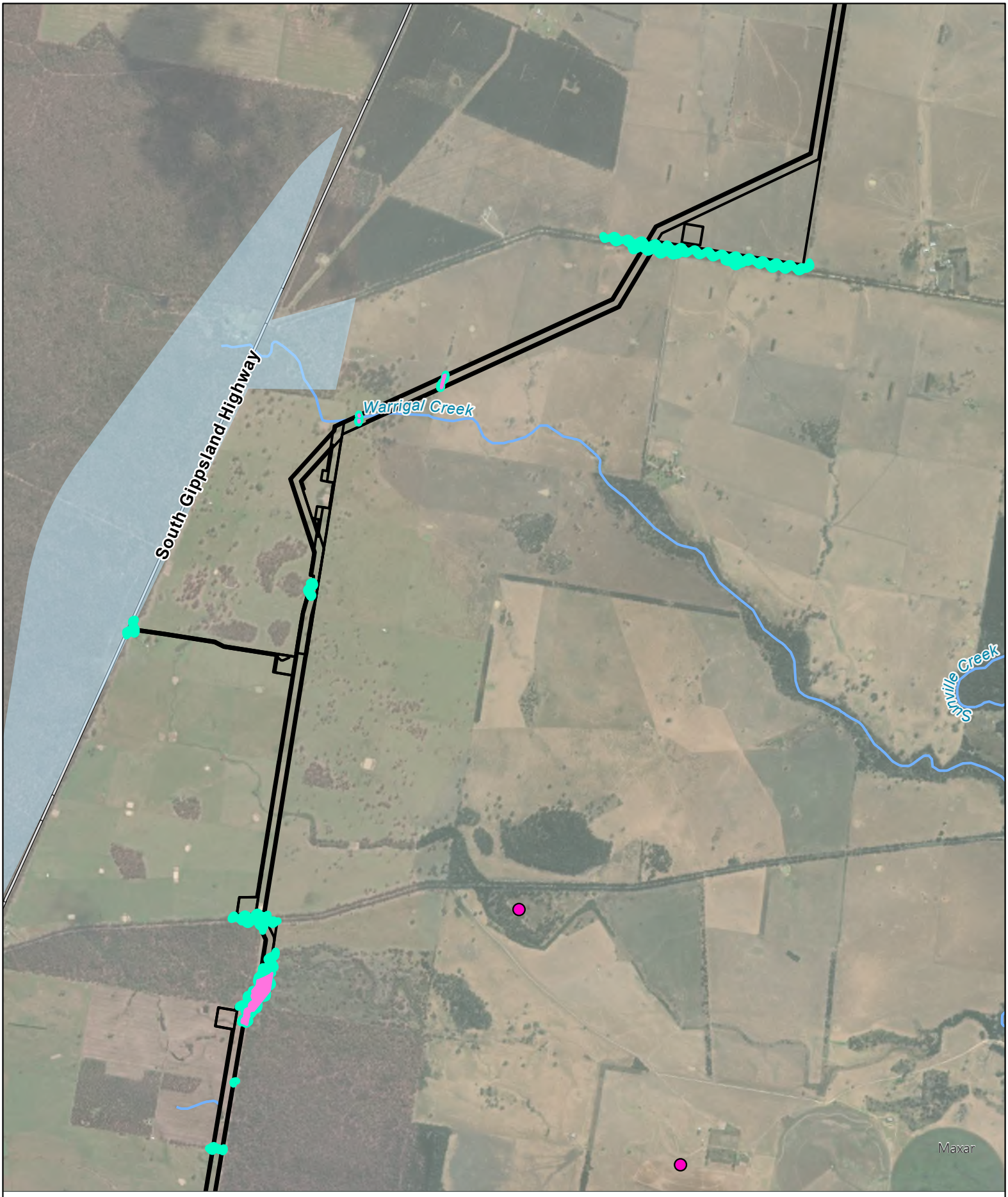


Figure 8-7_C: Previous records and suitable habitat for threatened raptors

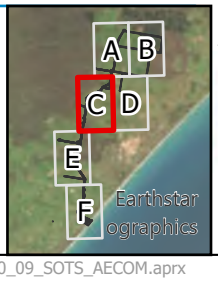
Project No: 19200_09 **Project**: SOTS **Date**: 2/10/2025

Alignment
- AB
- C
- D
- Common alignment

Modelled Habitat
- Little Eagle

Potential Habitat (EVC)
- White-bellied Sea-eagle
- Little Eagle

VBA records
- White-bellied Sea-eagle



N

Meters
0 200 400 600 800
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Figure 8-7_D: Previous records and suitable habitat for threatened raptors

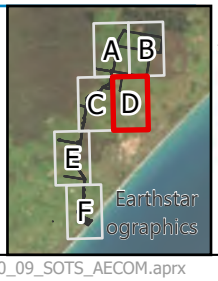
Project No: 19200_09 **Project**: SOTS **Date**: 2/10/2025

Alignment

- AB
- C
- D
- Common alignment

Potential Habitat (EVC)

- White-bellied Sea-eagle
- Little Eagle



N

Meters

0 200 400 600 800

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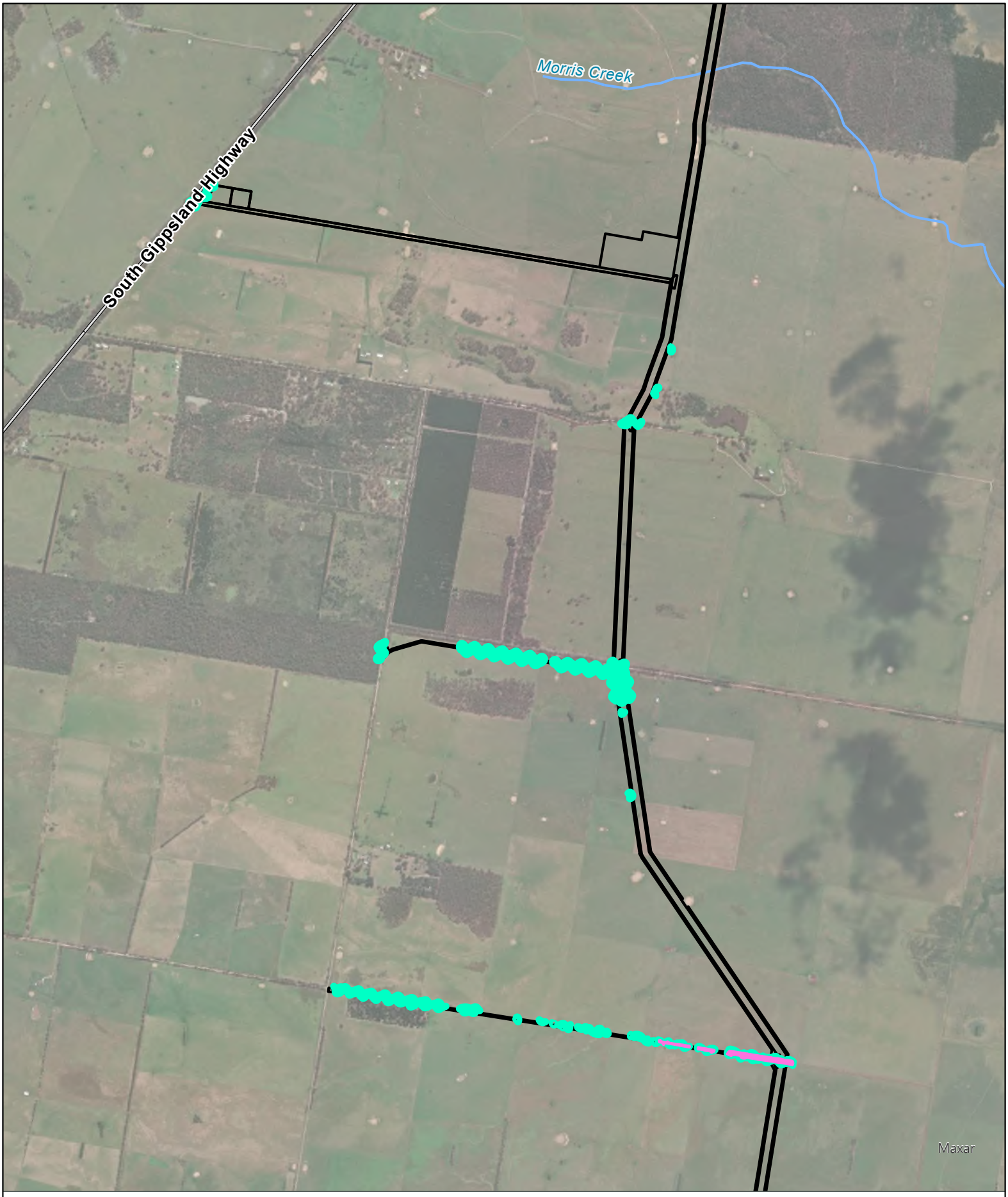


Figure 8-7_E: Previous records and suitable habitat for threatened raptors

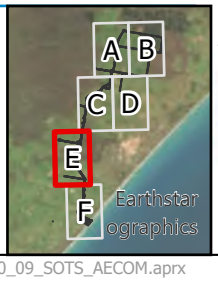
Project No: 19200_09 **Project**: SOTS **Date**: 2/10/2025

Alignment

- AB
- C
- D
- Common alignment

Potential Habitat (EVC)

- White-bellied Sea-eagle
- Little Eagle



N

Meters

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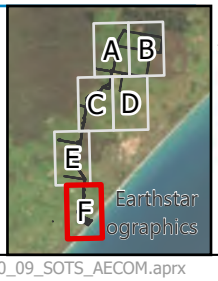
Figure 8-7_F: Previous records and suitable habitat for threatened raptors

Project No: 19200_09 **Project**: SOTS **Date**: 2/10/2025

Alignment
- AB
- C
- D
- Common alignment

Modelled Habitat
- White-bellied Sea-eagle

Potential Habitat (EVC)
- White-bellied Sea-eagle
- Little Eagle



N

Meters
0 200 400 600 800

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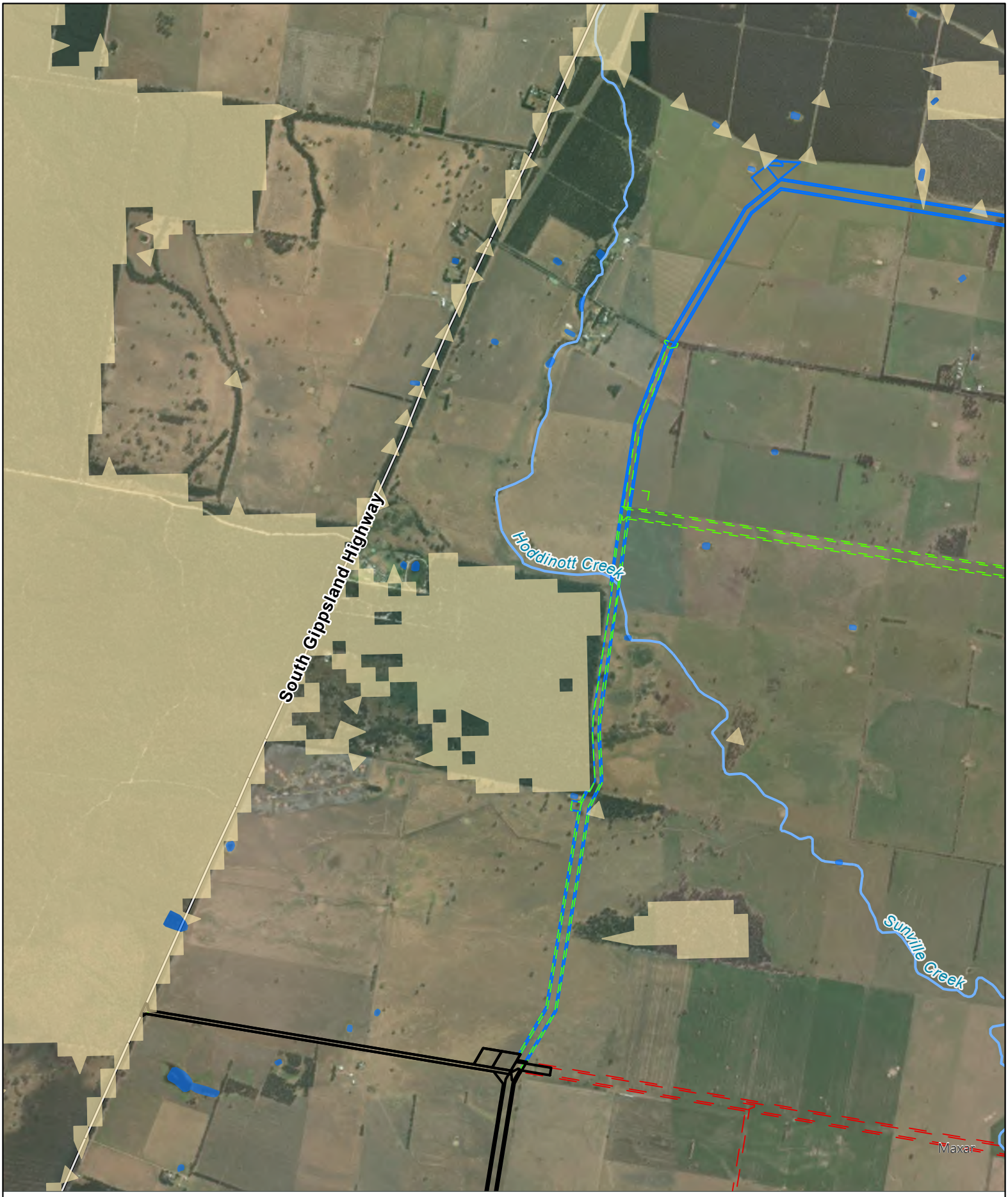


Figure 8-8_A: Previous records and suitable habitat for threatened migratory birds

Project No: 19200_09 **Project**: SOTS **Date**: 2/10/2025

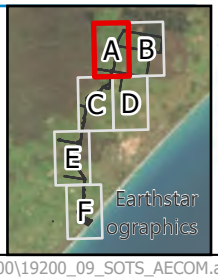
Project area

Alignment

- AB
- C
- D
- Common alignment

Modelled Habitat

- Latham's Snipe
- White-throated Needletail



N

Meters

0 200 400 600 800

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Figure 8-8_B: Previous records and suitable habitat for threatened migratory birds

Project No: 19200_09 **Project**: SOTS **Date**: 2/10/2025

Project area

Alignment

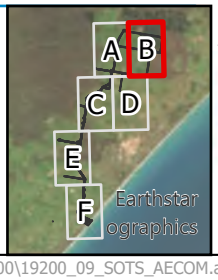
- AB
- C
- D

Modelled Habitat

- Latham's Snipe
- White-throated Needletail

VBA records

- White-throated Needletail



N

Meters

0 200 400 600 800

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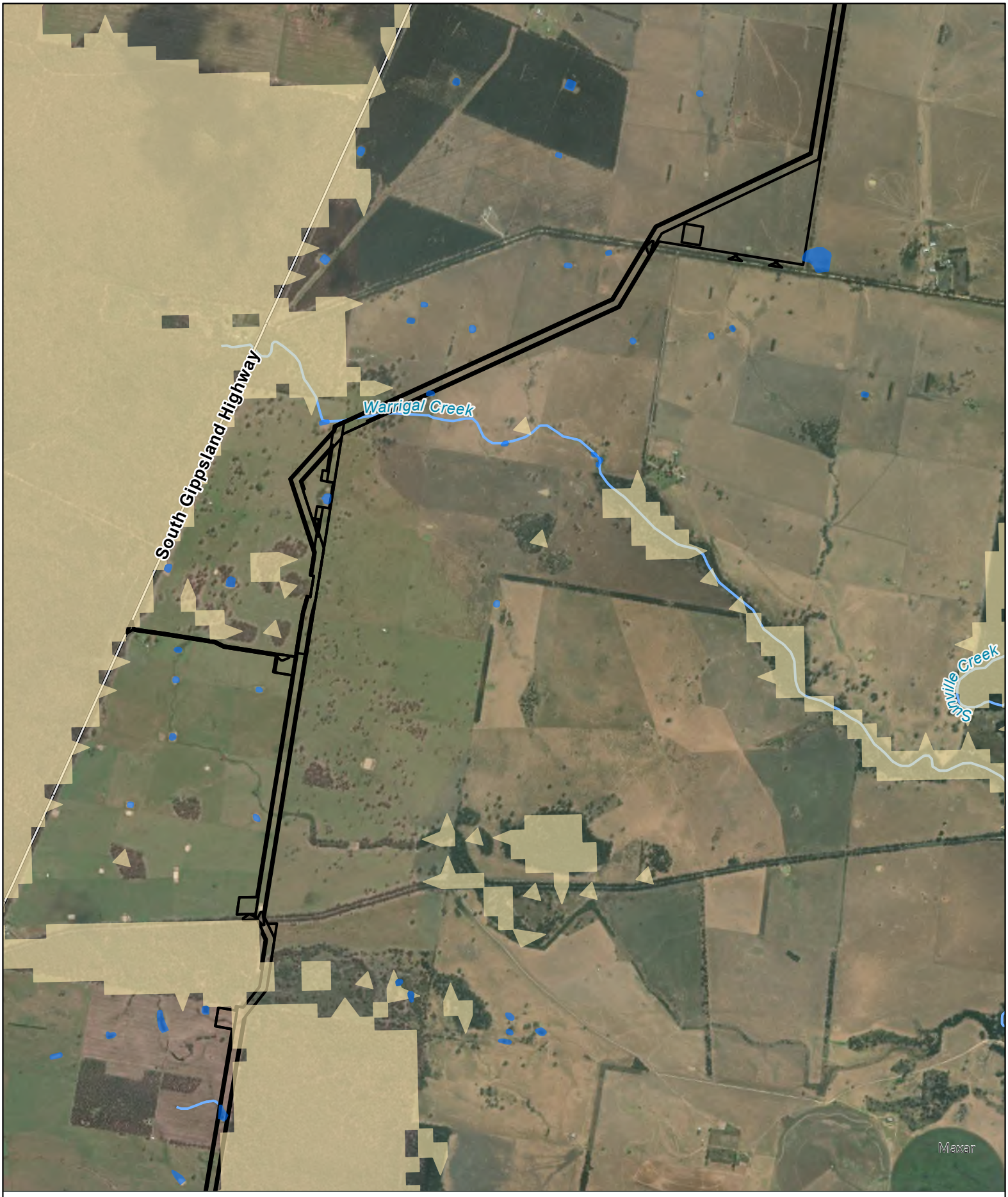


Figure 8-8_C: Previous records and suitable habitat for threatened migratory birds

Project No: 19200_09 **Project**: SOTS **Date**: 2/10/2025

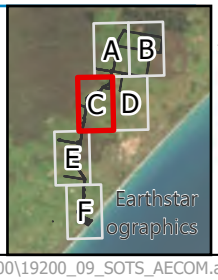
Project area

Common alignment

Modelled Habitat

Latham's Snipe

White-throated Needletail



N

Meters

0 200 400 600 800

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Figure 8-8_D: Previous records and suitable habitat for threatened migratory birds

Project No: 19200_09 **Project**: SOTS **Date**: 2/10/2025

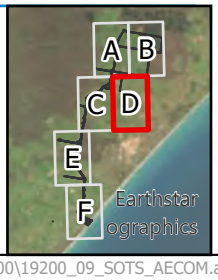
Project area

Alignment

- AB
- C
- D
- Common alignment

Modelled Habitat

- Latham's Snipe
- White-throated Needletail



N

Meters

0 200 400 600 800

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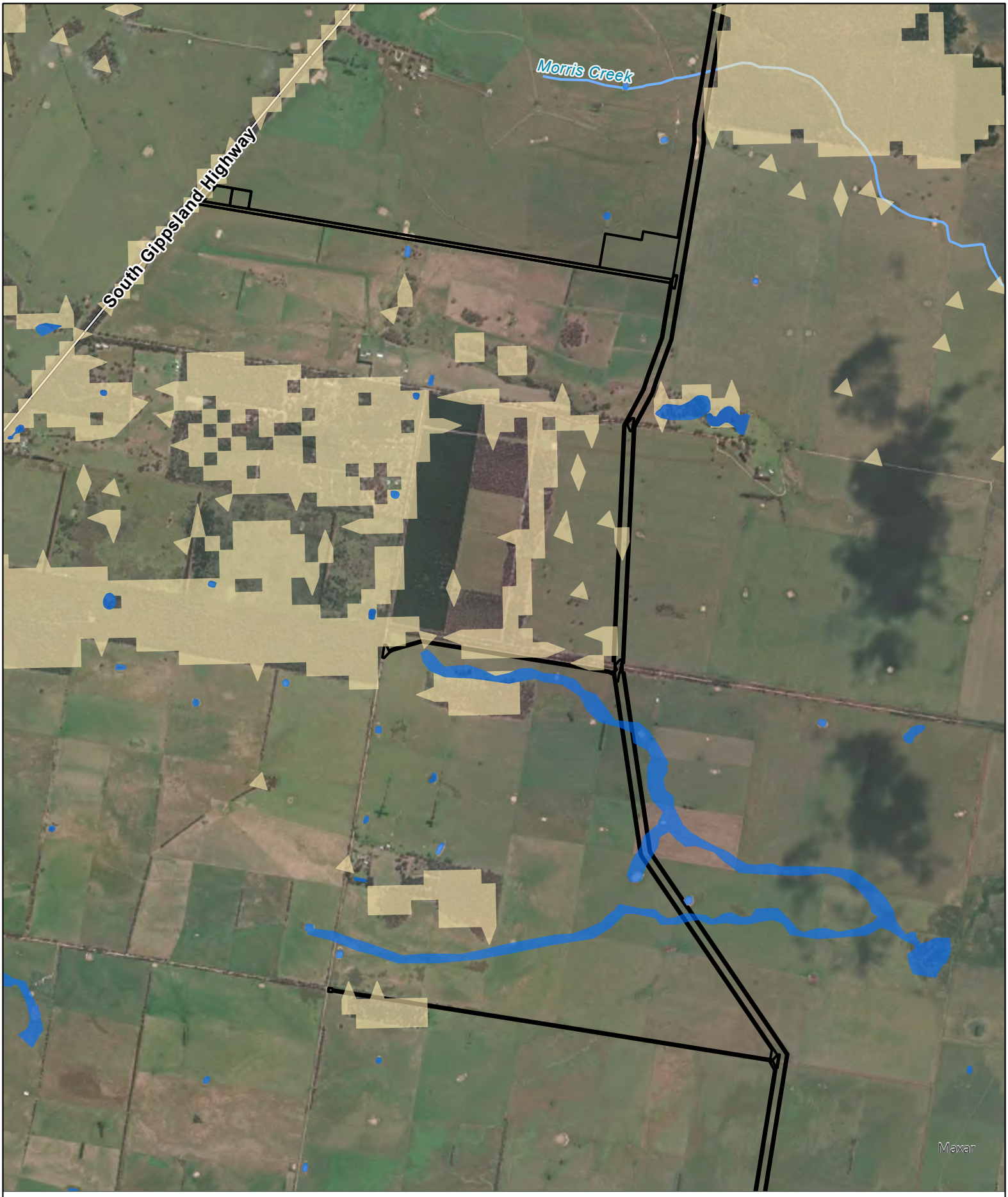


Figure 8-8_E: Previous records and suitable habitat for threatened migratory birds

Project No: 19200_09 **Project**: SOTS **Date**: 2/10/2025

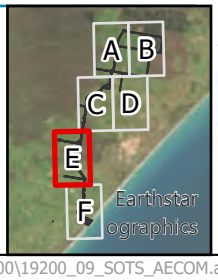
Project area

Common alignment

Modelled Habitat

Latham's Snipe

White-throated Needletail



N

Meters

0 200 400 600 800

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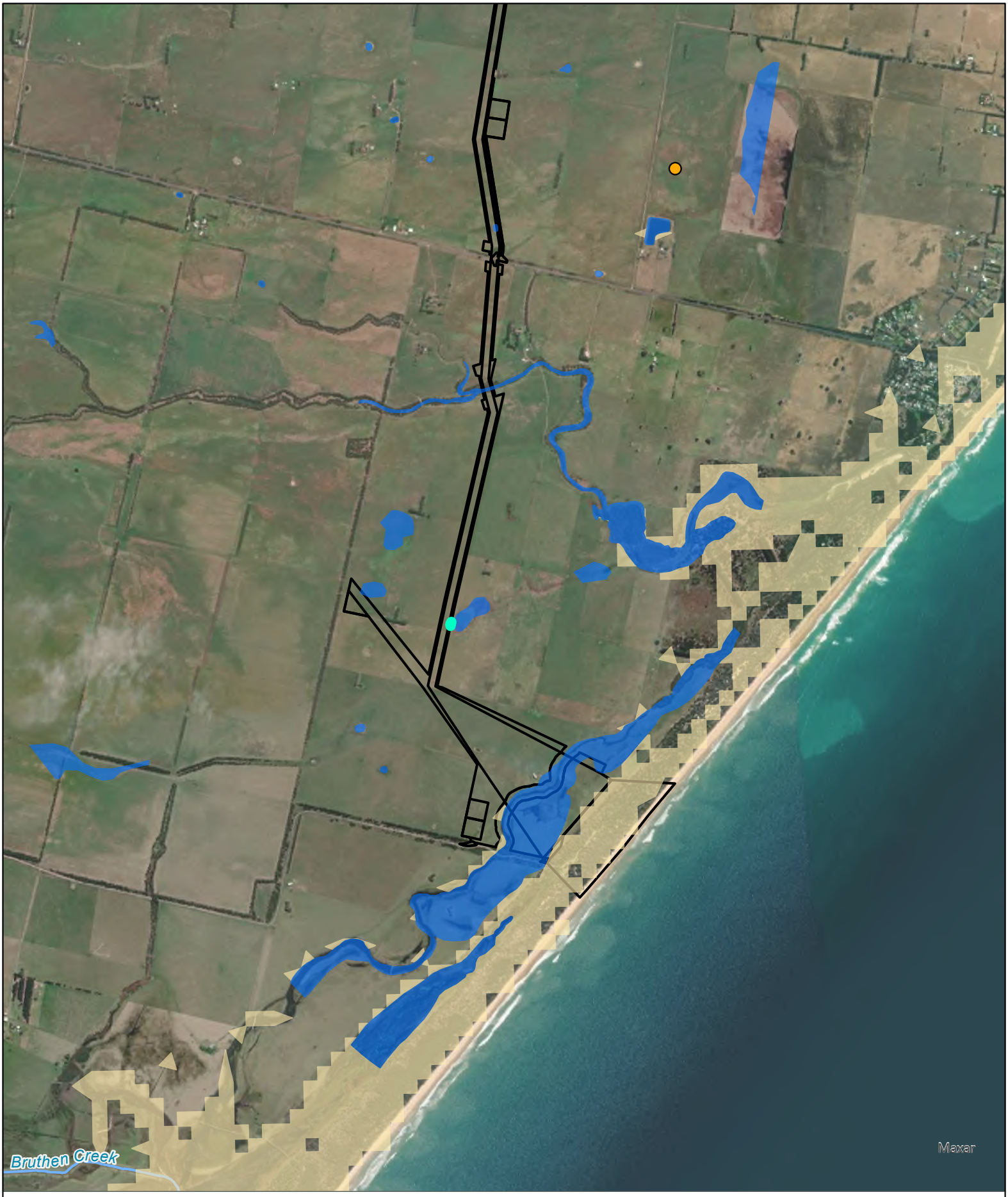


Figure 8-8_F: Previous records and suitable habitat for threatened migratory birds

Project No: 19200_09 **Project**: SOTS **Date**: 2/10/2025

Project area

Common alignment

Modelled Habitat

Latham's Snipe

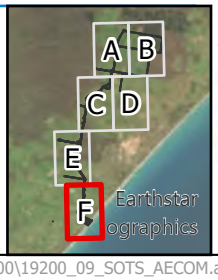
White-throated Needletail

Potential Habitat (EVC)

Latham's Snipe and White-throated Needletail

VBA records

White-throated Needletail



N

Meters

0 200 400 600 800

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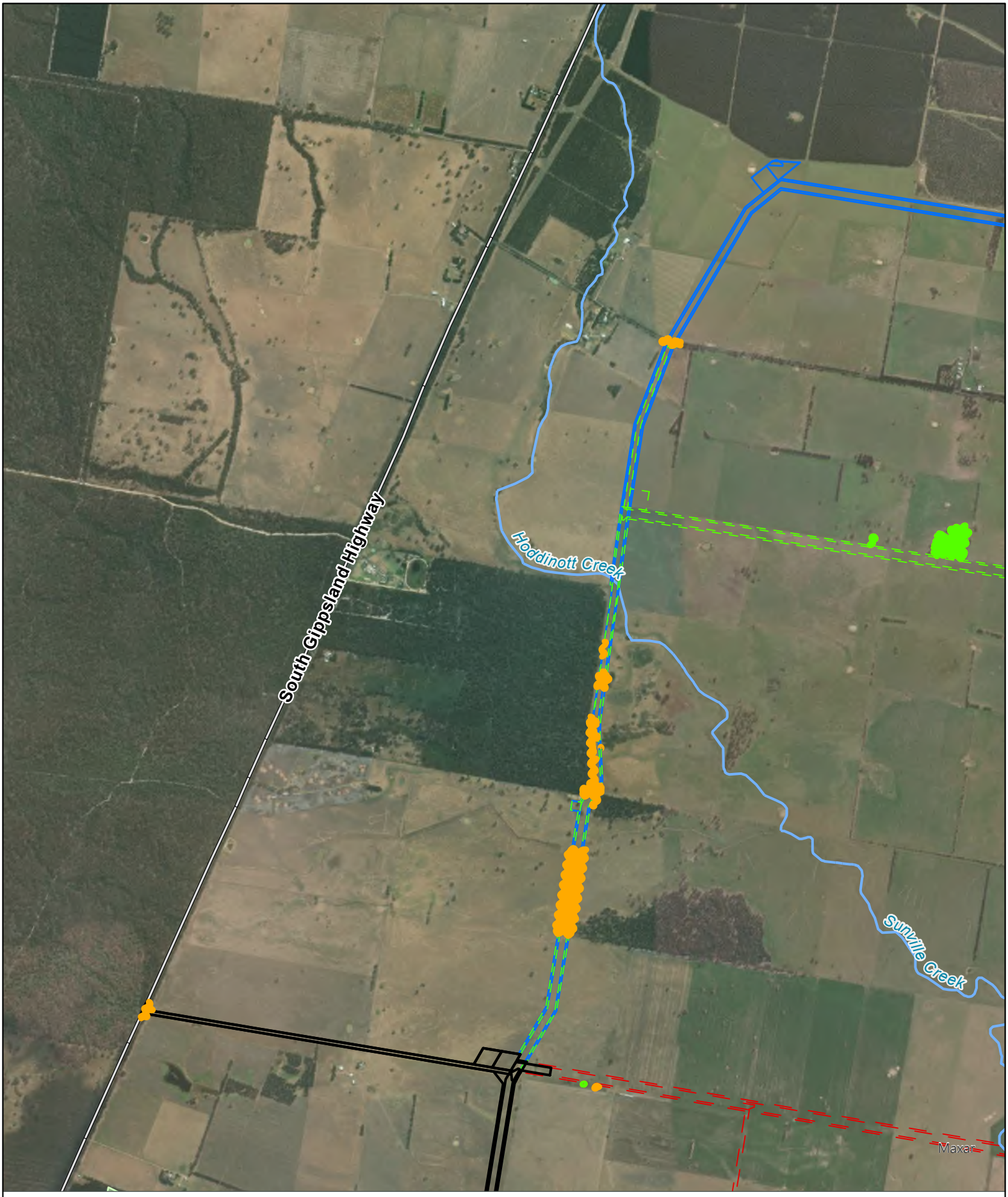


Figure 8-9_A: Previous records and suitable habitat for Grey-headed Flying-fox and New Holland Mouse

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

Project area

Alignment

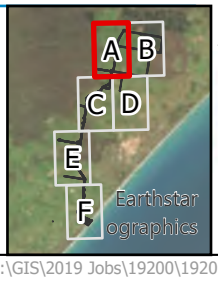
- AB
- C
- D
- Common alignment

Modelled Habitat

- New Holland Mouse

Potential Habitat (EVC)

- New Holland Mouse
- Grey-headed Flying-fox



N

Meters

0 200 400 600 800

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Figure 8-9_B: Previous records and suitable habitat for Grey-headed Flying-fox and New Holland Mouse

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

Project area

Alignment

AB

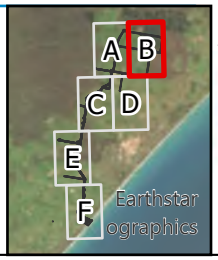
C

D

Potential Habitat (EVC)

New Holland Mouse

Grey-headed Flying-fox



N

Meters

0 200 400 600 800

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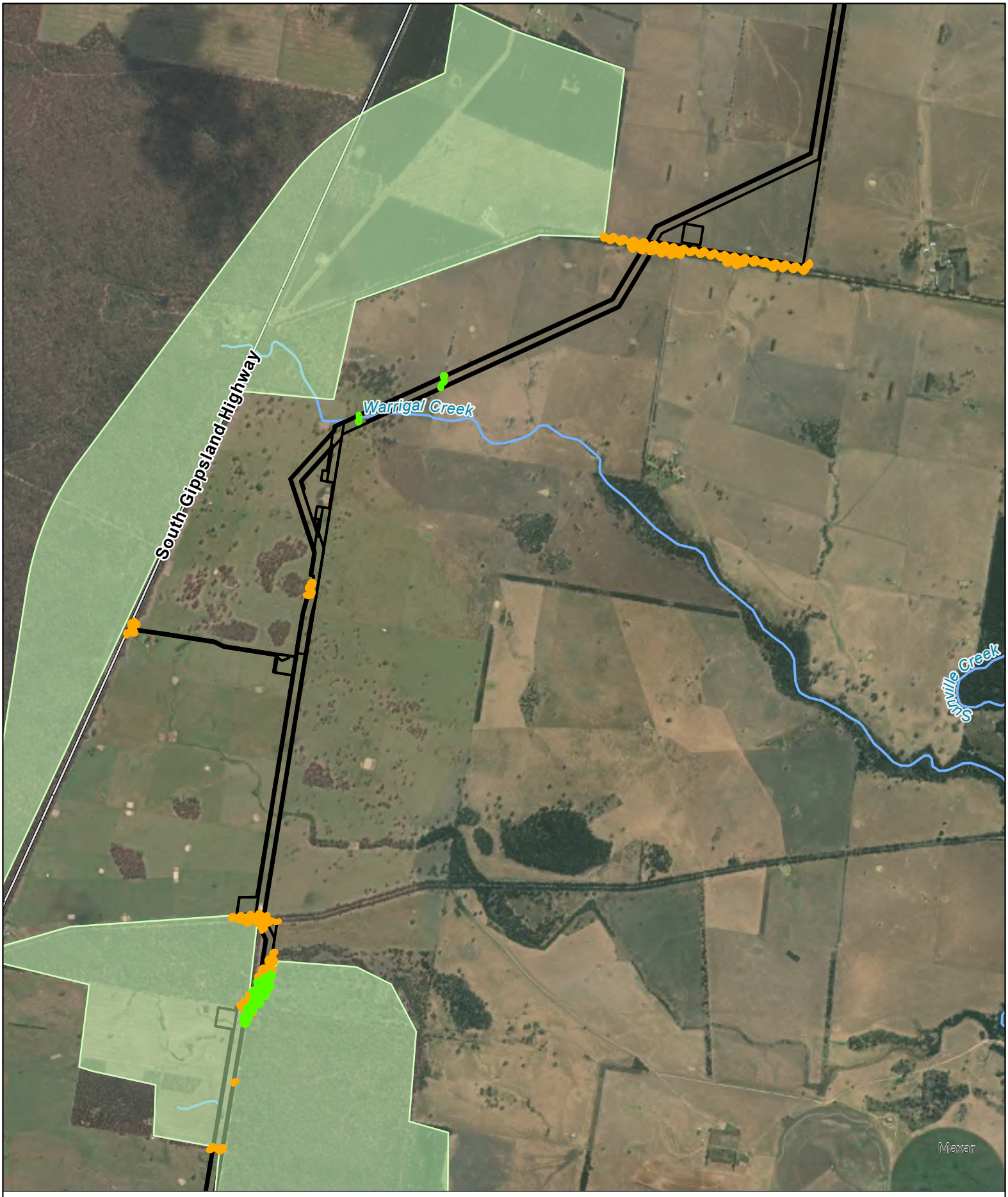


Figure 8-9_C: Previous records and suitable habitat for Grey-headed Flying-fox and New Holland Mouse

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

Project area

Common alignment

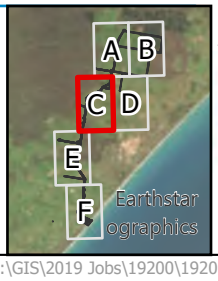
Modelled Habitat

New Holland Mouse

Potential Habitat (EVC)

New Holland Mouse

Grey-headed Flying-fox



N

Meters

0 200 400 600 800

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Figure 8-9_D: Previous records and suitable habitat for Grey-headed Flying-fox and New Holland Mouse

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

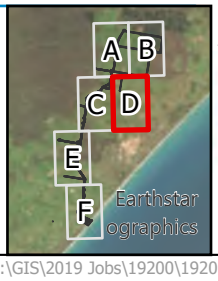
Project area

Alignment

- AB
- C
- D
- Common alignment

Potential Habitat (EVC)

- New Holland Mouse
- Grey-headed Flying-fox



N

Meters

0 200 400 600 800

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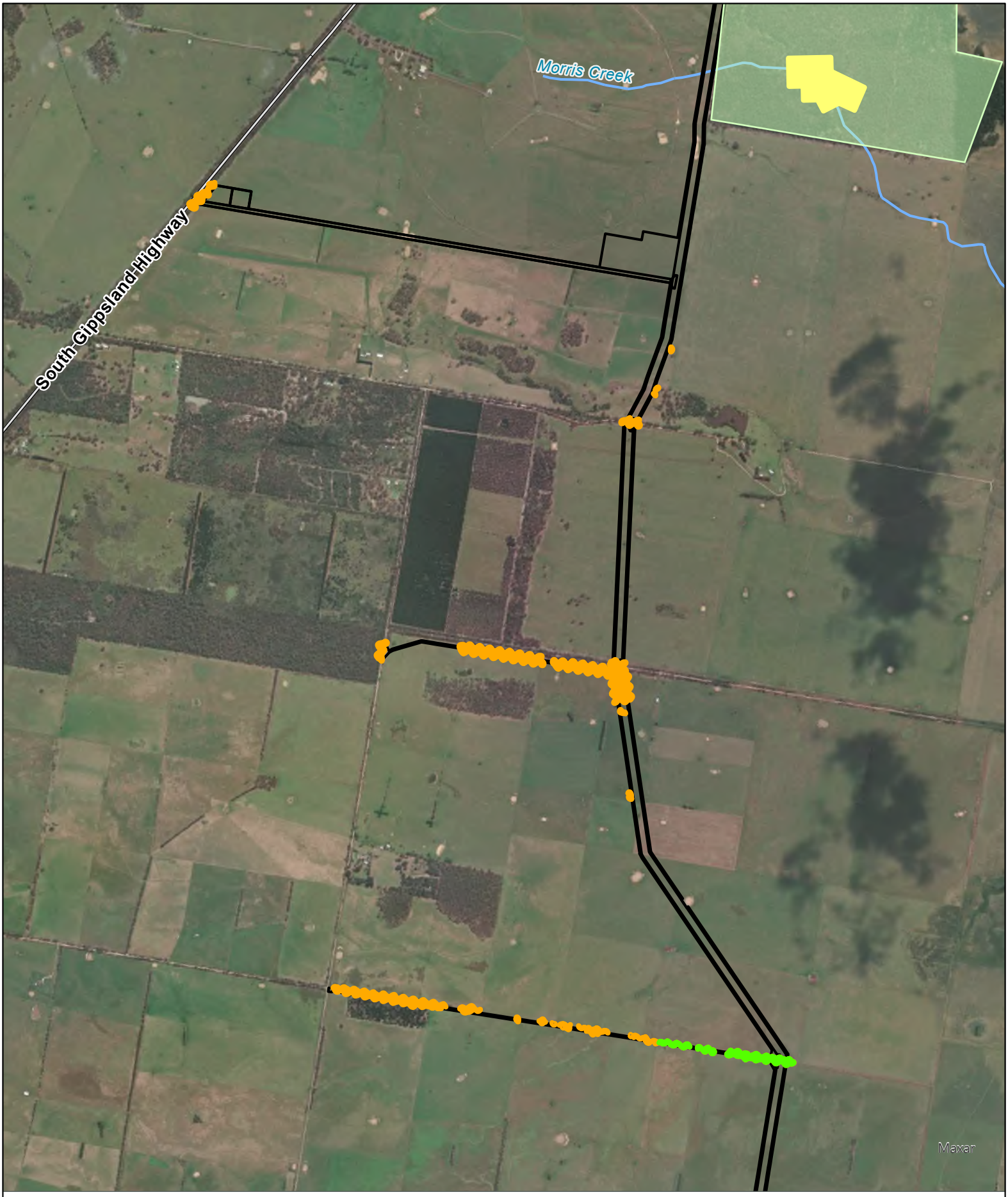


Figure 8-9_E: Previous records and suitable habitat for Grey-headed Flying-fox and New Holland Mouse

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

Project area

Common alignment

Modelled Habitat

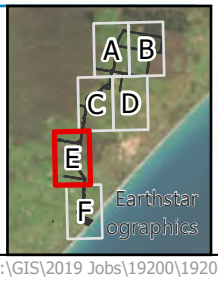
New Holland Mouse

Grey-headed Flying-fox

Potential Habitat (EVC)

New Holland Mouse

Grey-headed Flying-fox



N

Meters

0 200 400 600 800

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Figure 8-9_F: Previous records and suitable habitat for Grey-headed Flying-fox and New Holland Mouse

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

Project area

Common alignment

Modelled Habitat

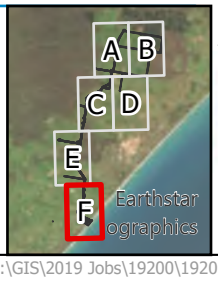
New Holland Mouse

Grey-headed Flying-fox

Potential Habitat (EVC)

New Holland Mouse

Grey-headed Flying-fox



N

Meters

0 200 400 600 800

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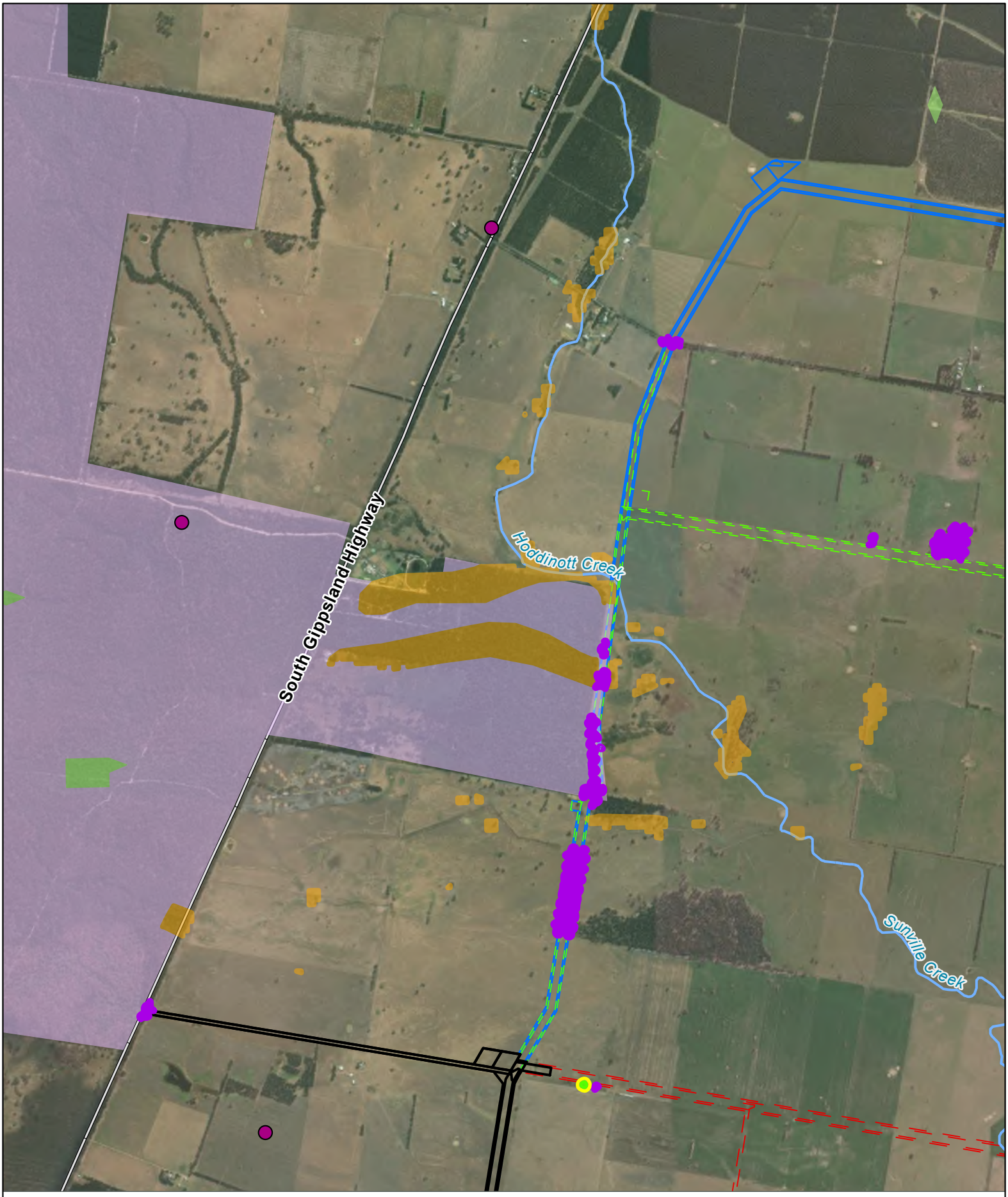


Figure 8-10_A: Previous records and suitable habitat for threatened reptiles

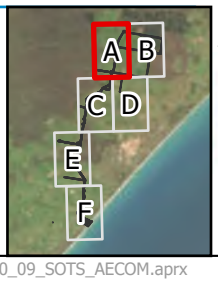
Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

Project area
Alignment
AB
C
D
Common alignment

Modelled Habitat
Swamp Skink
Glossy Grass Skink
Lace Monitor

Potential Habitat (EVC)
Swamp Skink
Glossy Grass Skink
Lace Monitor

VBA records
Lace Monitor



N

Meters
0 200 400 600 800
GDA2020 MGA Zone 55

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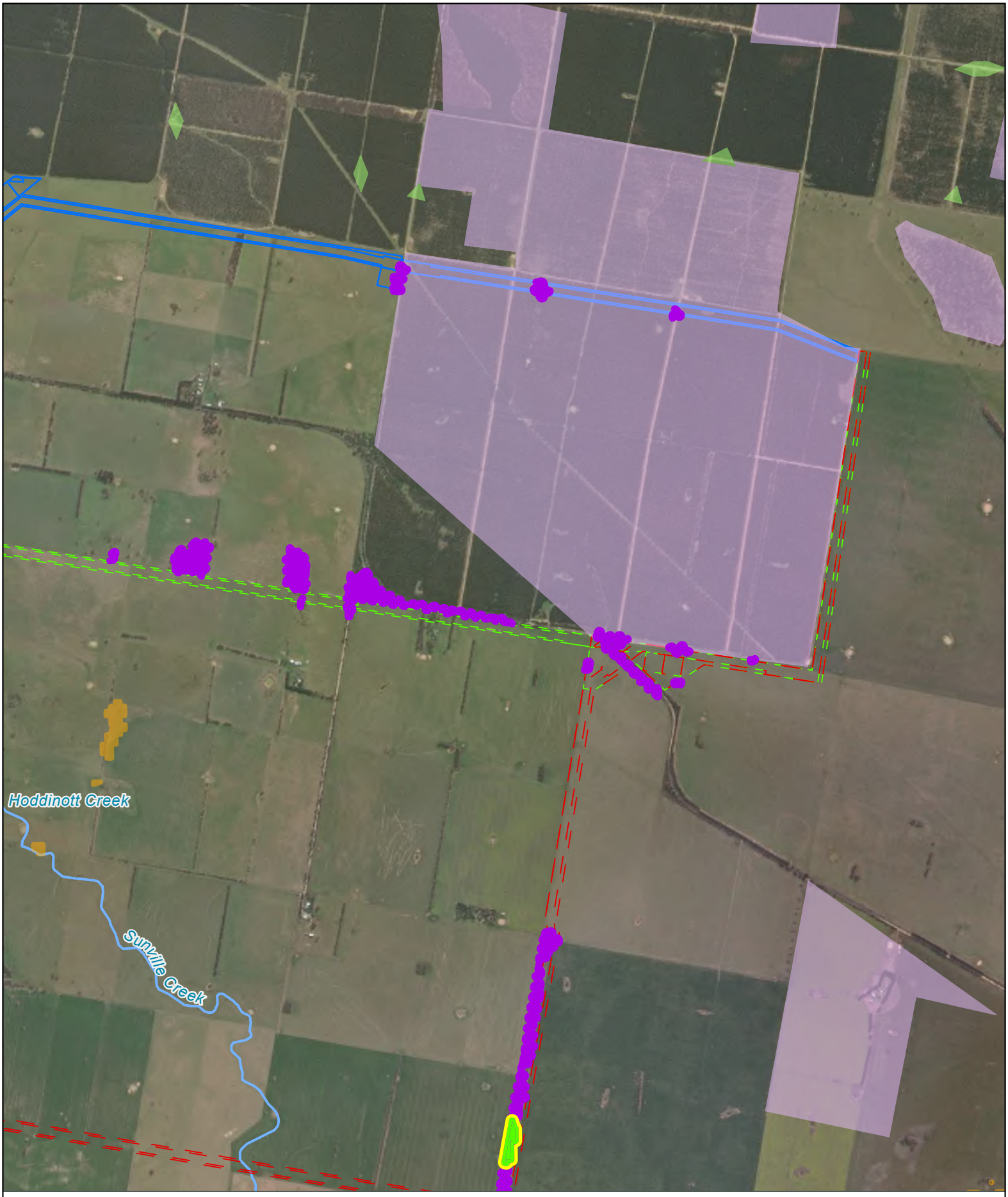


Figure 8-10_B: Previous records and suitable habitat for threatened reptiles

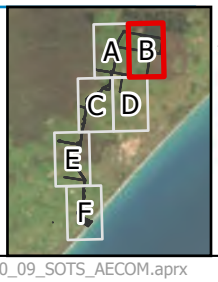
Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

Project area

Alignment
- AB
- C
- D

Modelled Habitat
- Swamp Skink
- Glossy Grass Skink
- Lace Monitor

Potential Habitat (EVC)
- Swamp Skink
- Glossy Grass Skink
- Lace Monitor



N

Meters

0 200 400 600 800

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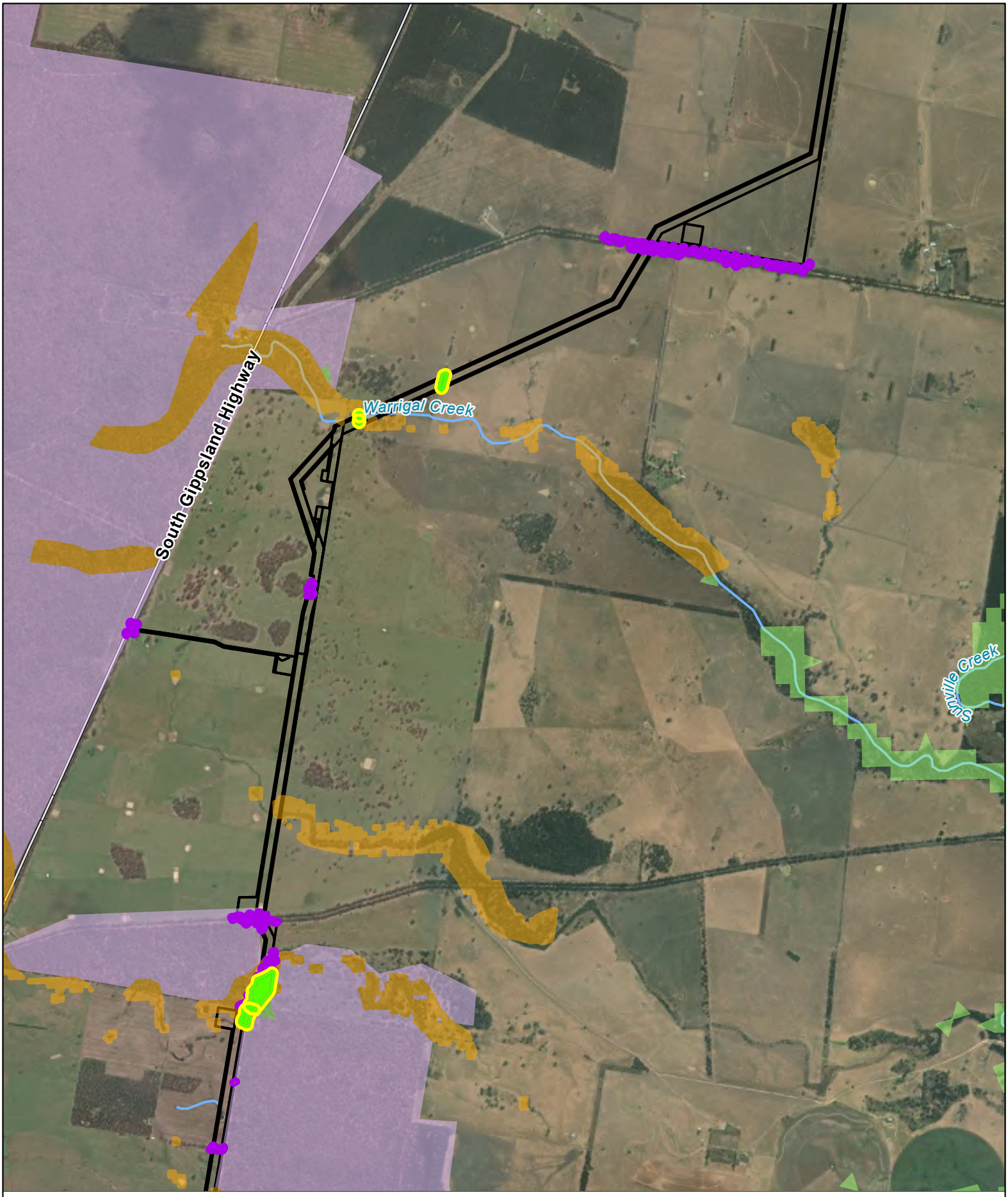


Figure 8-10_C: Previous records and suitable habitat for threatened reptiles

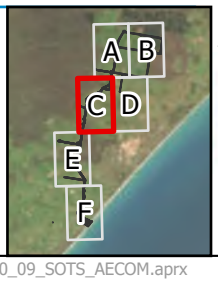
Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

Project area
- Common alignment

Modelled Habitat
- Swamp Skink
- Glossy Grass Skink
- Lace Monitor

Potential Habitat (EVC)
- Swamp Skink
- Glossy Grass Skink
- Lace Monitor

VBA records
- Lace Monitor



N

Meters
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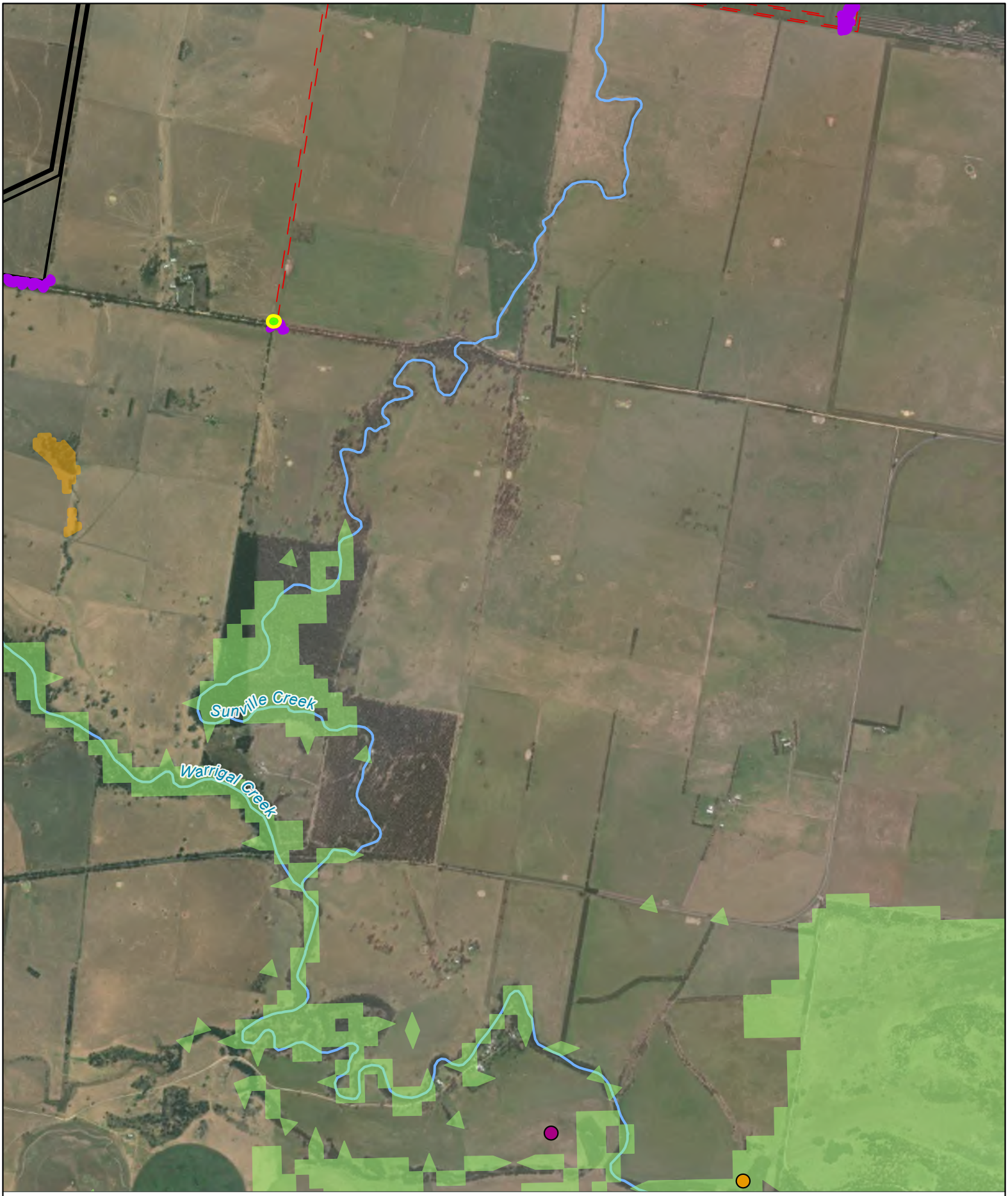


Figure 8-10_D: Previous records and suitable habitat for threatened reptiles

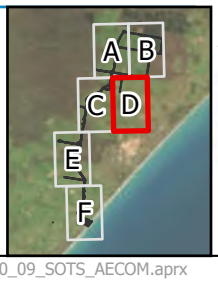
Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

Project area
Alignment
AB
C
D
Common alignment

Modelled Habitat
Swamp Skink
Glossy Grass Skink

Potential Habitat (EVC)
Swamp Skink
Glossy Grass Skink
Lace Monitor

VBA records
Swamp Skink
Lace Monitor



N

Meters
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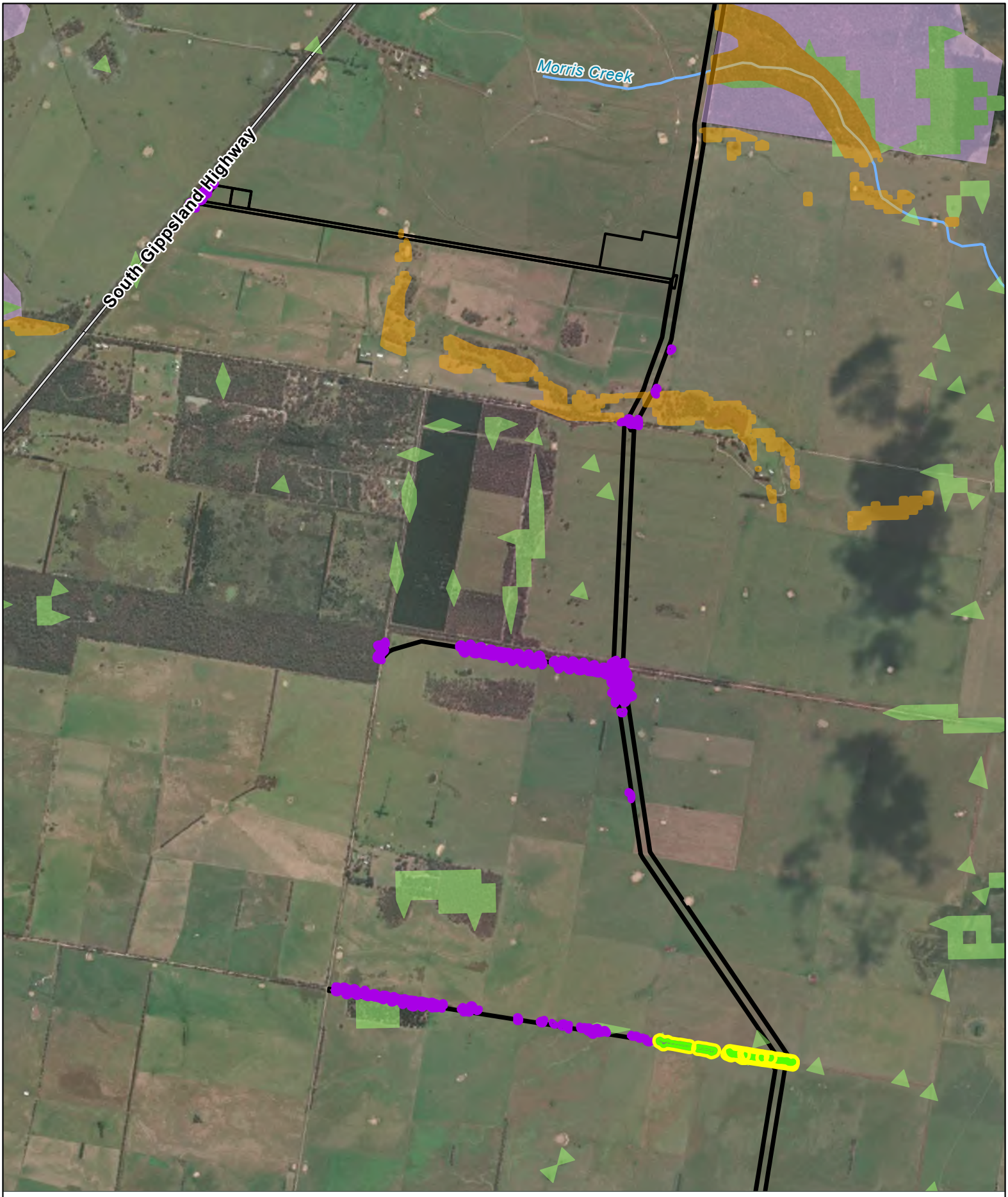


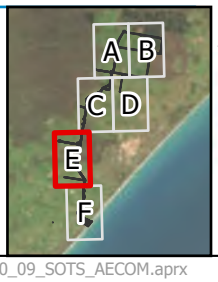
Figure 8-10_E: Previous records and suitable habitat for threatened reptiles

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

Project area
- Common alignment

Modelled Habitat
- Swamp Skink
- Glossy Grass Skink
- Lace Monitor

Potential Habitat (EVC)
- Swamp Skink
- Glossy Grass Skink
- Lace Monitor



N

Meters
0 200 400 600 800
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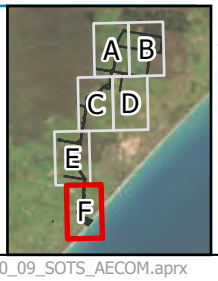
Figure 8-10_F: Previous records and suitable habitat for threatened reptiles

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

Project area
- Common alignment

Modelled Habitat
- Swamp Skink
- Glossy Grass Skink

Potential Habitat (EVC)
- Swamp Skink
- Glossy Grass Skink
- Lace Monitor



N

Meters
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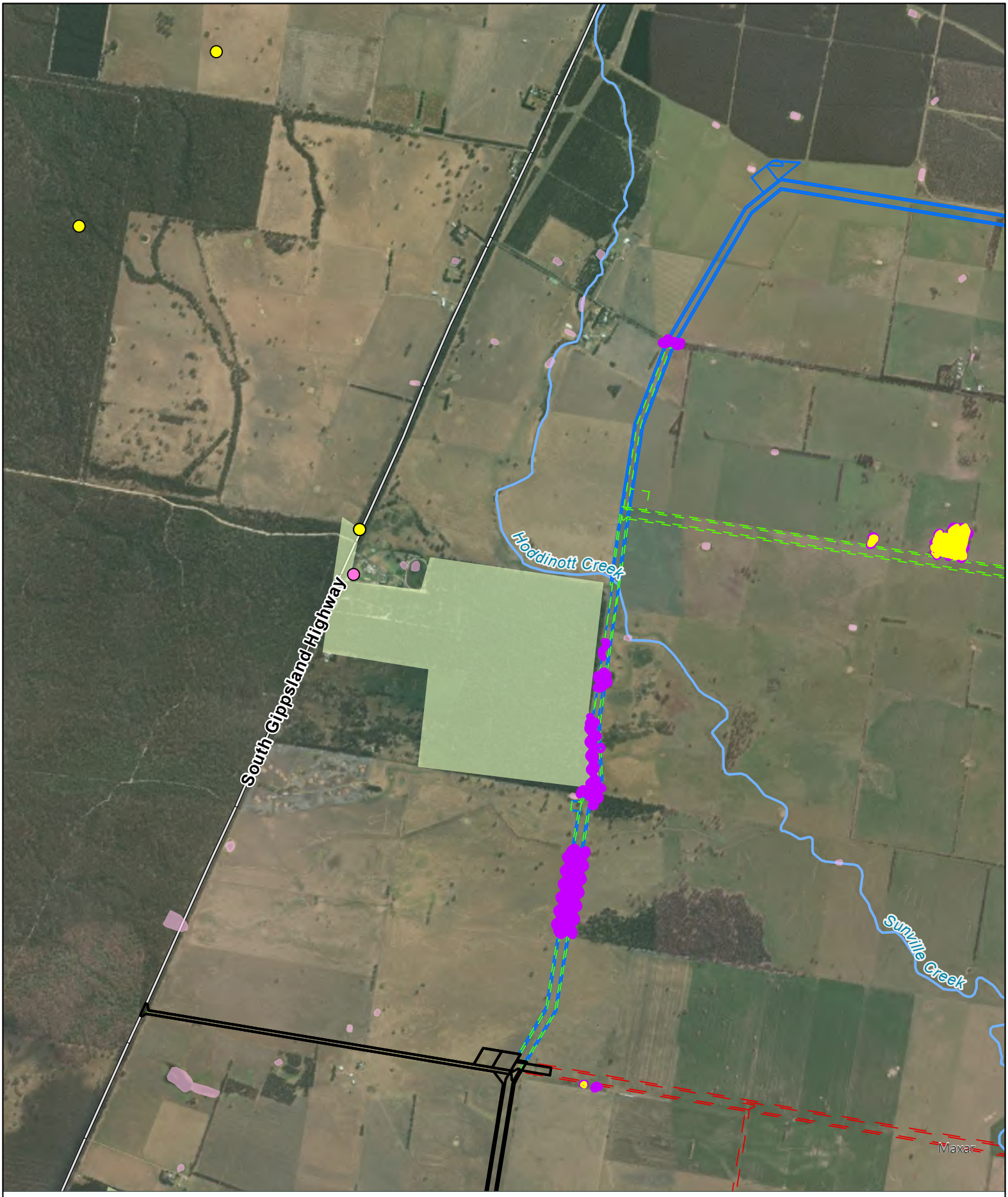


Figure 8-11_A: Previous records and suitable habitat for Growling Grass Frog, Southern and Martin's Toadlet

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

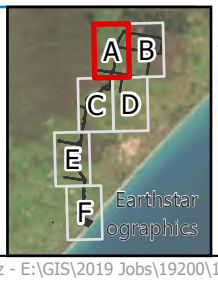
Project area

Alignment
- AB
- C
- D
- Common alignment

Modelled Habitat
- Growling Grass Frog
- Southern Toadlet and Martin's Toadlet

Potential Habitat (EVC)
- Southern Toadlet
- Martin's Toadlet

VBA records
- Growling Grass Frog
- Southern Toadlet



N

Meters
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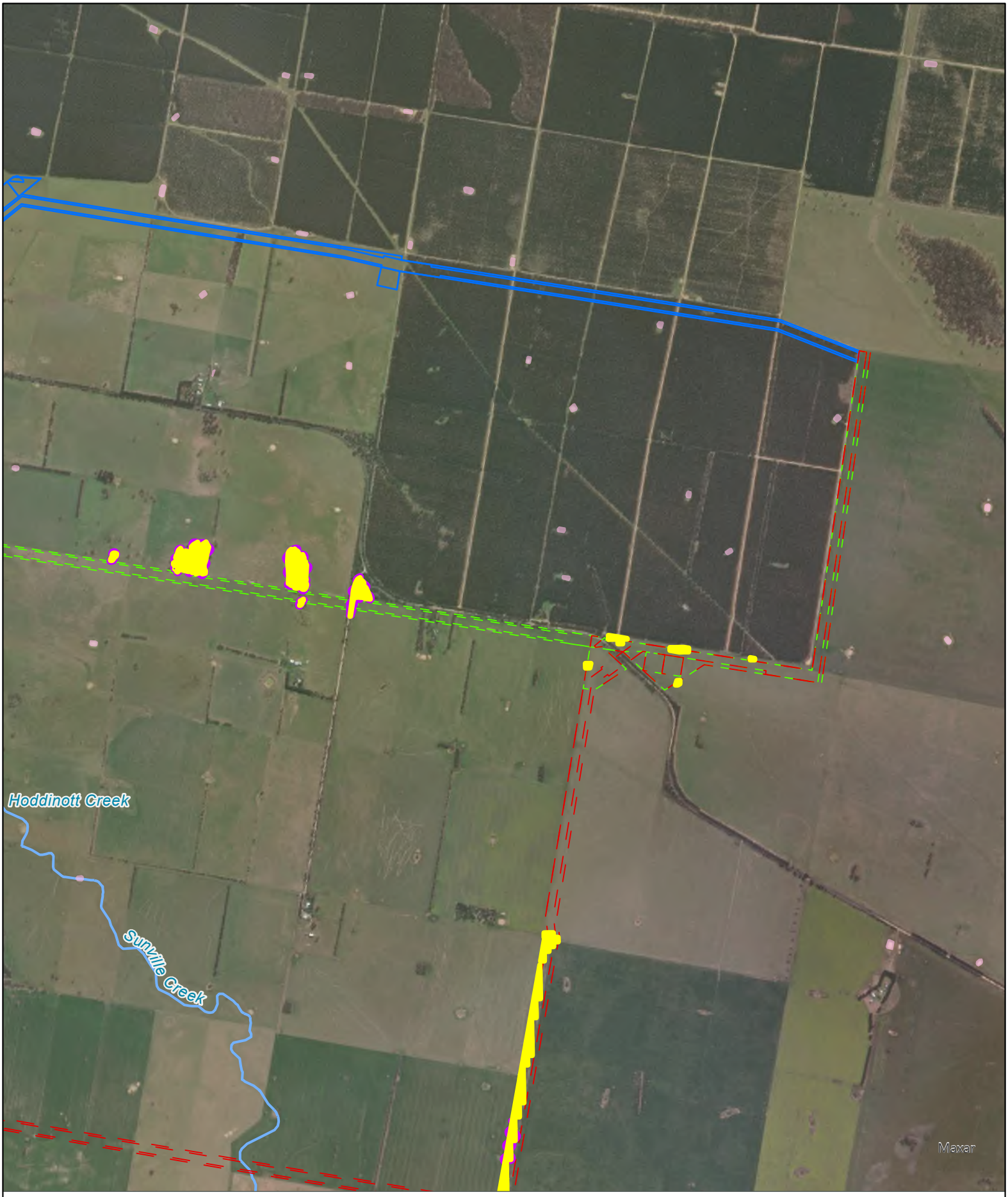


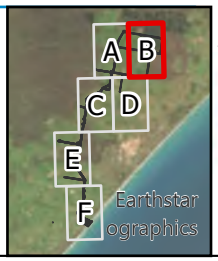
Figure 8-11_B: Previous records and suitable habitat for Growling Grass Frog, Southern and Martin's Toadlet

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

Project area
Alignment
AB
C
D

Modelled Habitat
Growling Grass Frog

Potential Habitat (EVC)
Southern Toadlet
Martin's Toadlet



N

Meters
0 200 400 600 800
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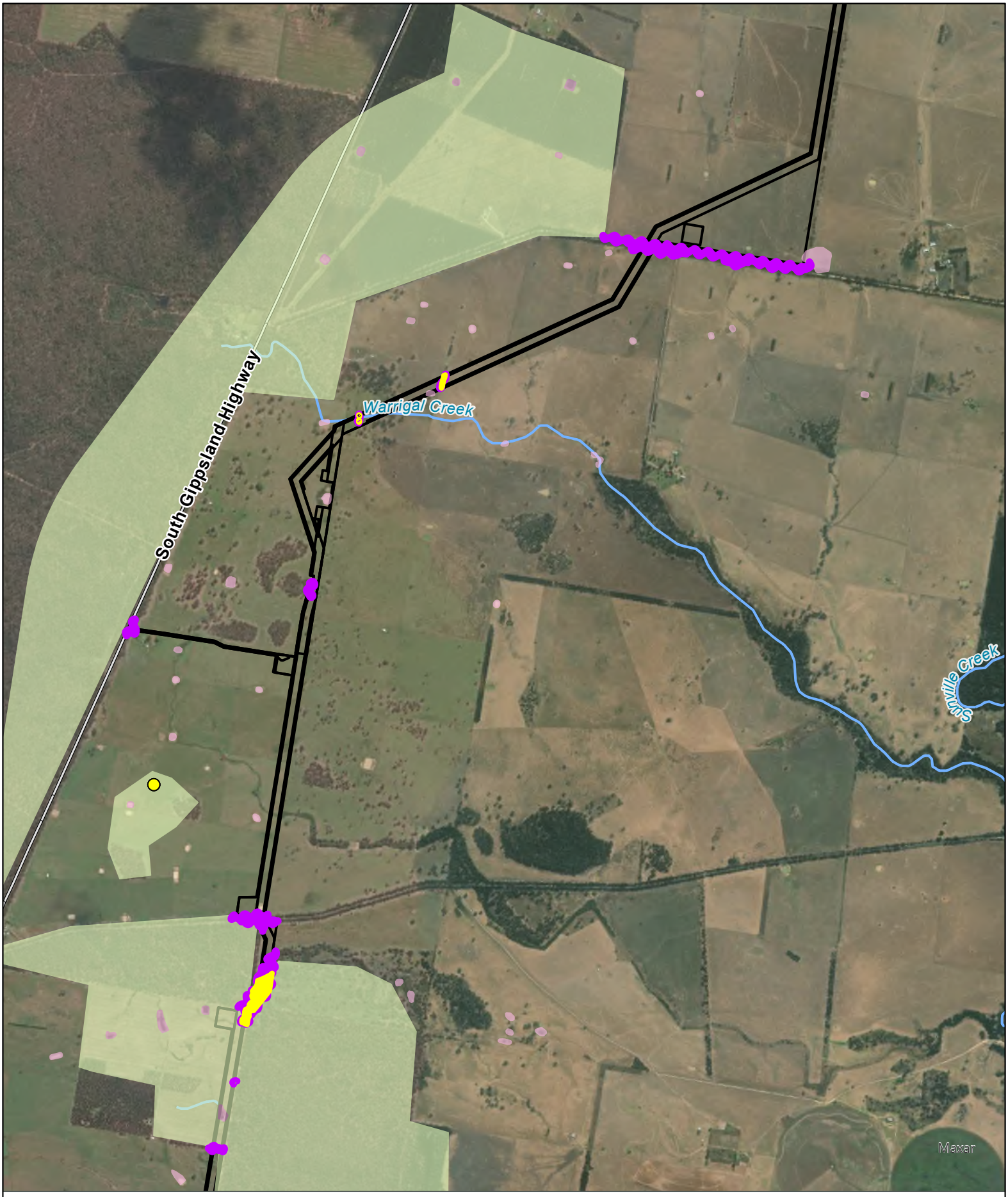


Figure 8-11_C: Previous records and suitable habitat for Growling Grass Frog, Southern and Martin's Toadlet

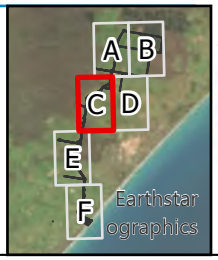
Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

Project area
- Common alignment

Modelled Habitat
- Growling Grass Frog
- Southern Toadlet and Martin's Toadlet

Potential Habitat (EVC)
- Southern Toadlet
- Martin's Toadlet

VBA records
- Southern Toadlet



N

Meters
0 200 400 600 800
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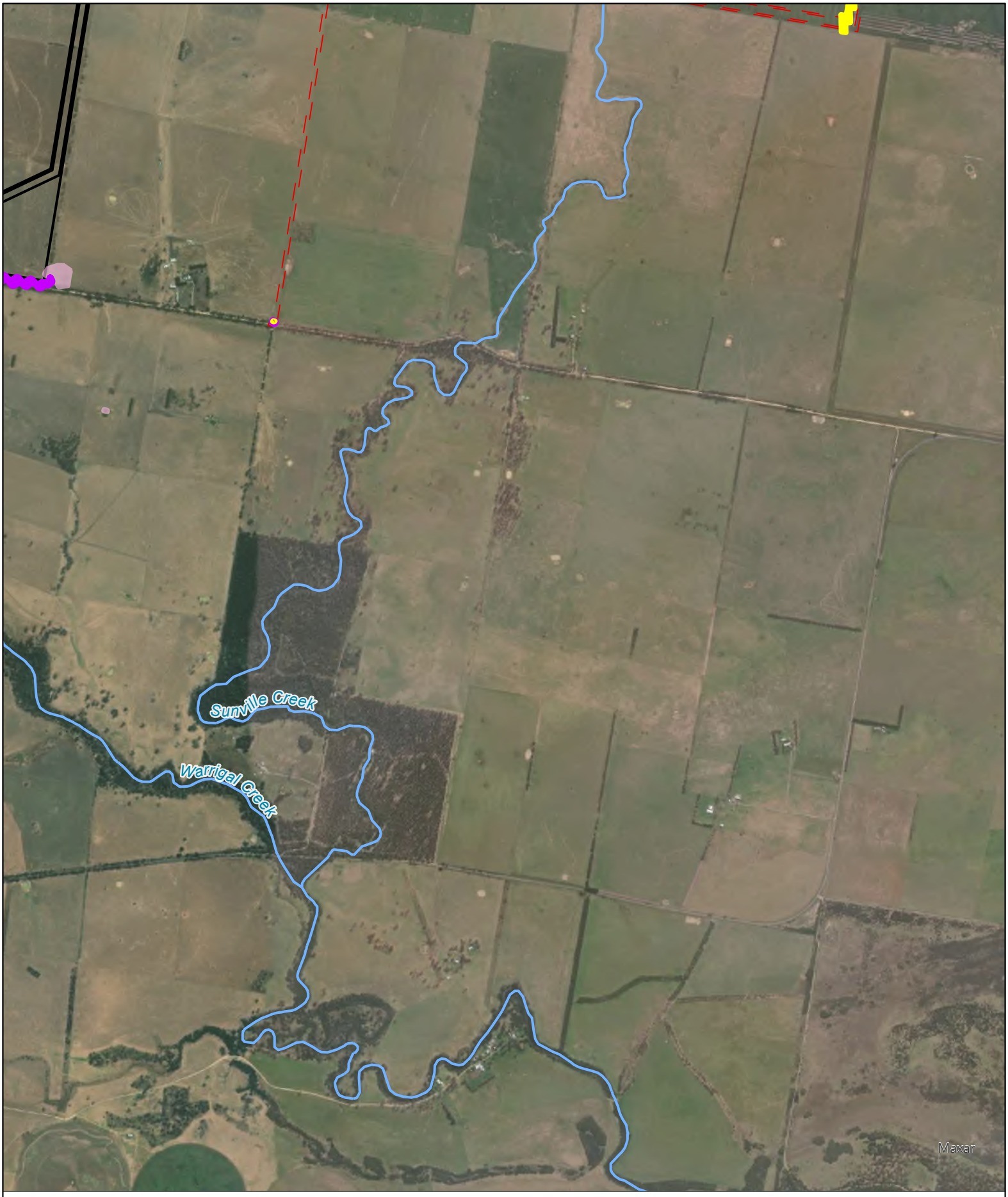


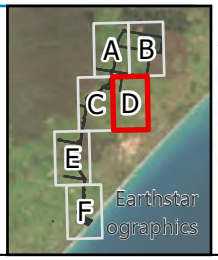
Figure 8-11_D: Previous records and suitable habitat for Growling Grass Frog, Southern and Martin's Toadlet

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

Project area
Alignment
- AB
- C
- D
- Common alignment

Modelled Habitat
- Growling Grass Frog

Potential Habitat (EVC)
- Southern Toadlet
- Martin's Toadlet



N

Meters
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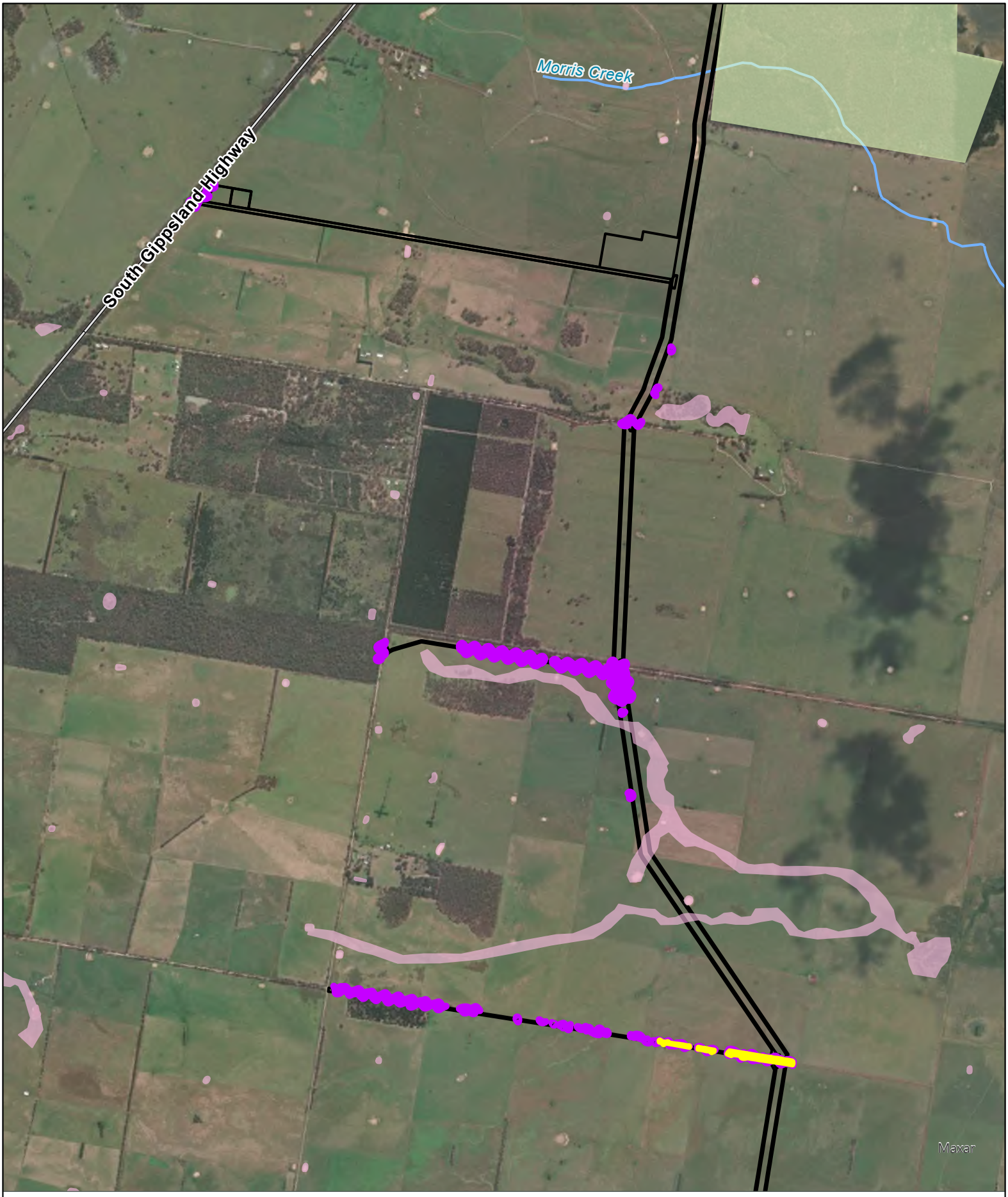


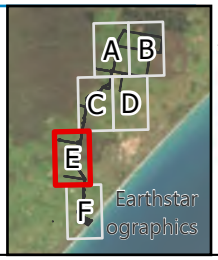
Figure 8-11_E: Previous records and suitable habitat for Growling Grass Frog, Southern and Martin's Toadlet

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

Project area
- Common alignment

Modelled Habitat
- Growling Grass Frog
- Southern Toadlet and Martin's Toadlet

Potential Habitat (EVC)
- Southern Toadlet
- Martin's Toadlet



N

Meters
0 200 400 600 800
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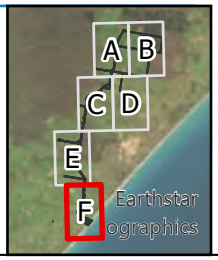
Figure 8-11_F: Previous records and suitable habitat for Growling Grass Frog, Southern and Martin's Toadlet

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

Project area
- Common alignment

Modelled Habitat
- Growling Grass Frog

Potential Habitat (EVC)
- Southern Toadlet
- Martin's Toadlet



N

Meters
0 200 400 600 800
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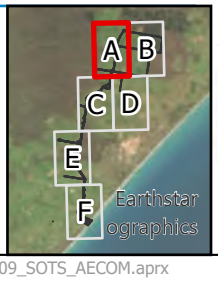
Figure 8-12_A: Previous records and suitable habitat for threatened fish

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

Project area

Alignment

- AB
- C
- D
- Common alignment



N

Meters

0 200 400 600 800

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Figure 8-12_B: Previous records and suitable habitat for threatened fish

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

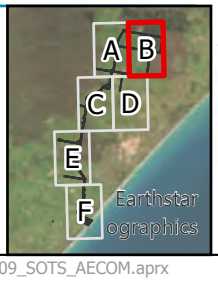
Project area

Alignment

AB

C

D



N

Meters

0 200 400 600 800

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Figure 8-12_C: Previous records and suitable habitat for threatened fish

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

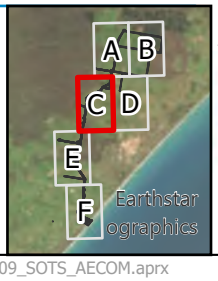
Project area

Common alignment

Modelled Habitat

Australian Grayling

Flinders Pygmy Perch



N

Meters

0 200 400 600 800

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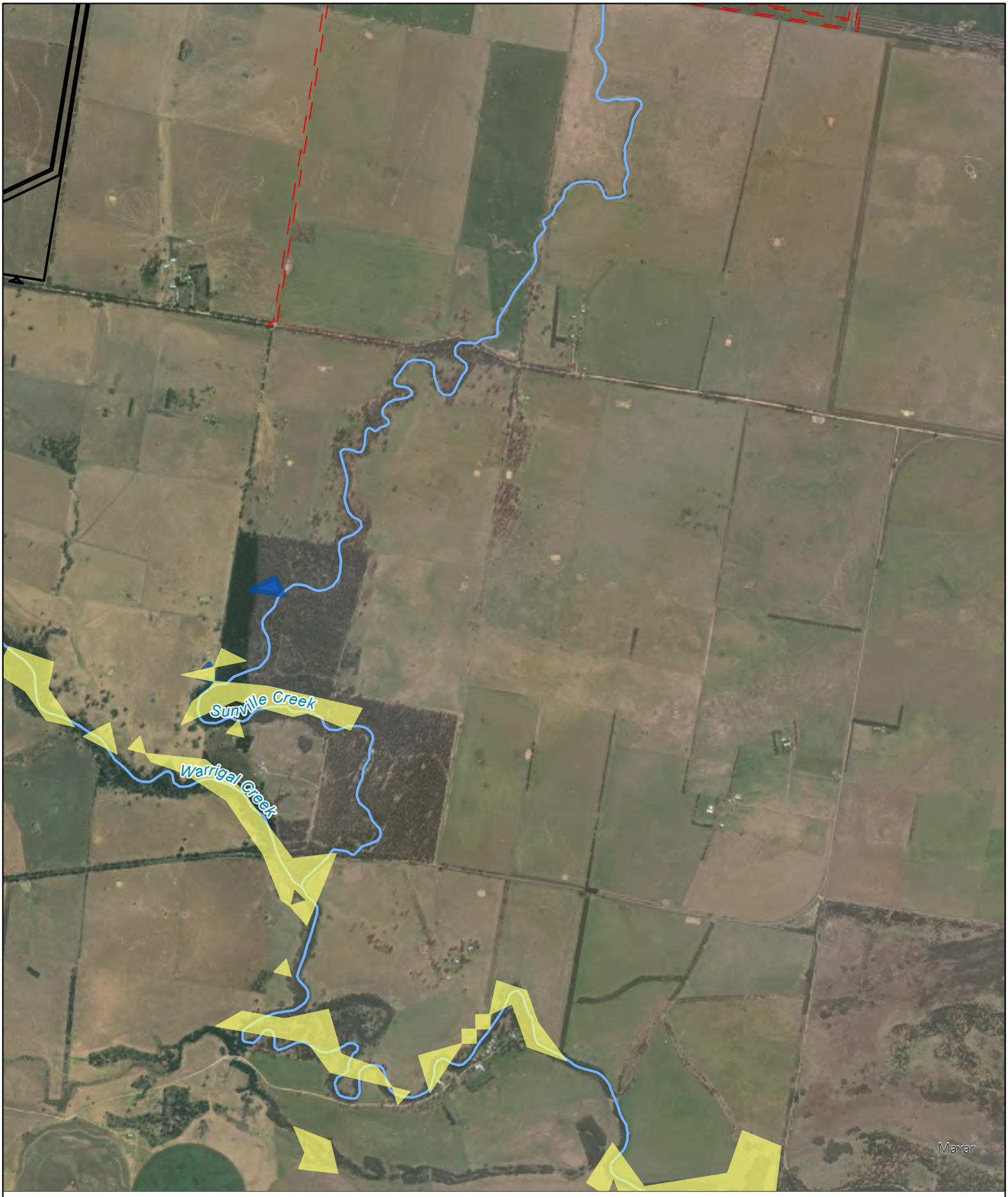


Figure 8-12_D: Previous records and suitable habitat for threatened fish

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

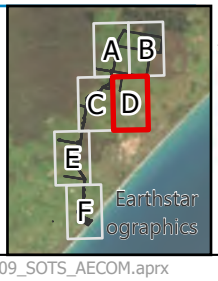
Project area

Alignment

- AB
- C
- D
- Common alignment

Modelled Habitat

- Australian Grayling
- Flinders Pygmy Perch



N

Meters

0 200 400 600 800

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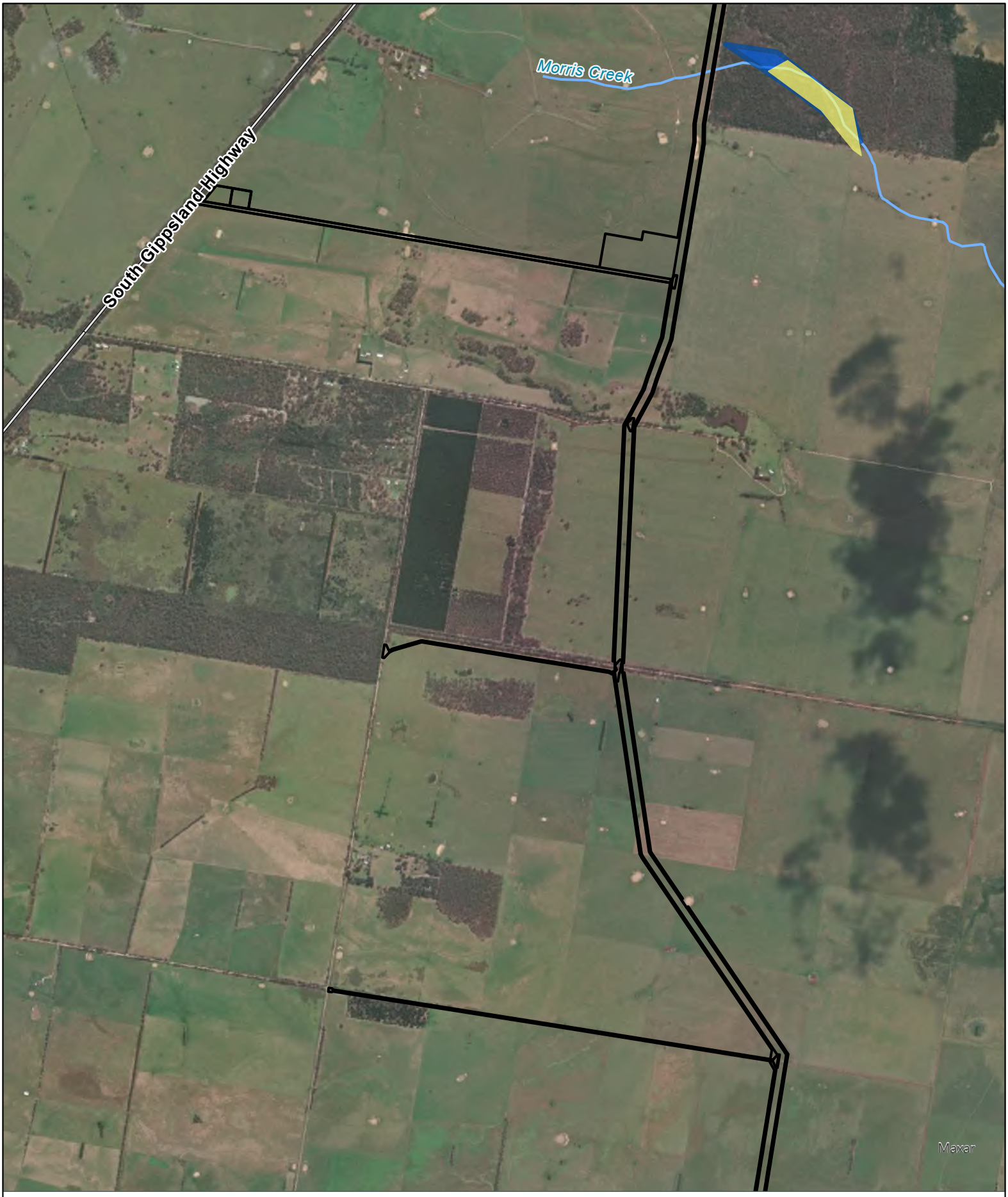


Figure 8-12_E: Previous records and suitable habitat for threatened fish

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

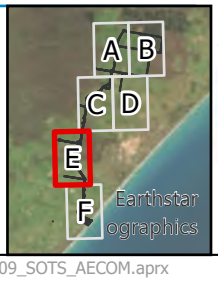
Project area

Common alignment

Modelled Habitat

Australian Grayling

Flinders Pygmy Perch



N

Meters

0 200 400 600 800

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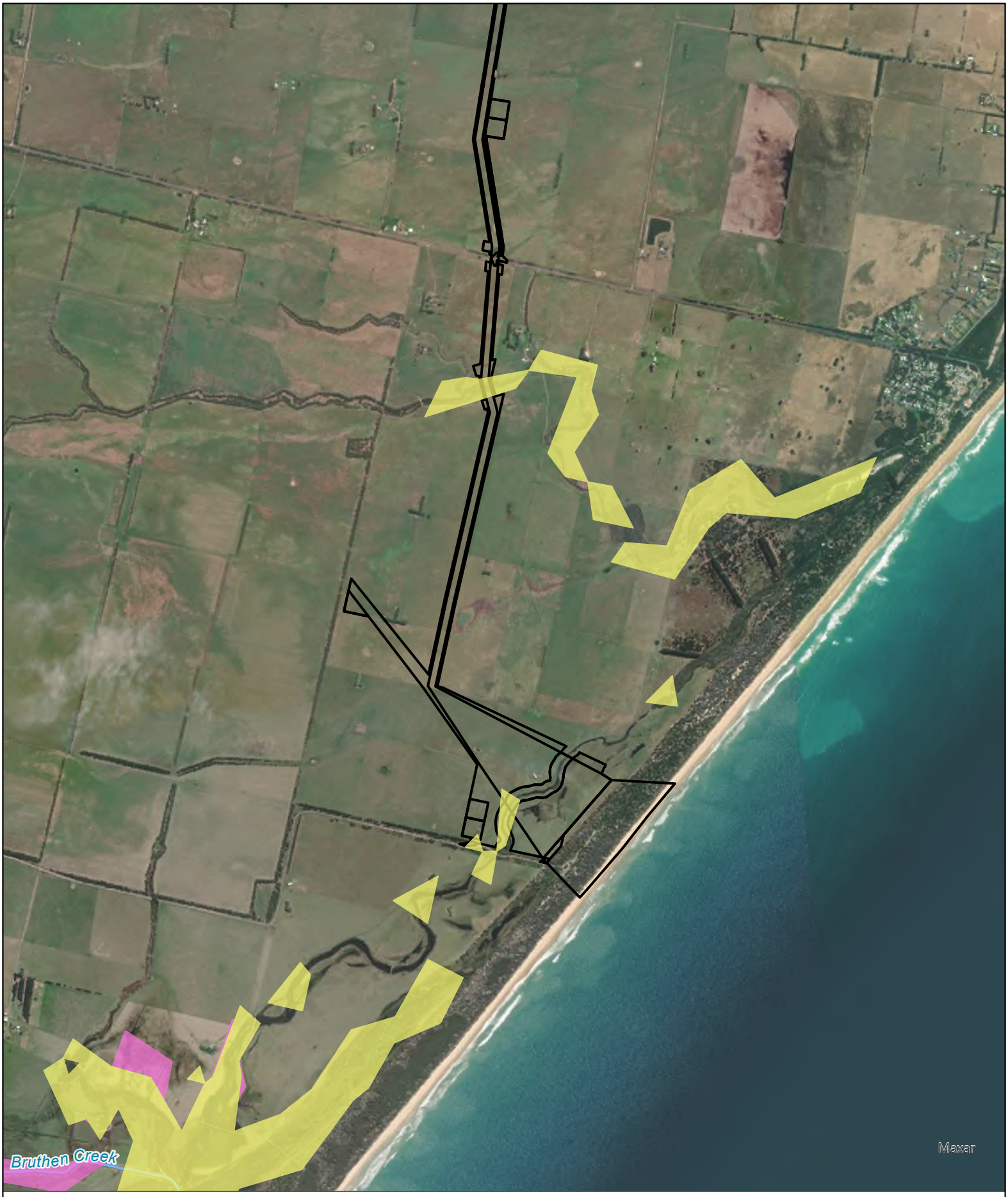


Figure 8-12_F: Previous records and suitable habitat for threatened fish

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 2/10/2025

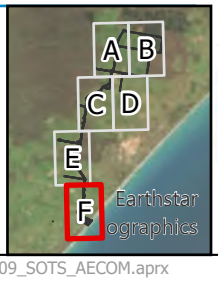
Project area

Common alignment

Modelled Habitat

Australian Grayling

Dwarf Galaxias



N

Meters

0 200 400 600 800

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Figure 10-1_A: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

No land access - DEECA modeled vegetation

Native vegetation

Small Scattered Tree

Removal

Tree to be removed



N

Metres

0 20 40 60

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100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_B: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

No land access - DEECA modeled vegetation

Native vegetation

Large Scattered Tree

Removal

Tree to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_C: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

No land access - DEECA modeled vegetation

Native vegetation

16 Lowland Forest

Removal

Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

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100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number



Figure 10-1_D: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

No land access - DEECA modeled vegetation

Native vegetation

16 Lowland Forest

Removal

Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

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03 9815 2111 - info@natureadvisory.com.au

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

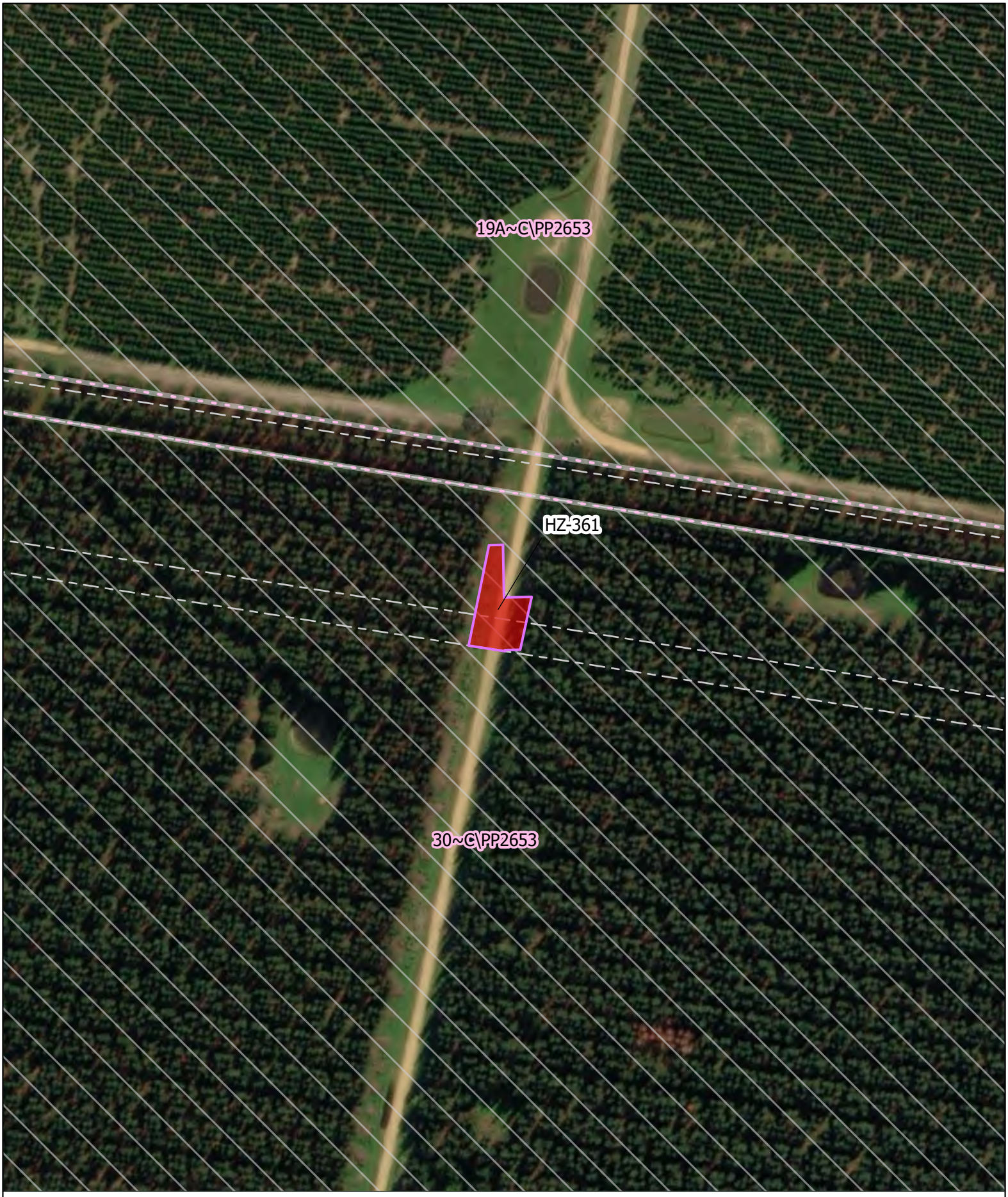


Figure 10-1_E: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

No land access - DEECA modeled vegetation

Native vegetation

16 Lowland Forest

Removal

Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

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100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

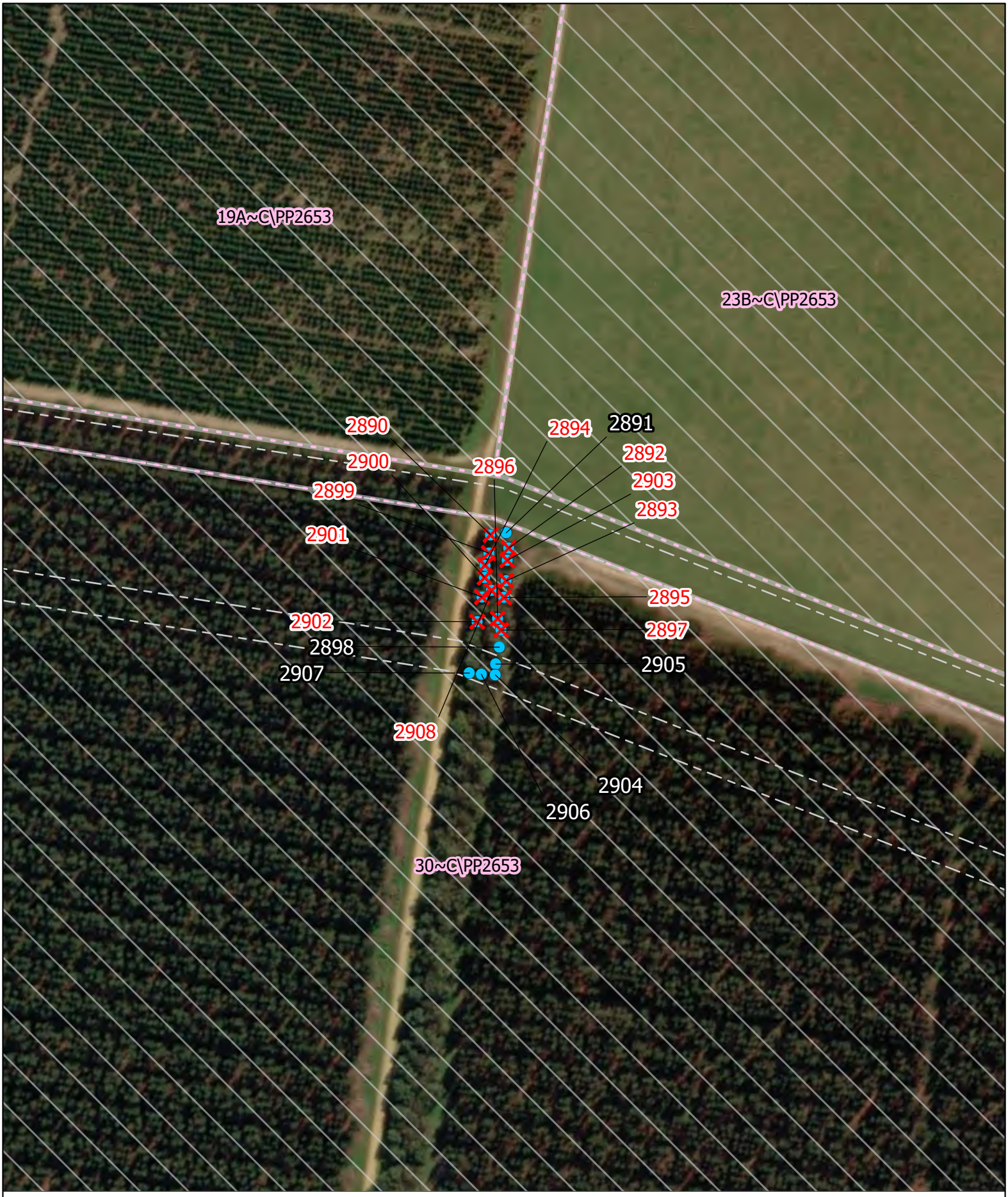


Figure 10-1_F: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

No land access - DEECA modeled vegetation

Native vegetation

Aerial mapped Tree

Removal

Tree to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

Nature Advisory

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100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

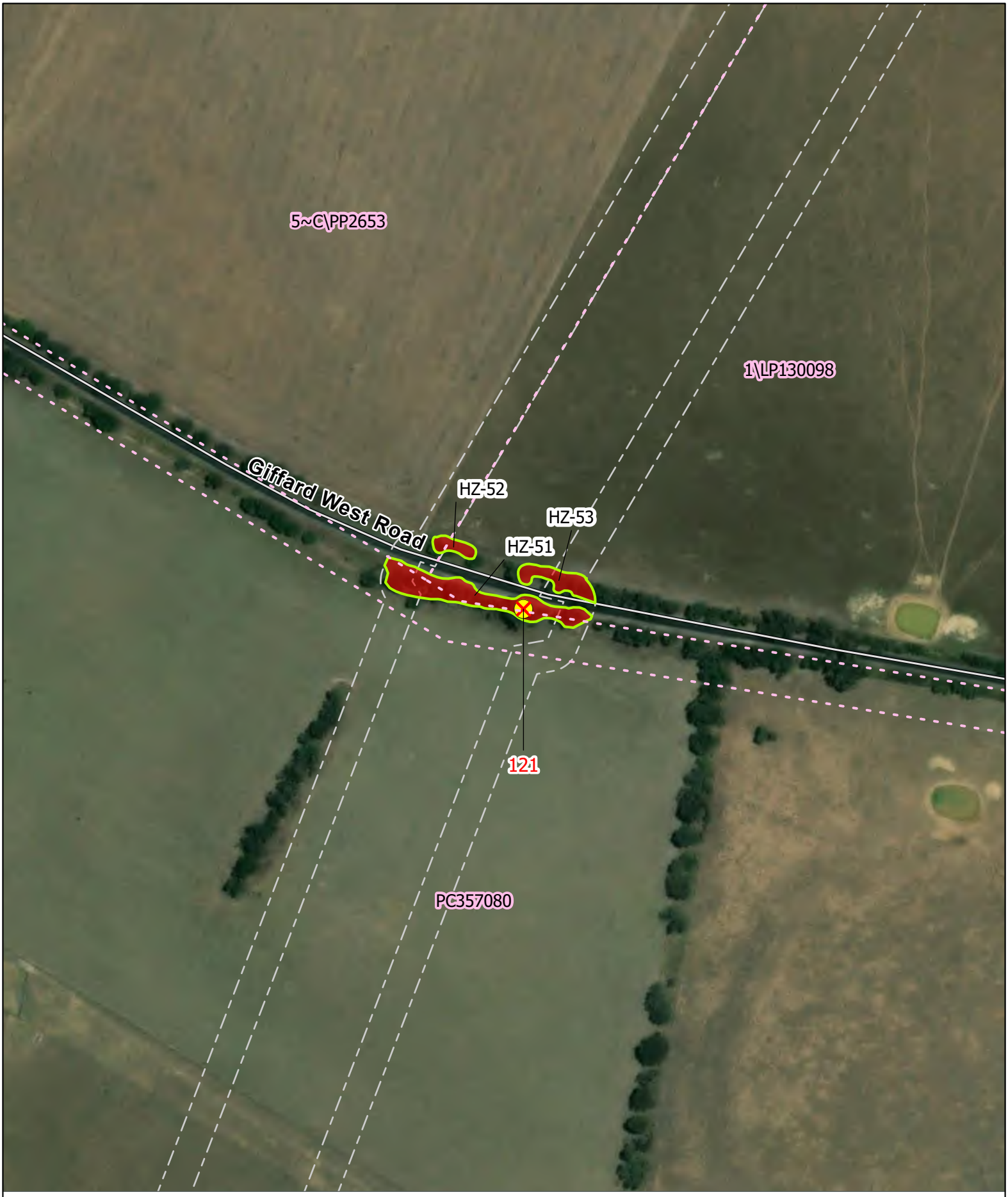


Figure 10-1_G: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Native vegetation

Large Tree in Patch

151 Plains Grassy Forest

Removal

Tree to be removed

Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

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100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number



Figure 10-1_H: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Native vegetation

Small Scattered Tree

48 Heathy Woodland

Removal

Tree to be removed

Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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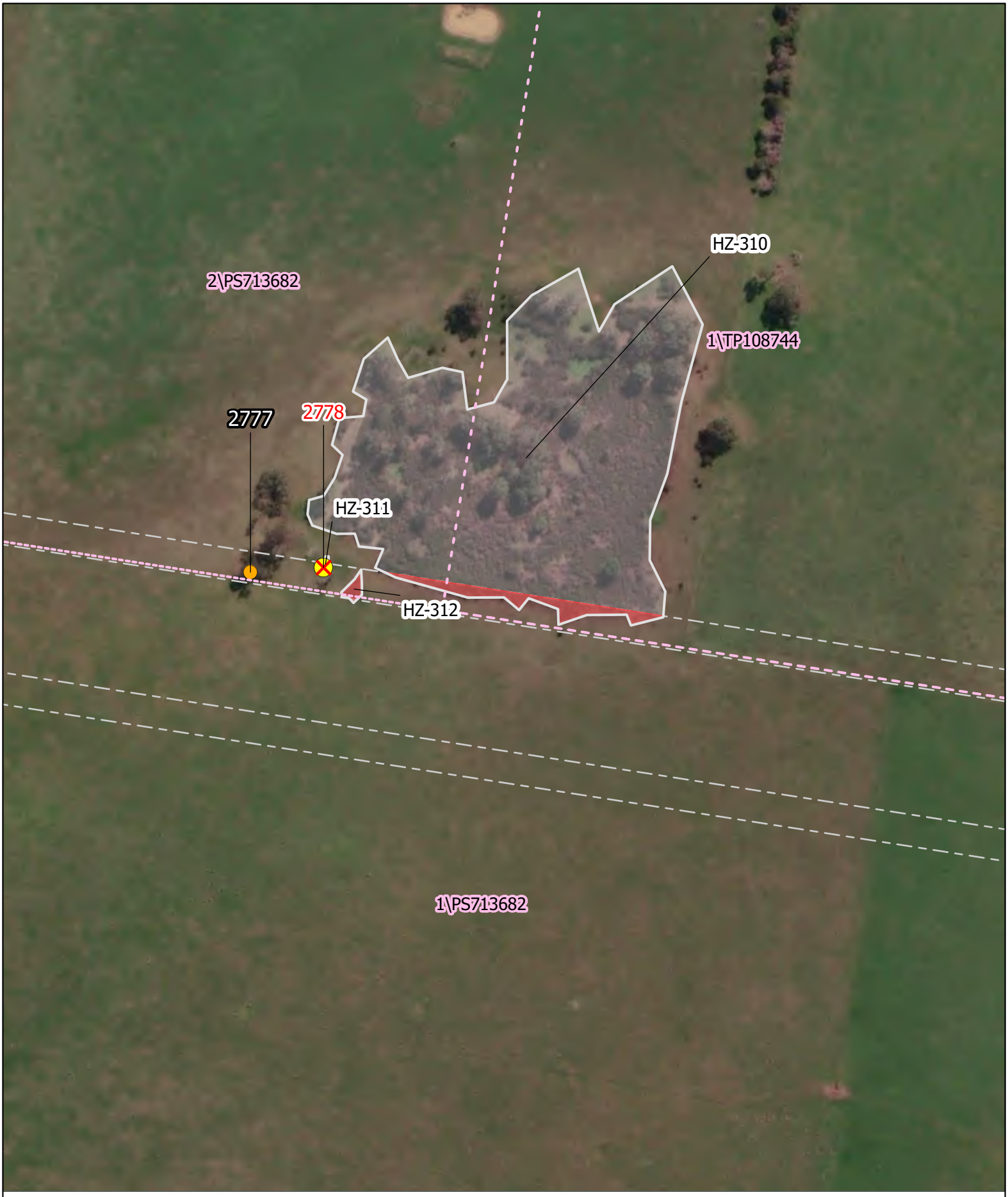


Figure 10-1_I: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Native vegetation

Large Tree in Patch

Small Scattered Tree

48 Heathy Woodland

Removal

Tree to be removed

Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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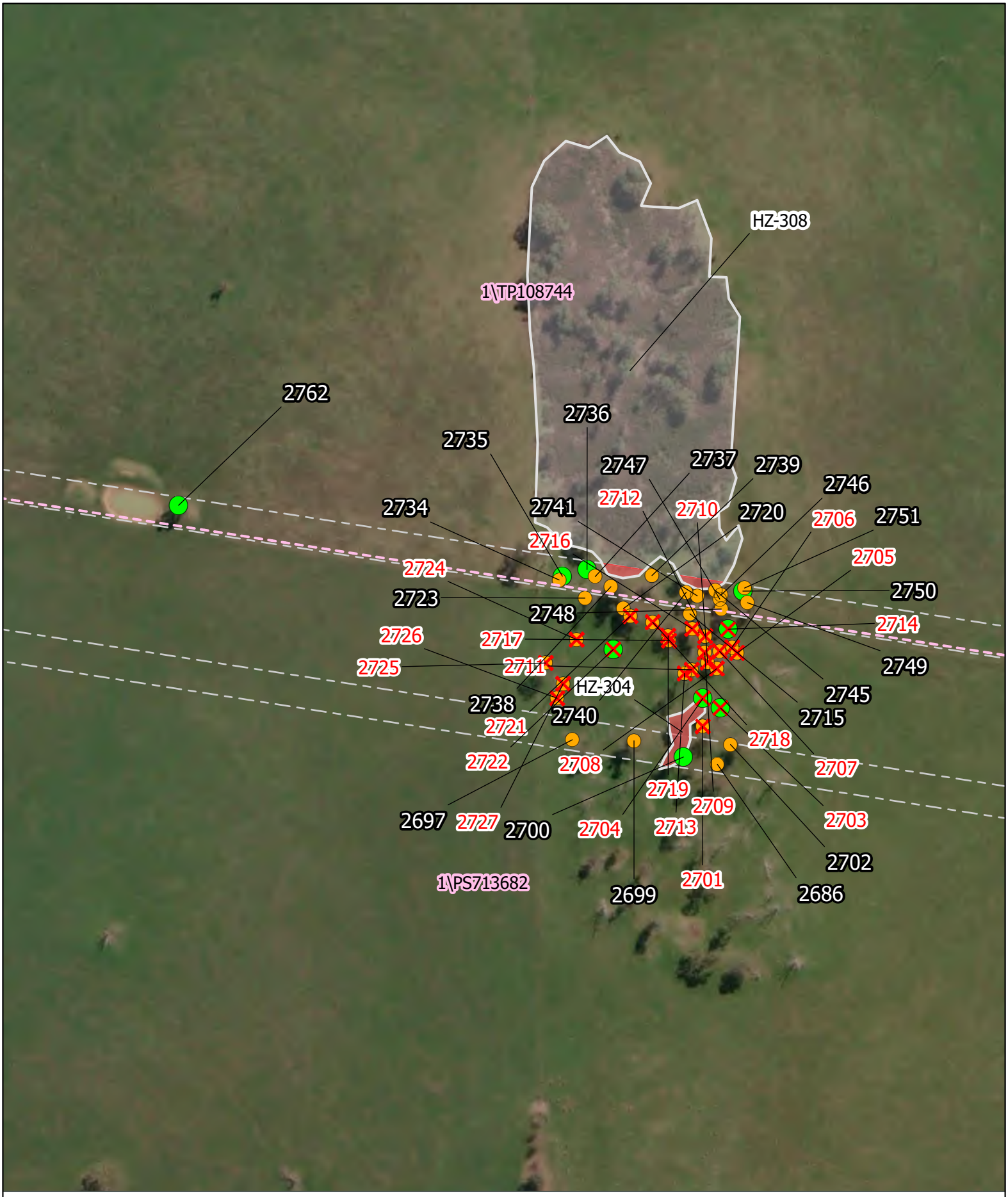


Figure 10-1_J: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Native vegetation

Large Scattered Tree

Small Scattered Tree

48 Heathy Woodland

Removal

Tree to be removed

Native patch to be removed

N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_K: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

No land access - DEECA modeled vegetation

Native vegetation

Large Scattered Tree

Small Scattered Tree

16 Lowland Forest

48 Heathy Woodland

Removal

Tree to be removed

Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_L: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

No land access - DEECA modeled vegetation

Native vegetation

Aerial mapped Tree

16 Lowland Forest

Removal

Tree to be removed

Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

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100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

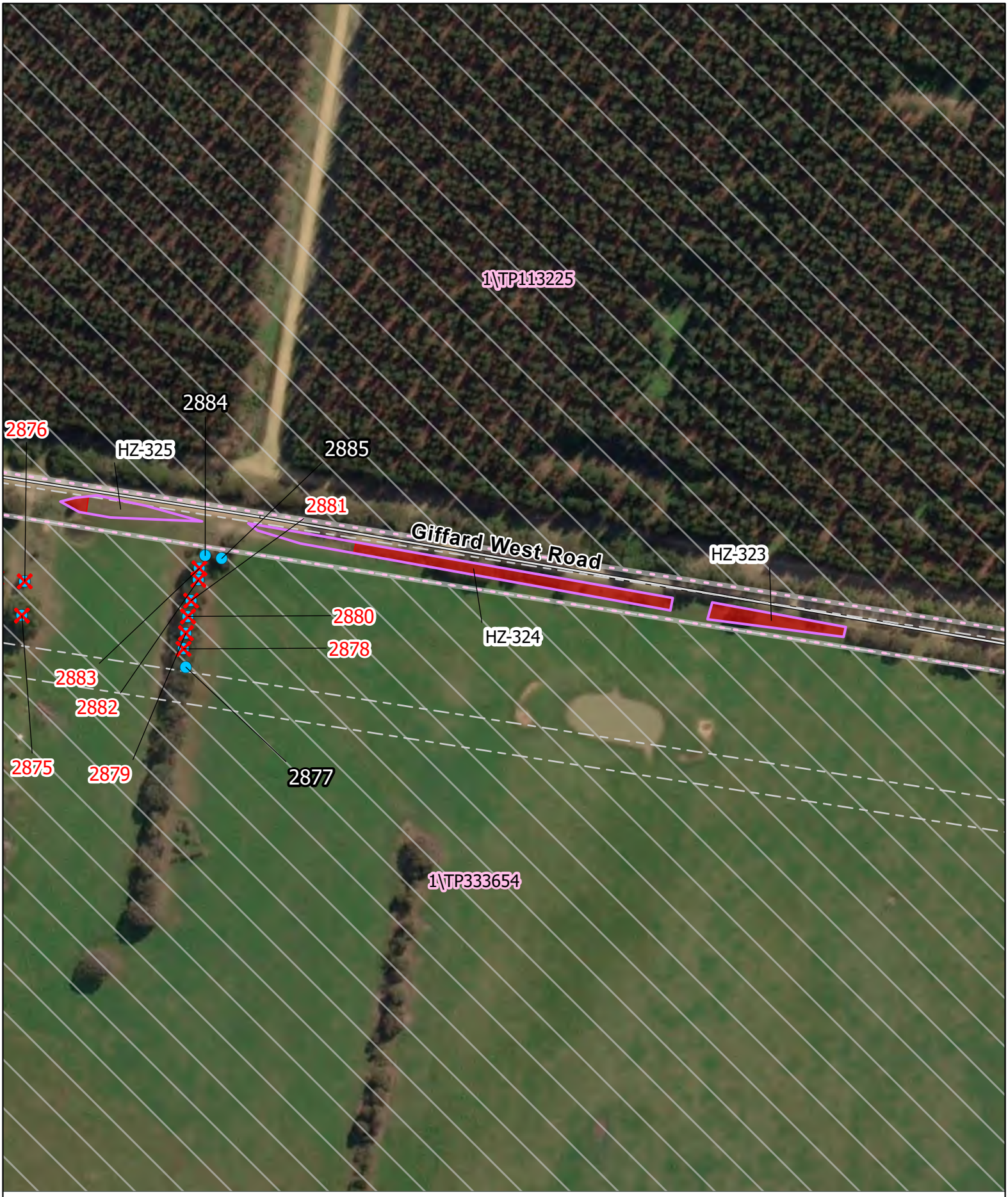


Figure 10-1_M: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

No land access - DEECA modeled vegetation

Native vegetation

Aerial mapped Tree

16 Lowland Forest

Removal

Tree to be removed

Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

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100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

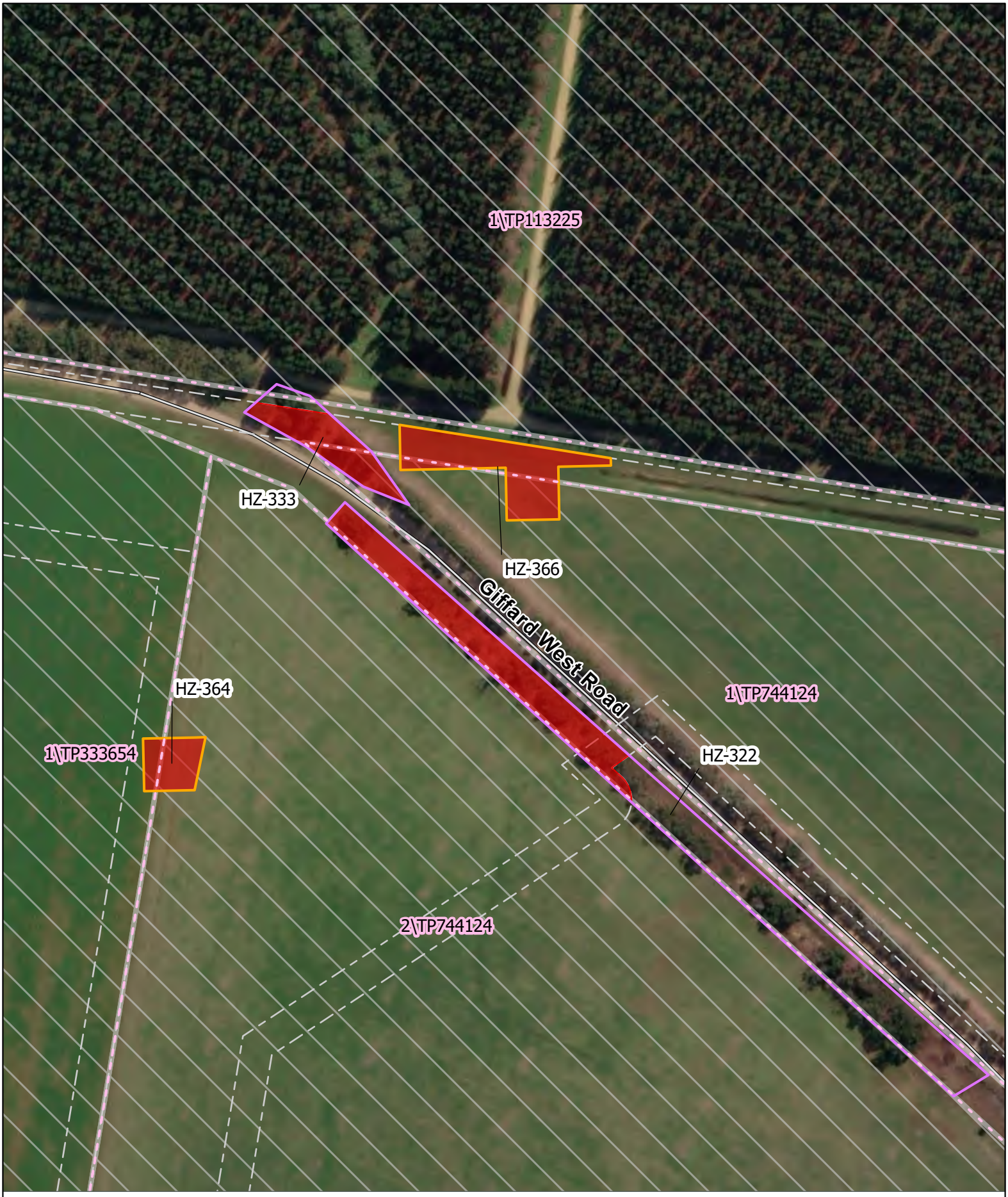


Figure 10-1_N: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

No land access - DEECA modeled vegetation

Native vegetation

16 Lowland Forest

698 Lowland Forest/ Heathy Woodland Mosaic

Removal

Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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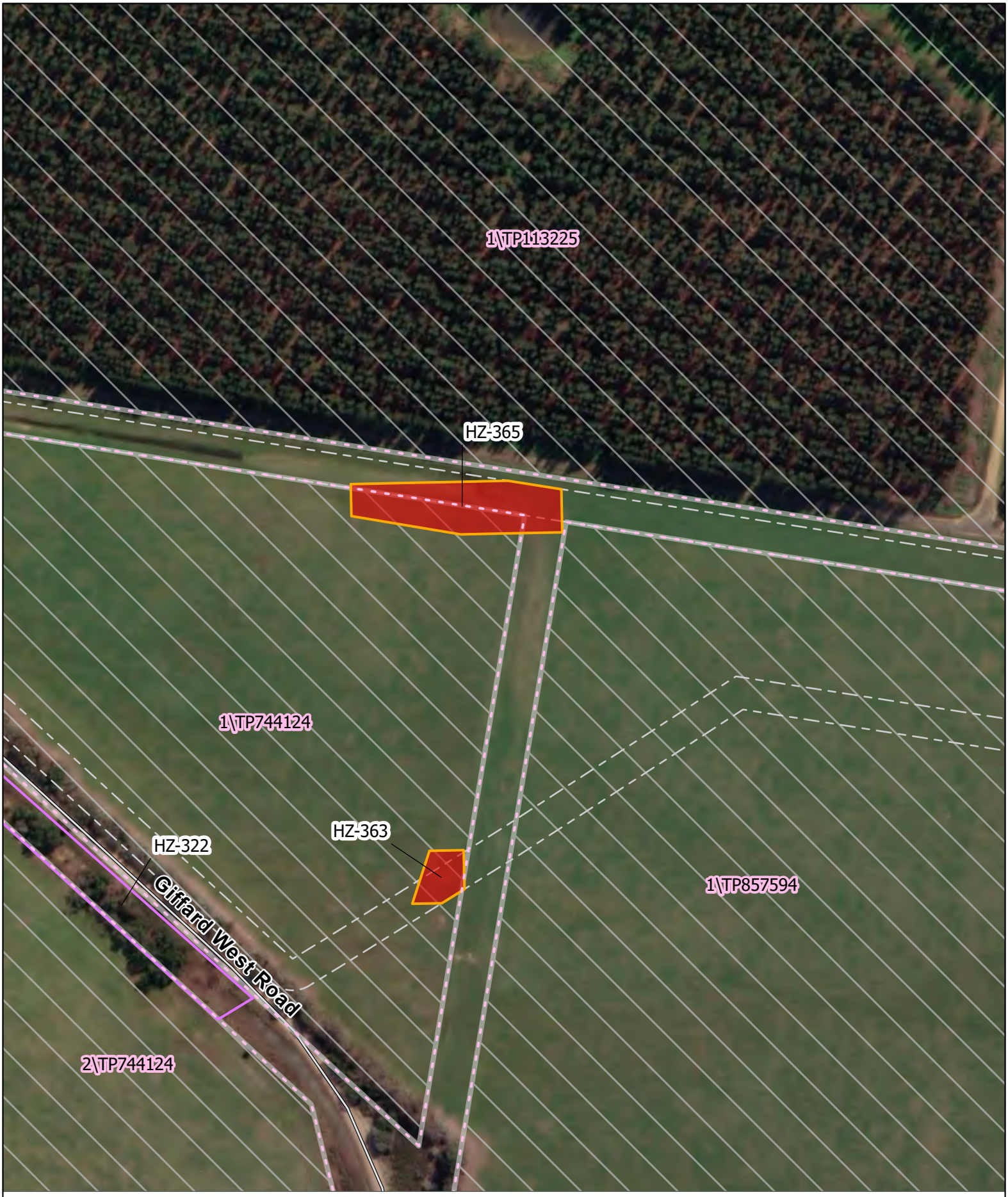


Figure 10-1_O: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

No land access - DEECA modeled vegetation

Native vegetation

16 Lowland Forest

698 Lowland Forest/ Heathy Woodland Mosaic

Removal

Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_P: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

No land access - DEECA modeled vegetation

Native vegetation

698 Lowland Forest/ Heathy Woodland Mosaic

Removal

Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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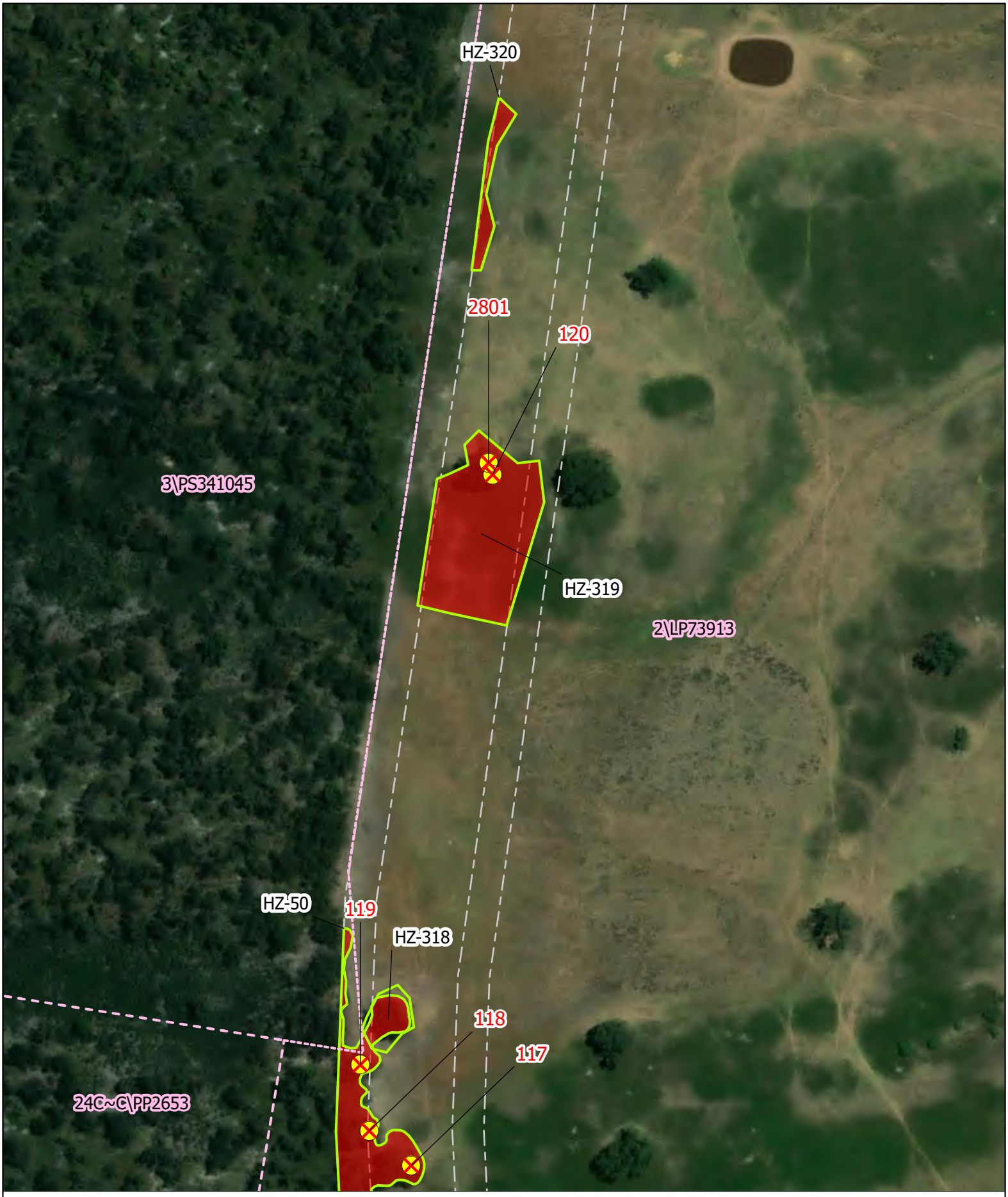


Figure 10-1_Q: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Native vegetation

Large Tree in Patch

151 Plains Grassy Forest

Removal

Tree to be removed

Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

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100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

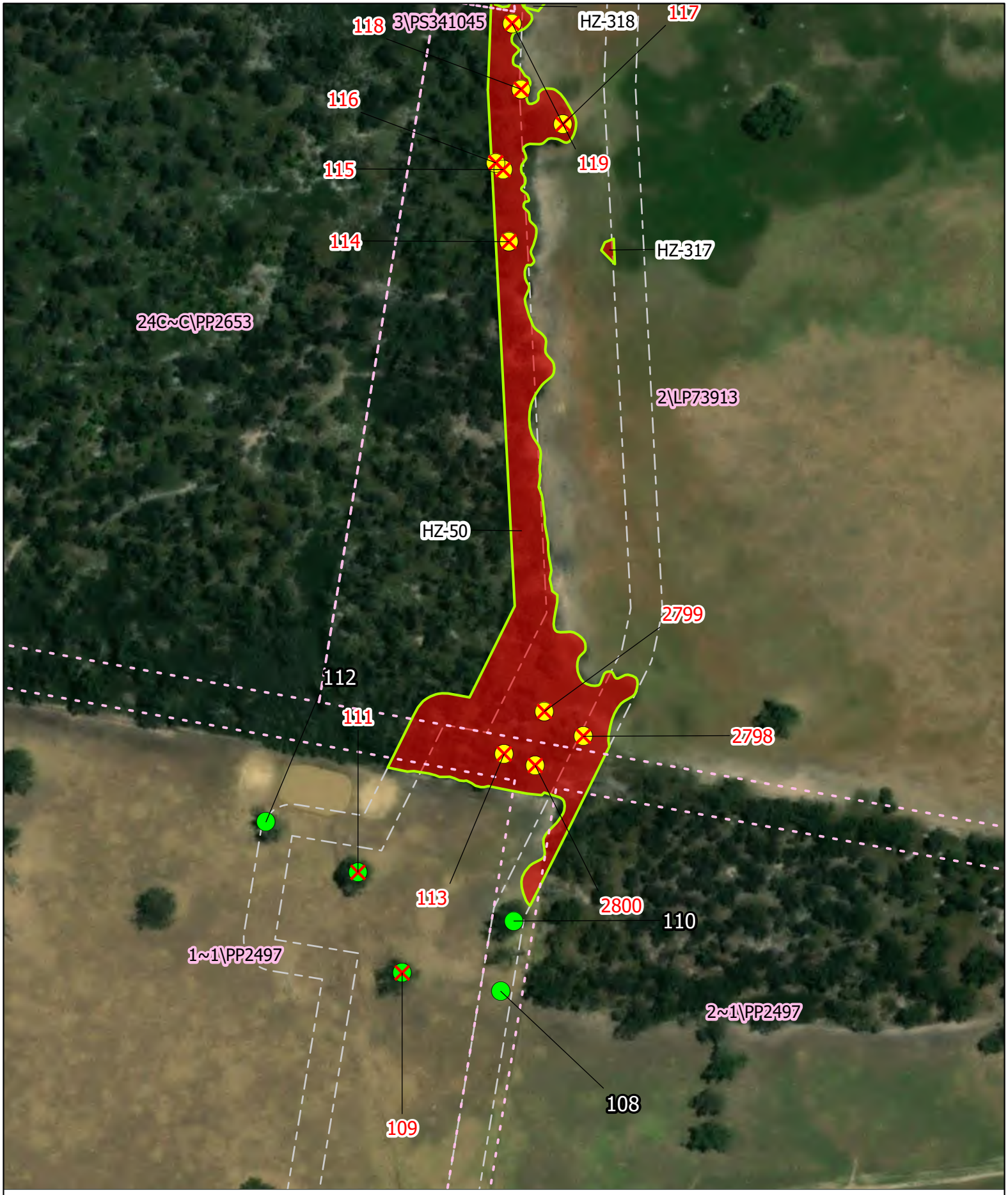


Figure 10-1_R: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Native vegetation

Large Tree in Patch

Large Scattered Tree

151 Plains Grassy Forest

Removal

Tree to be removed

Native patch to be removed

N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_S: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Native vegetation

151 Plains Grassy Forest

Removal

Native patch to be removed

N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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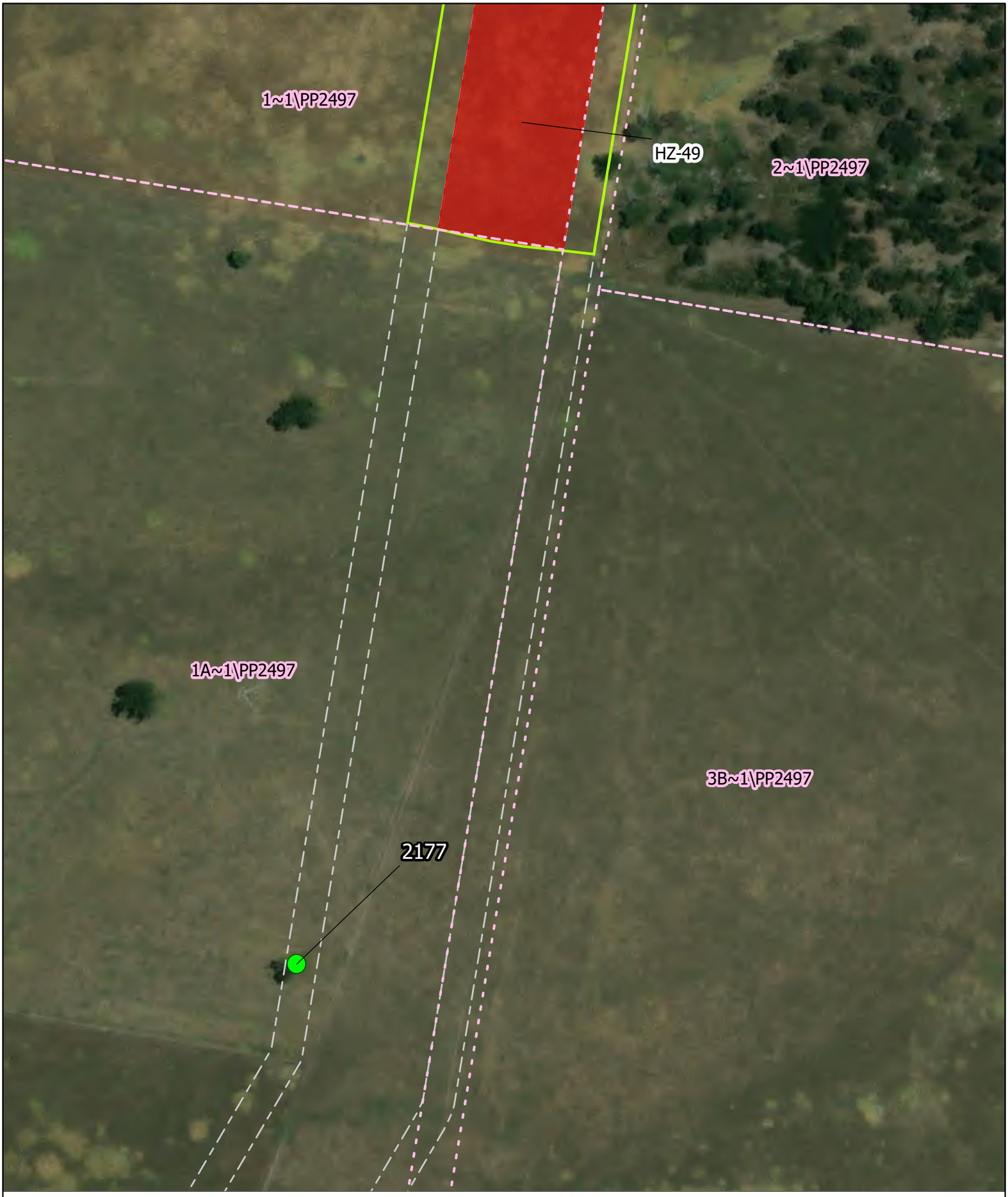


Figure 10-1_T: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Native vegetation

Large Scattered Tree

151 Plains Grassy Forest

Removal

Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

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100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

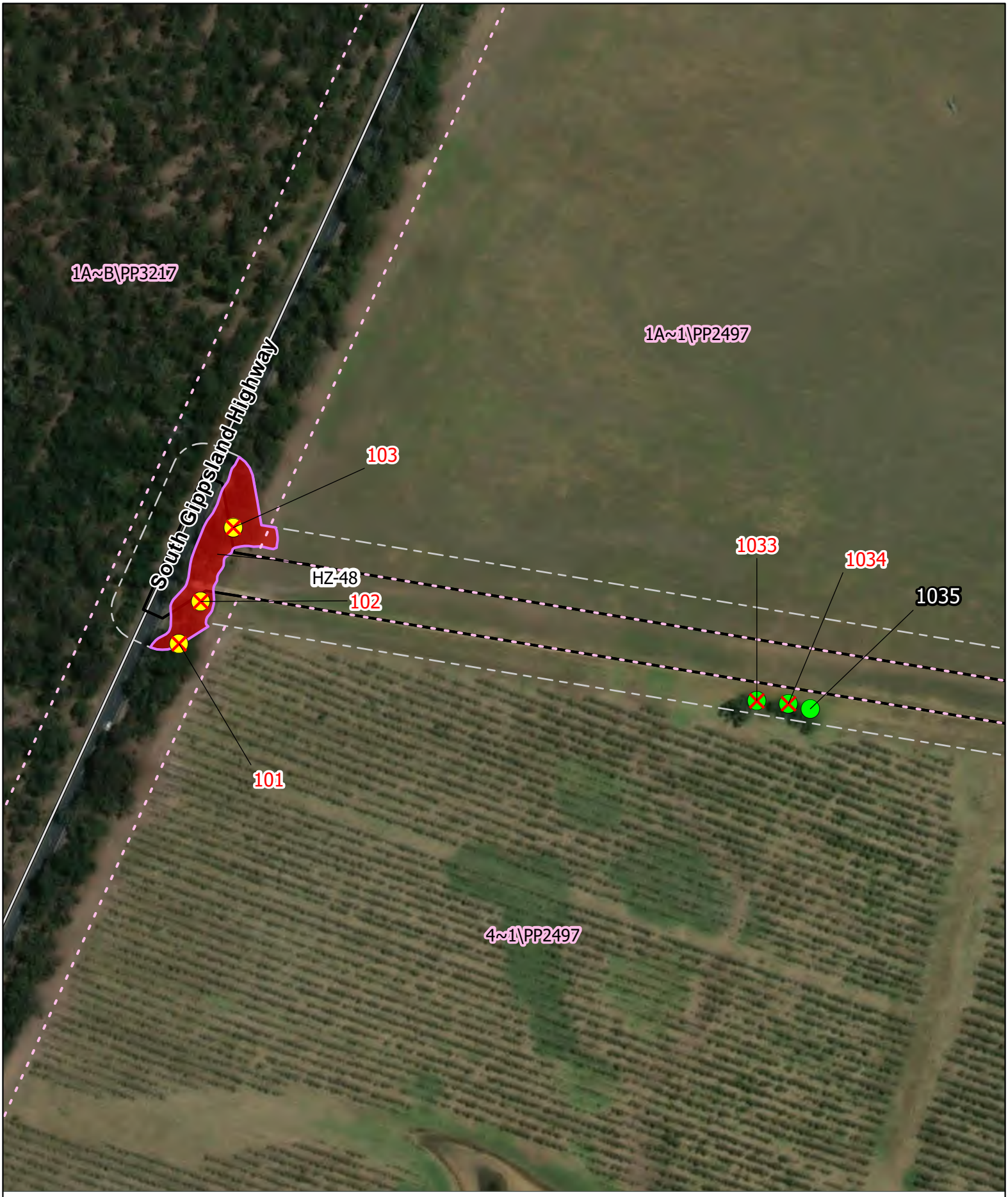


Figure 10-1_U: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- Large Tree in Patch
- Large Scattered Tree
- 16 Lowland Forest

Removal

- Tree to be removed
- Native patch to be removed

N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_V: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Common alignment

Native vegetation

Large Scattered Tree



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

Nature Advisory

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100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number



Figure 10-1_W: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- Large Scattered Tree
- 151 Plains Grassy Forest
- 53 Swamp Scrub



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_X: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Native vegetation

Large Scattered Tree

Removal

Tree to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_Y: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

No land access - DEECA modeled vegetation

Native vegetation

Large Scattered Tree

Removal

Tree to be removed

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

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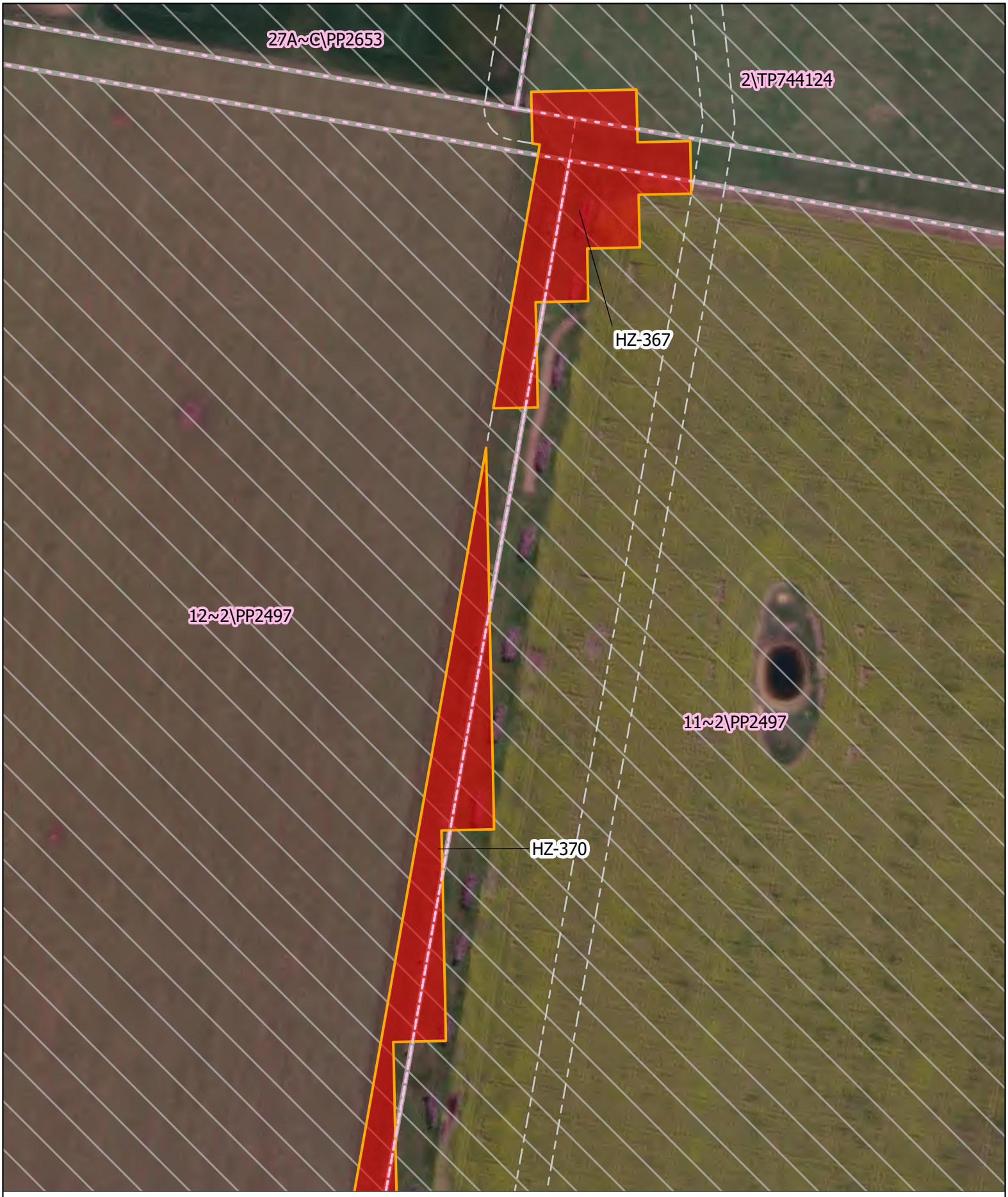


Figure 10-1_Z: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

No land access - DEECA modeled vegetation

Native vegetation

698 Lowland Forest/ Heathy Woodland Mosaic

Removal

Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

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100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number



Figure 10-1_AA: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

No land access - DEECA modeled vegetation

Native vegetation

191 Riparian Scrub

698 Lowland Forest/ Heathy Woodland Mosaic

Removal

Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_AB: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

No land access - DEECA modeled vegetation

Native vegetation

191 Riparian Scrub

698 Lowland Forest/ Heathy Woodland Mosaic

Removal

Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_AC: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- Large Tree in Patch
- Small Scattered Tree
- 151 Plains Grassy Forest

Removal

- Tree to be removed
- Native patch to be removed

N

Metres 0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_AD: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- Large Tree in Patch
- 151 Plains Grassy Forest

Removal

- Tree to be removed
- Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

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100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number



Figure 10-1_AE: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- Large Tree in Patch
- Large Scattered Tree
- 151 Plains Grassy Forest

Removal

- Tree to be removed
- Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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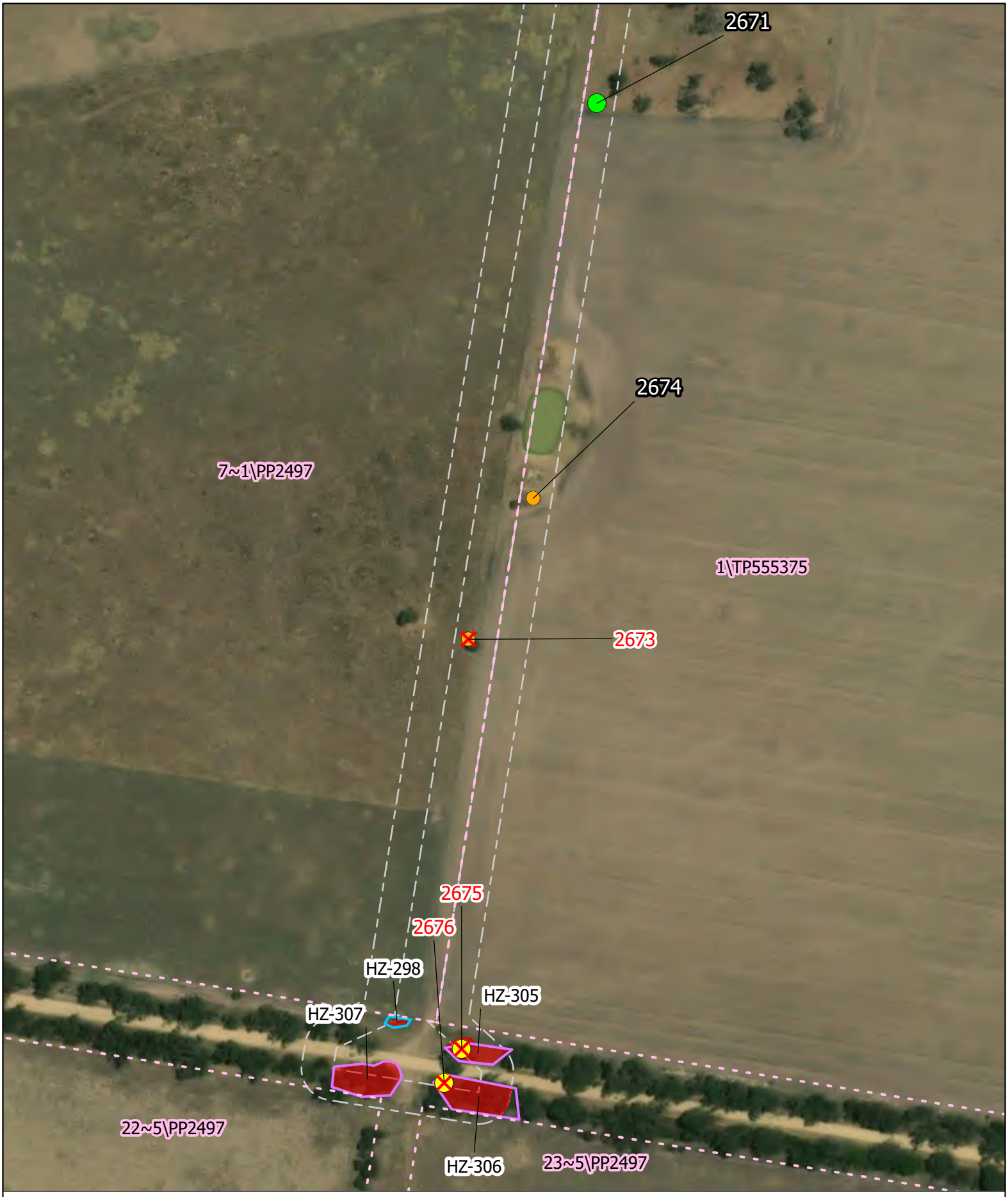


Figure 10-1_AF: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Native vegetation

Large Tree in Patch

Large Scattered Tree

Small Scattered Tree

16 Lowland Forest

53 Swamp Scrub

Removal

Tree to be removed

Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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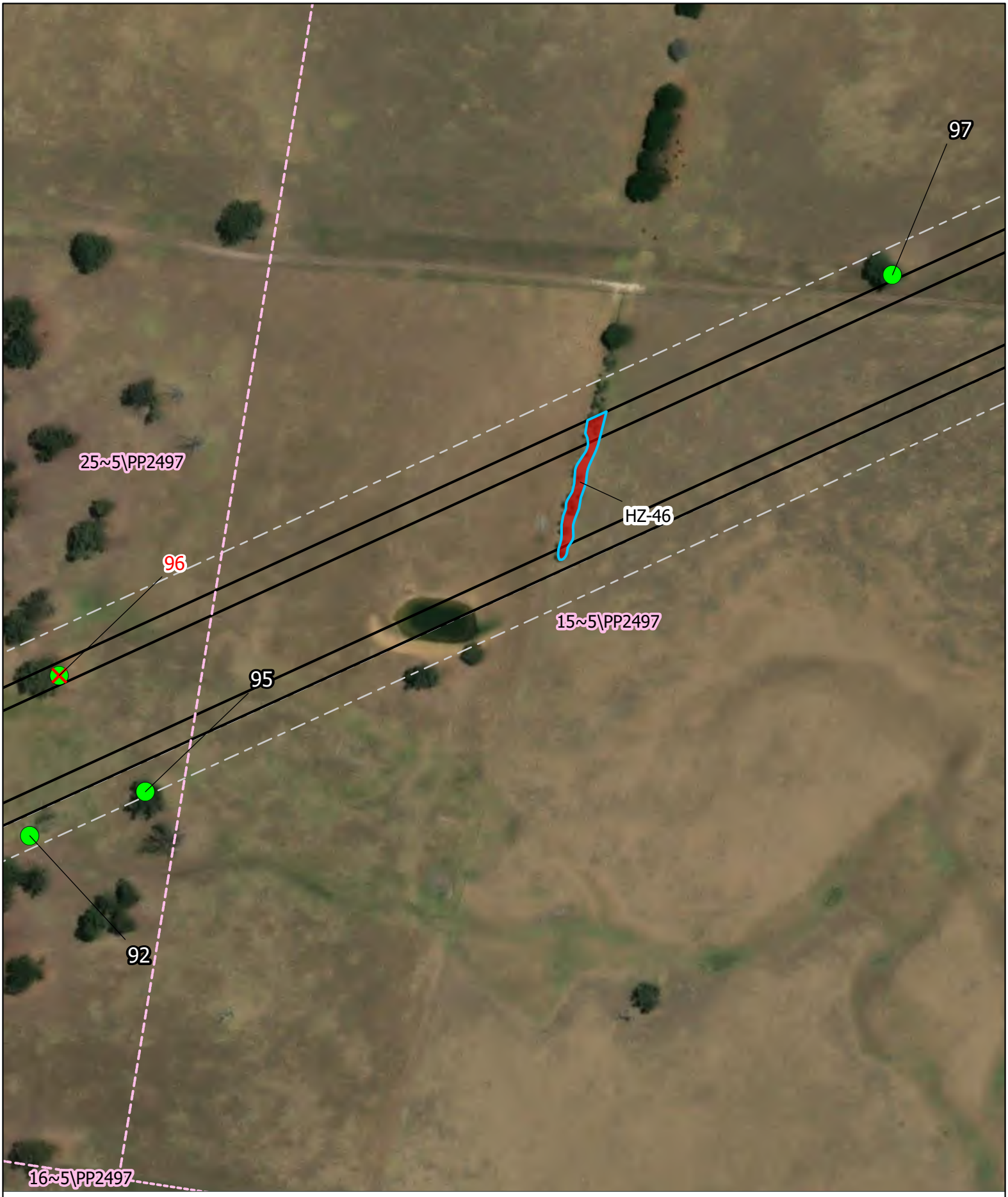


Figure 10-1_AG: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- Large Scattered Tree
- 53 Swamp Scrub

Removal

- Tree to be removed
- Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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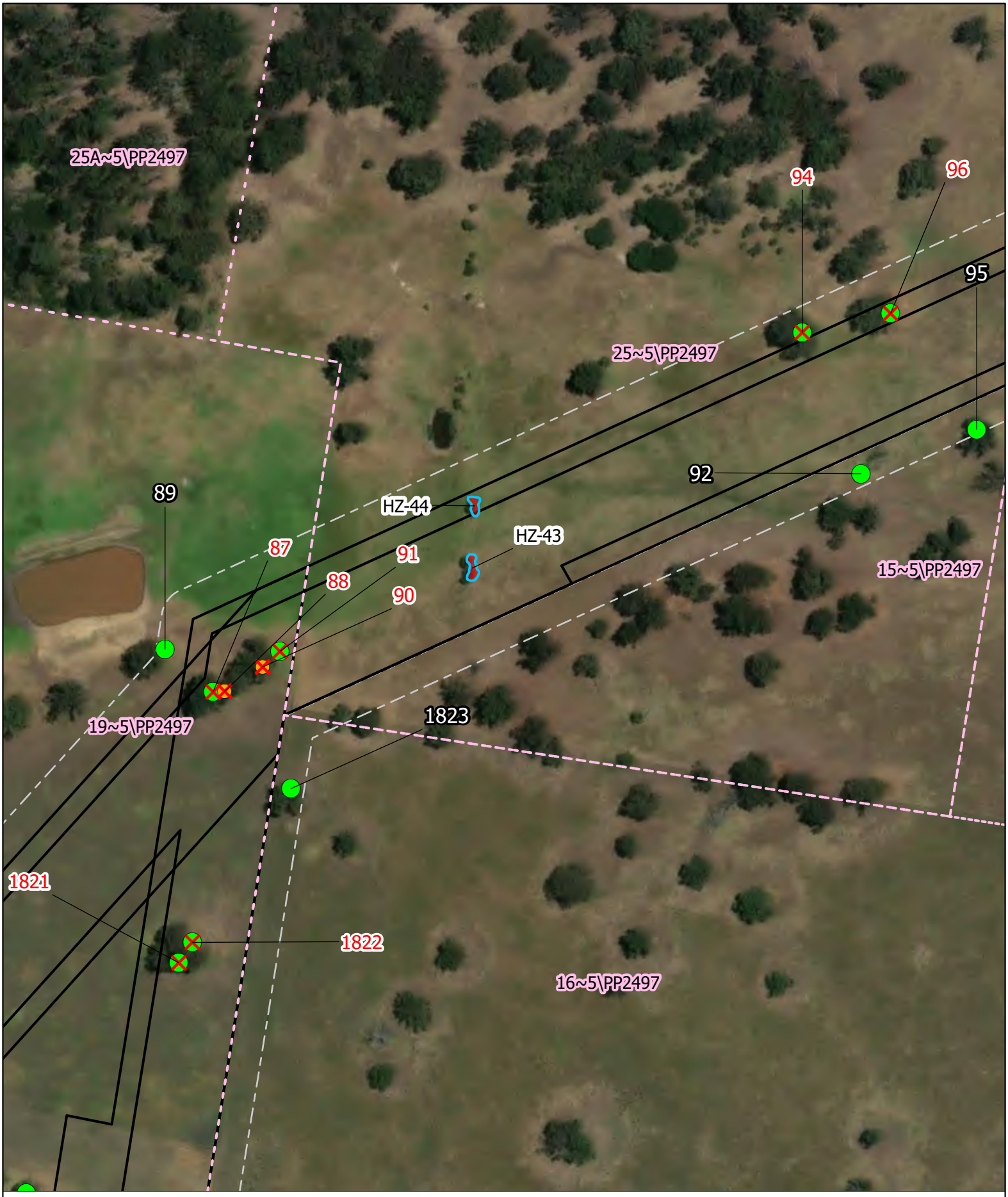


Figure 10-1_AH: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- Large Scattered Tree
- Small Scattered Tree
- 53 Swamp Scrub

Removal

- Tree to be removed
- Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

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100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

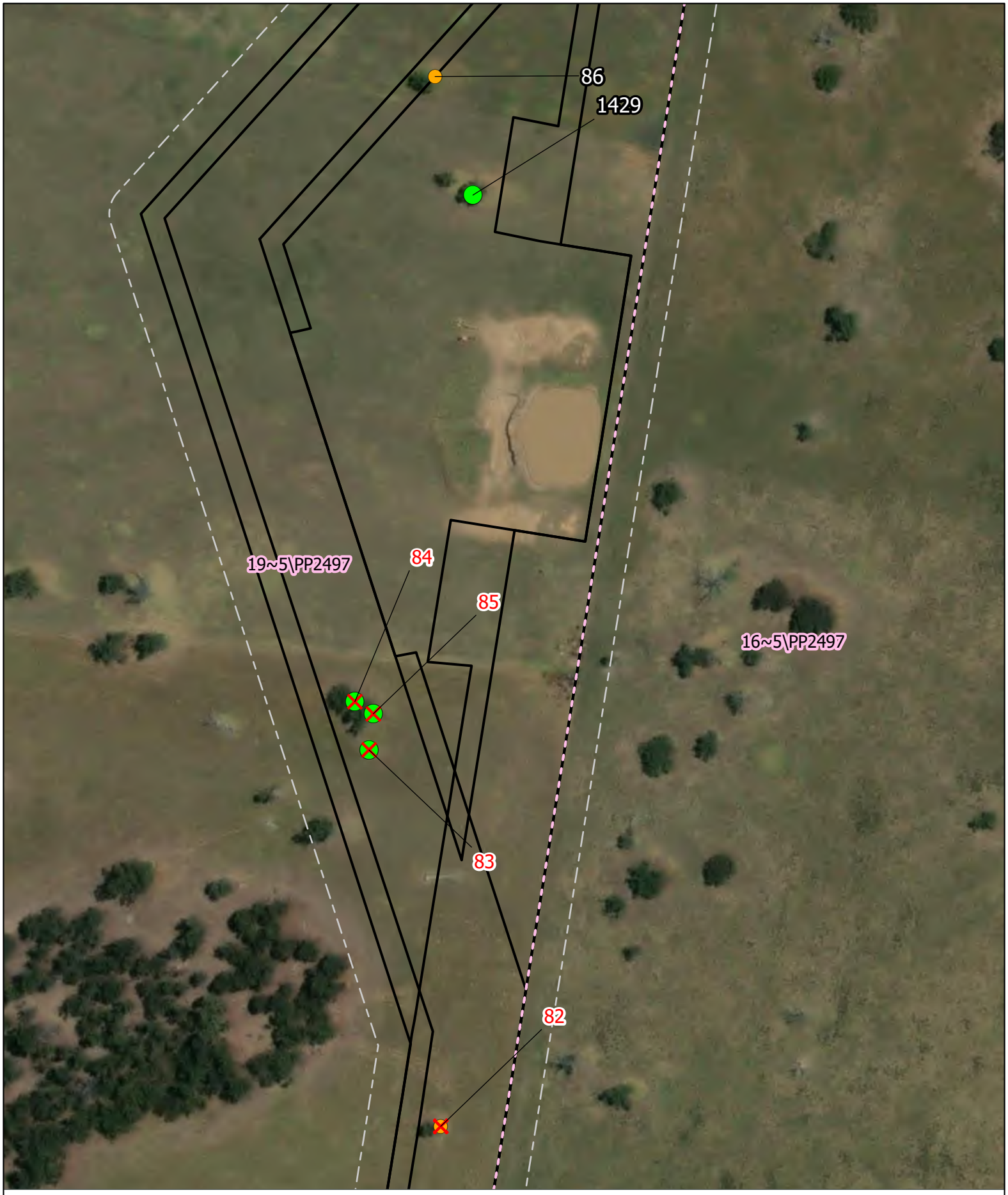


Figure 10-1_AI: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Common alignment

Native vegetation

Large Scattered Tree

Small Scattered Tree

Removal

Tree to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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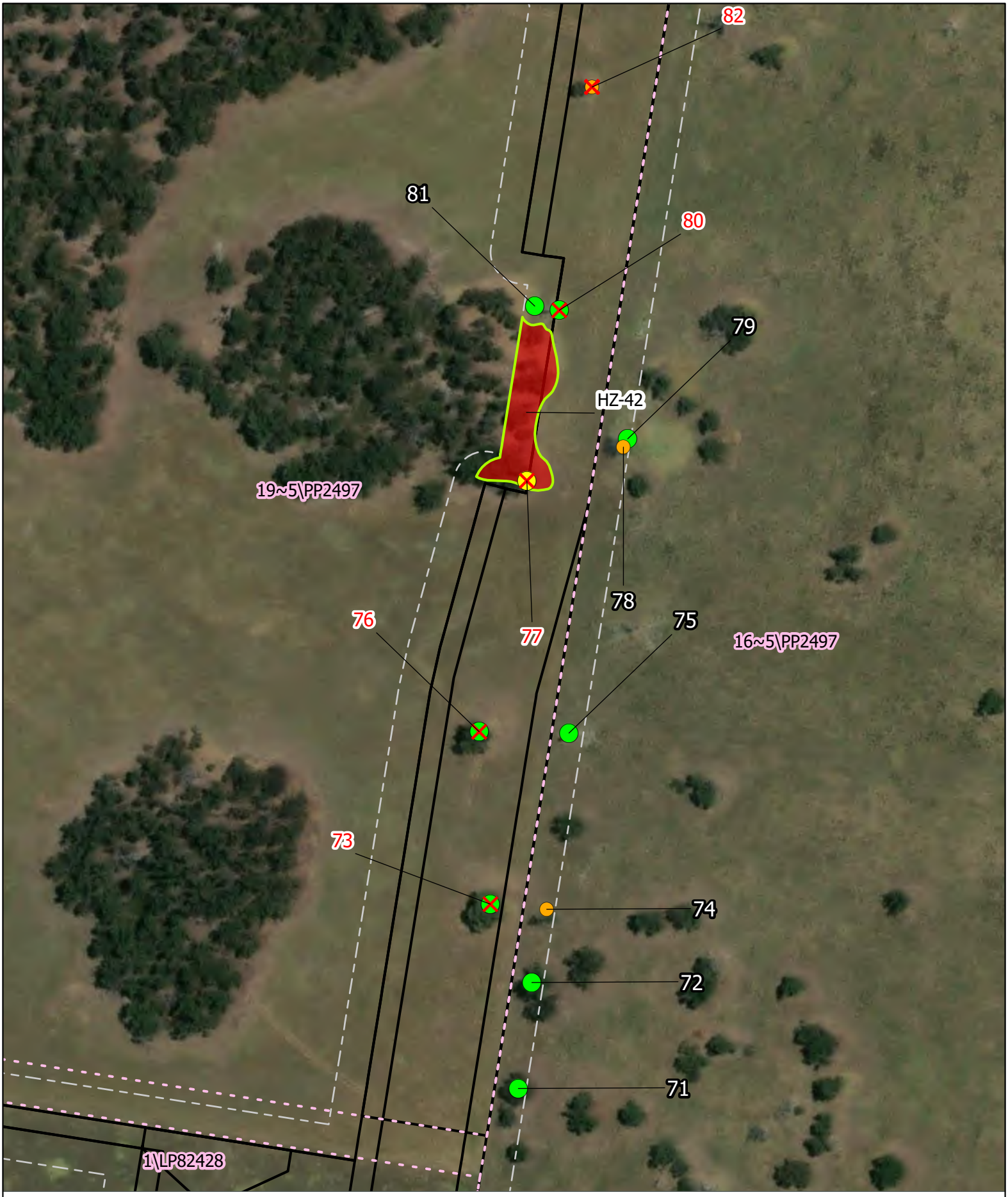


Figure 10-1_AJ: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- Large Tree in Patch
- Large Scattered Tree
- Small Scattered Tree
- 151 Plains Grassy Forest

Removal

- Tree to be removed
- Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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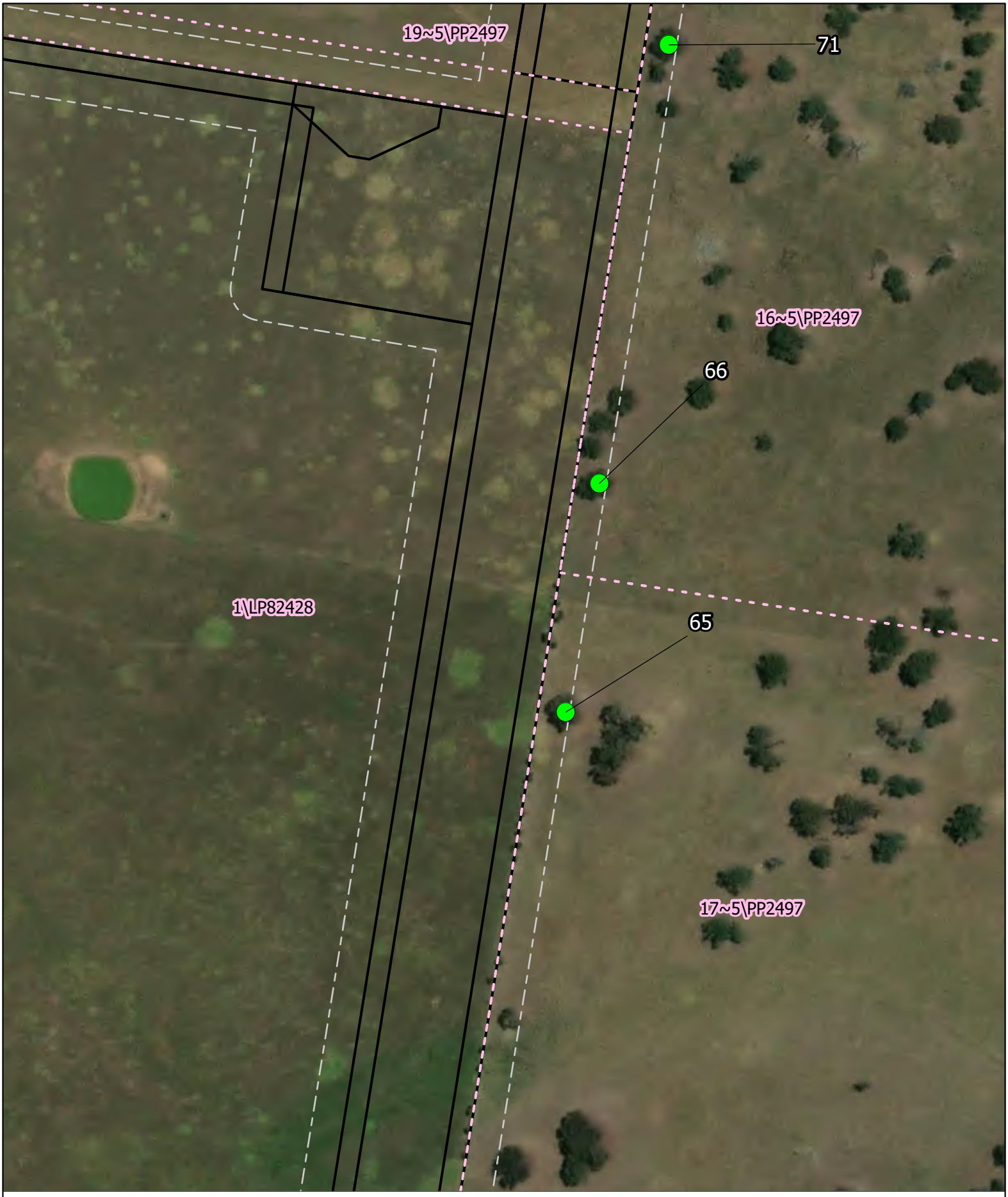


Figure 10-1_AK: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Common alignment

Native vegetation

Large Scattered Tree

N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_AL: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- Large Tree in Patch
- 151 Plains Grassy Forest

Removal

- Tree to be removed
- Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_AM: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Common alignment

Native vegetation

Large Scattered Tree

Removal

Tree to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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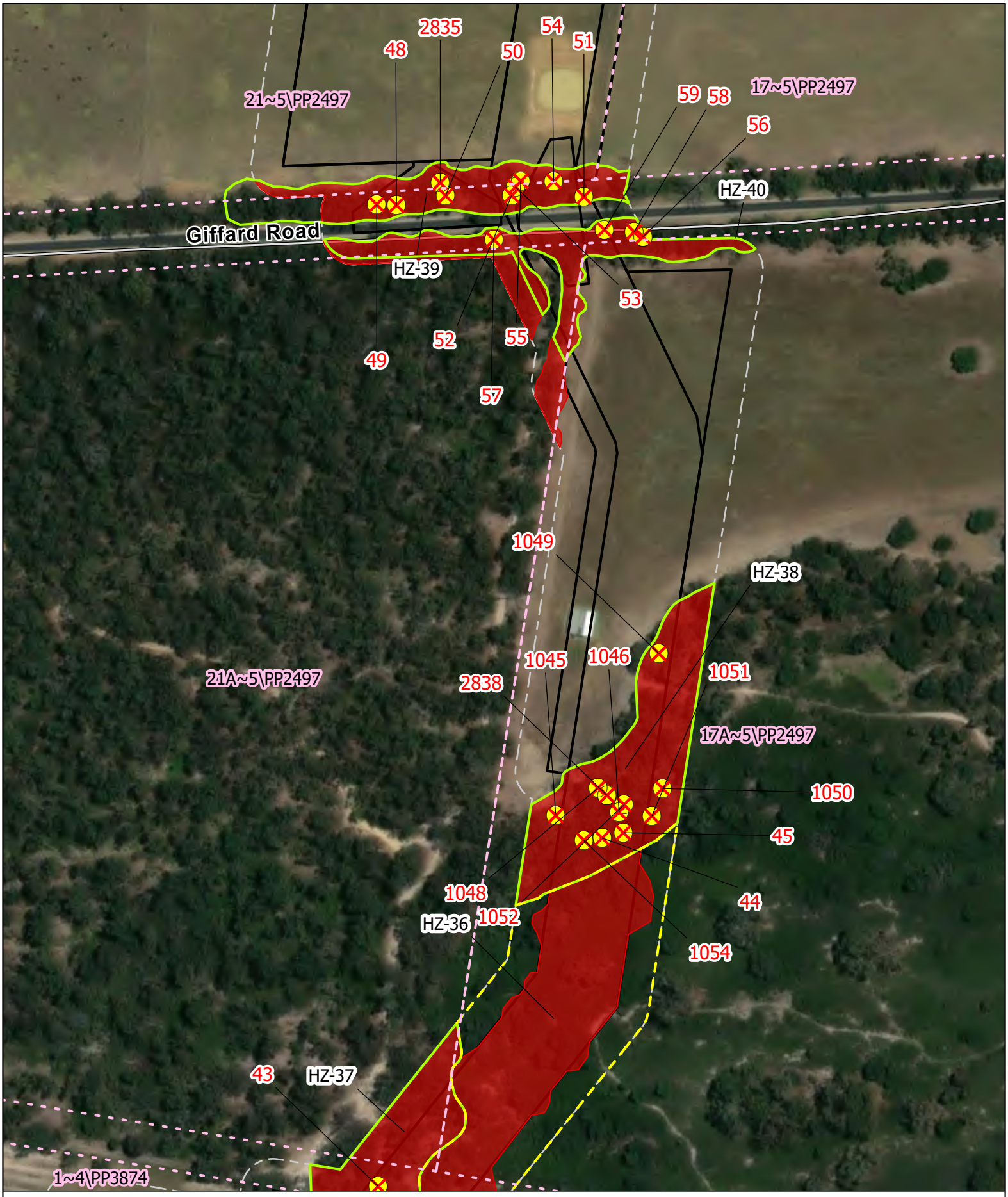


Figure 10-1_AN: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- Large Tree in Patch
- 151 Plains Grassy Forest
- 191 Riparian Scrub

Removal

- Tree to be removed
- Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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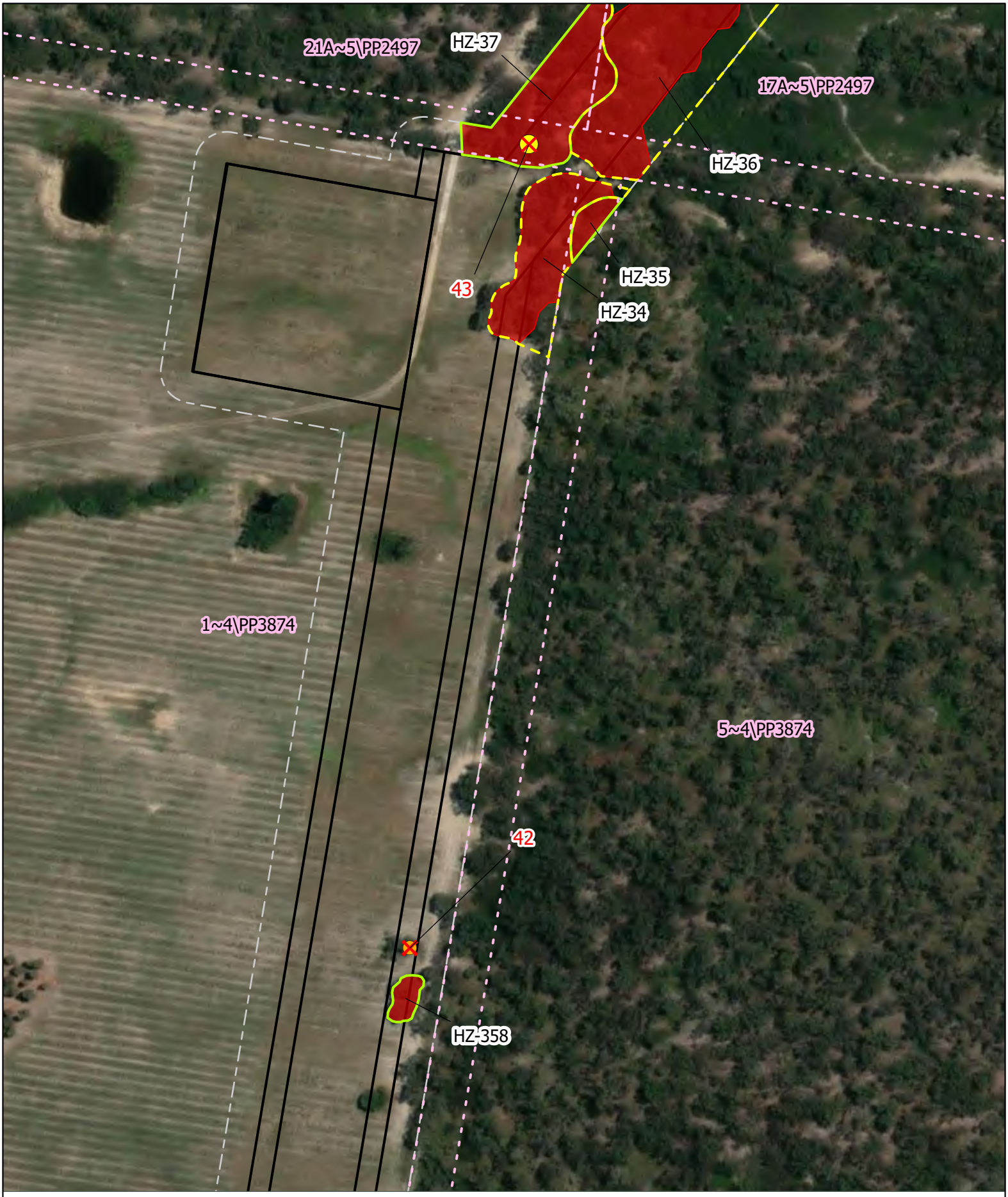


Figure 10-1_AO: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- Large Tree in Patch
- Small Scattered Tree
- 151 Plains Grassy Forest
- 191 Riparian Scrub

Removal

- Tree to be removed
- Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_AP: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- Large Tree in Patch
- Large Scattered Tree
- 151 Plains Grassy Forest

Removal

- Tree to be removed
- Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_AQ: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- Large Tree in Patch
- 151 Plains Grassy Forest

Removal

- Tree to be removed
- Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_AR: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Common alignment

Native vegetation

Large Scattered Tree

Small Scattered Tree

Removal

Tree to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_AS: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- Large Scattered Tree
- Small Scattered Tree
- 151 Plains Grassy Forest

Removal

- Tree to be removed
- Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_AT: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- Large Tree in Patch
- Large Scattered Tree
- 151 Plains Grassy Forest

Removal

- Tree to be removed
- Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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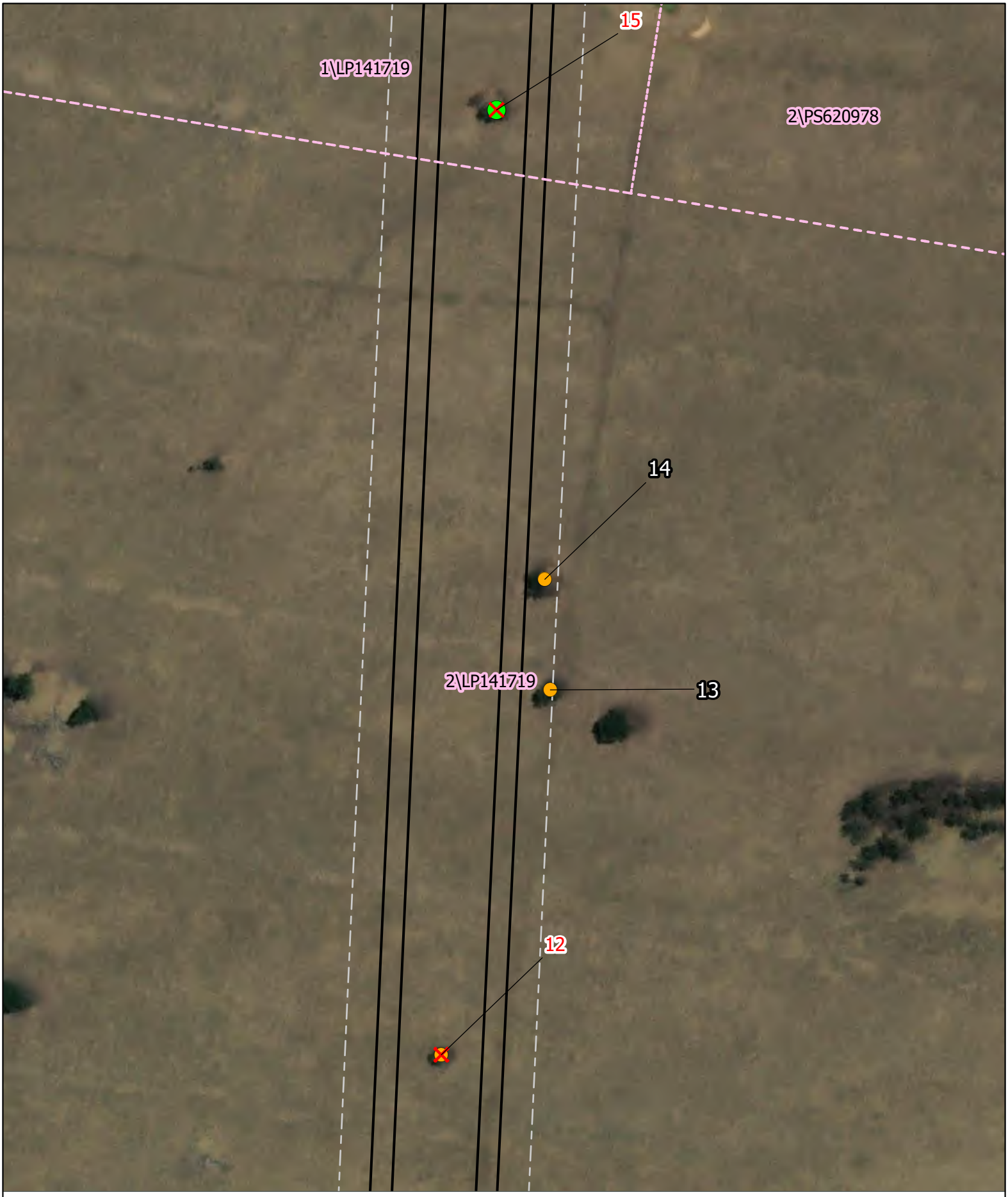


Figure 10-1_AU: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Common alignment

Native vegetation

Large Scattered Tree

Small Scattered Tree

Removal

Tree to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_AV: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- Large Tree in Patch
- Small Scattered Tree
- 151 Plains Grassy Forest

Removal

- Tree to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_AW: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Common alignment

Native vegetation

151 Plains Grassy Forest

Removal

Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_AX: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- 151 Plains Grassy Forest

Removal

- Native patch to be removed

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

N

Metres

0 20 40 60

GDA2020 MGA Zone 55

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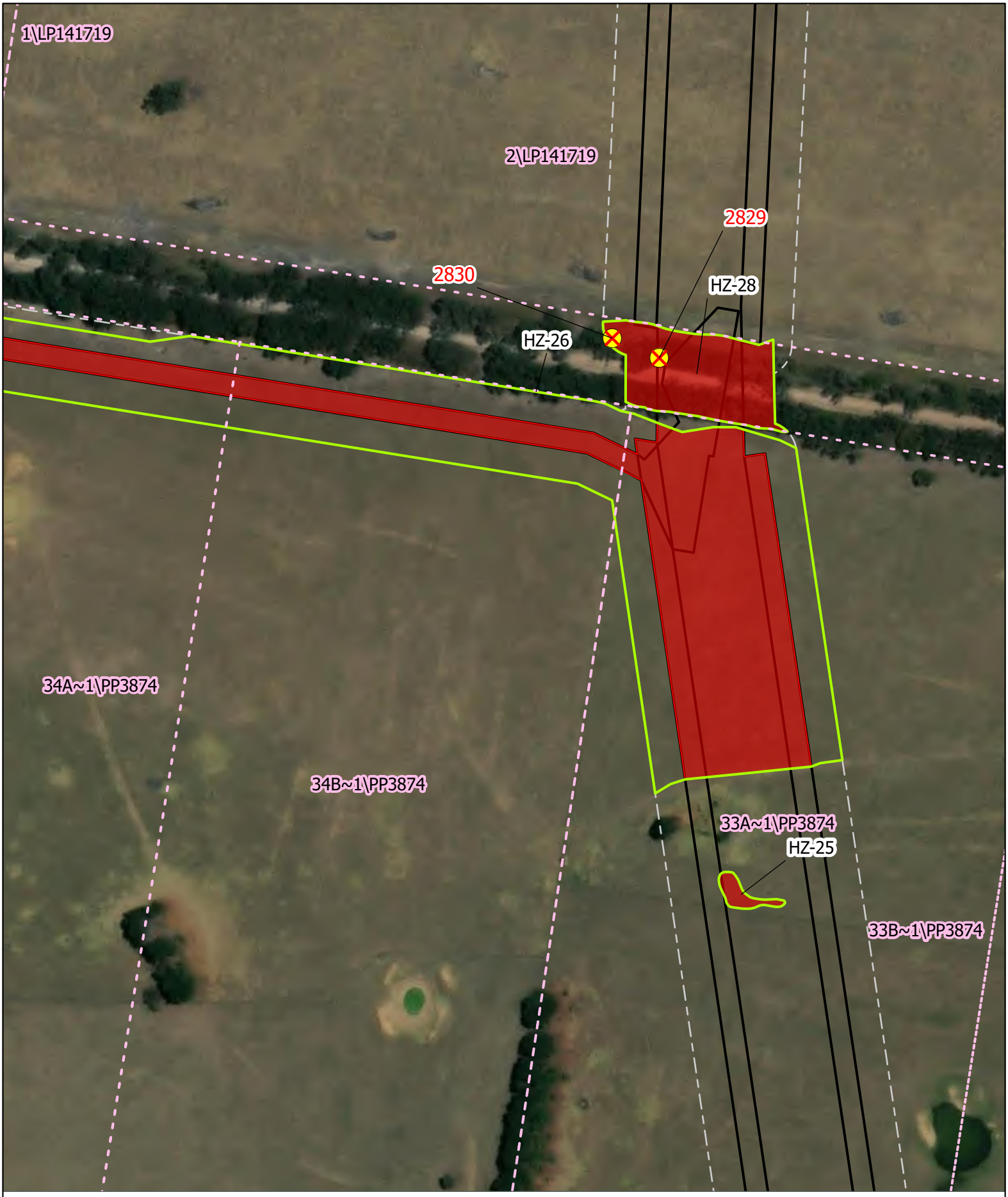


Figure 10-1_AY: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- Large Tree in Patch
- 151 Plains Grassy Forest

Removal

- Tree to be removed
- Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_AZ: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Common alignment

Native vegetation

151 Plains Grassy Forest

Removal

Native patch to be removed

N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_BA: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- Large Tree in Patch
- 151 Plains Grassy Forest

Removal

- Tree to be removed
- Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_BB: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- Large Tree in Patch
- 151 Plains Grassy Forest

Removal

- Tree to be removed
- Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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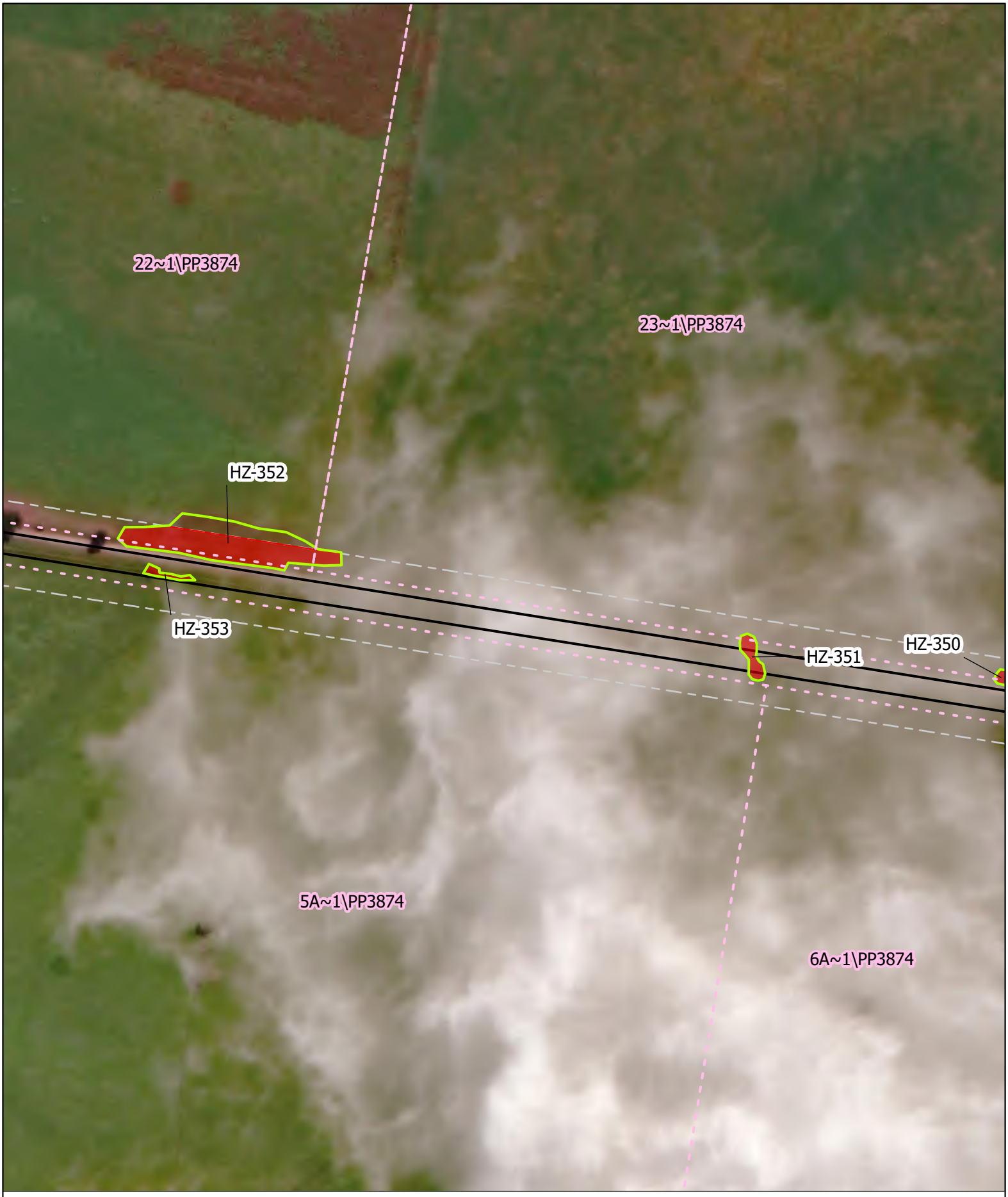


Figure 10-1_BC: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Common alignment

Native vegetation

151 Plains Grassy Forest

Removal

Native patch to be removed

N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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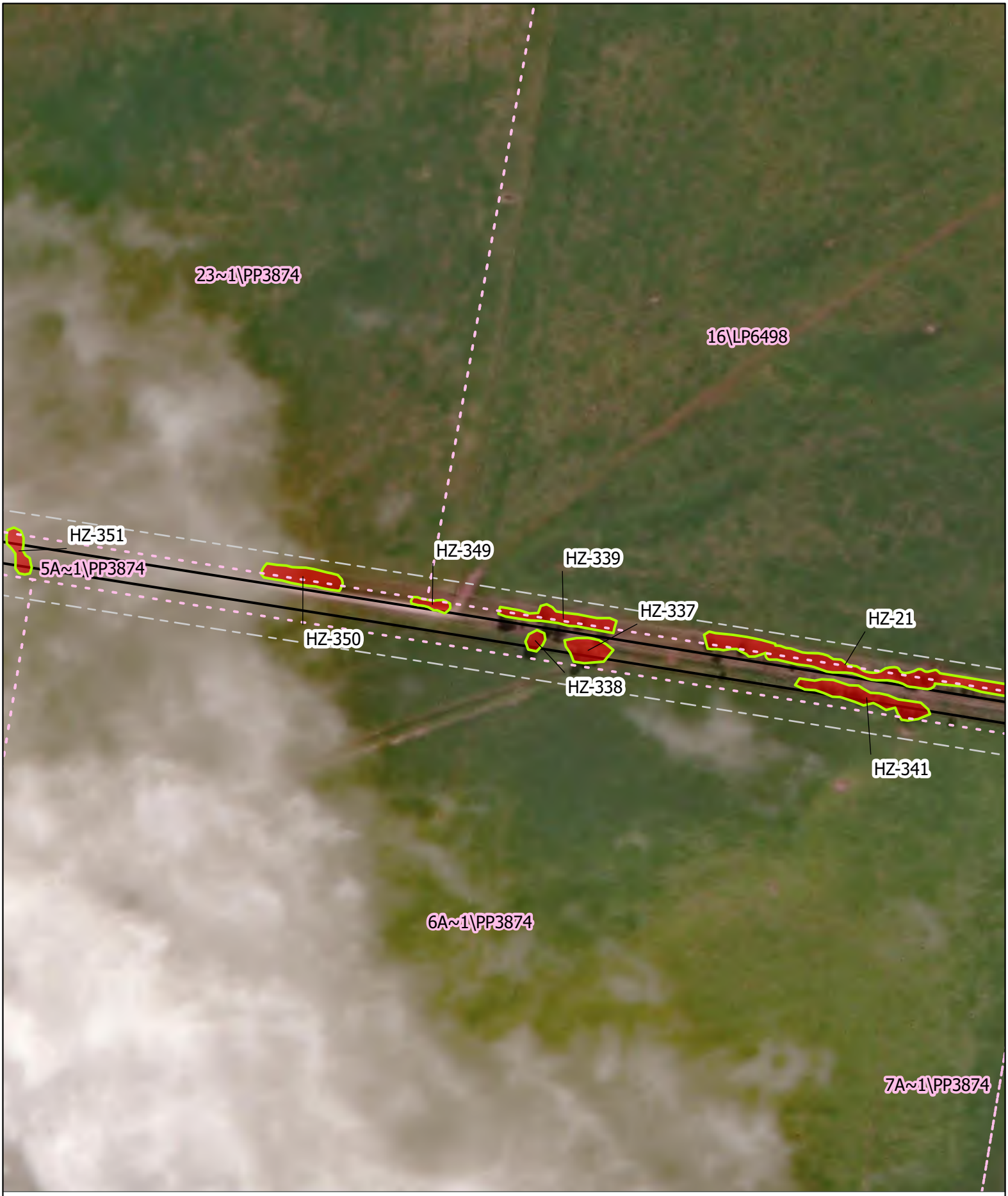


Figure 10-1_BD: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Common alignment

Native vegetation

151 Plains Grassy Forest

Removal

Native patch to be removed

N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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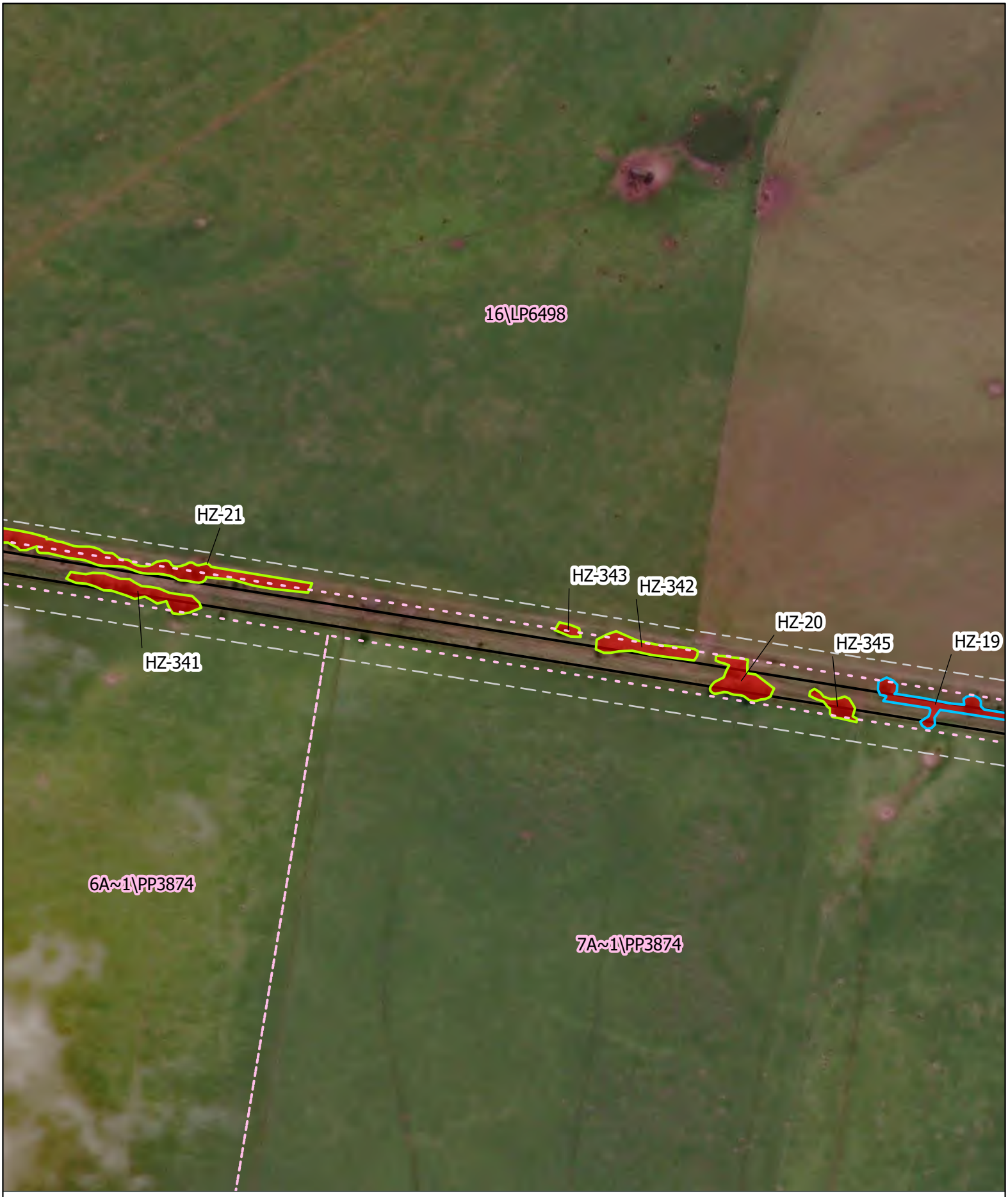


Figure 10-1_BE: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- 151 Plains Grassy Forest
- 53 Swamp Scrub

Removal

- Native patch to be removed

N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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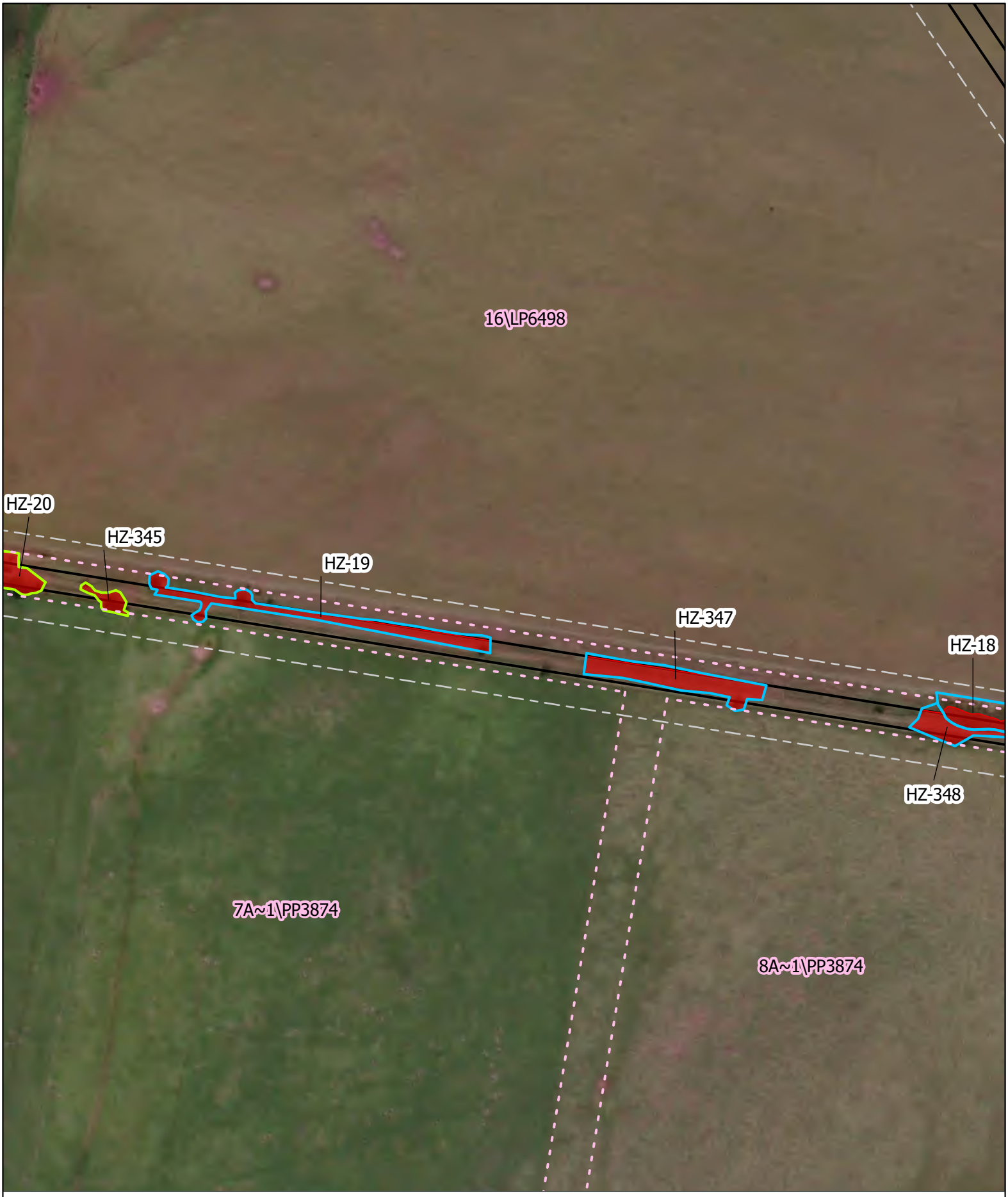


Figure 10-1_BF: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- 151 Plains Grassy Forest
- 53 Swamp Scrub

Removal

- Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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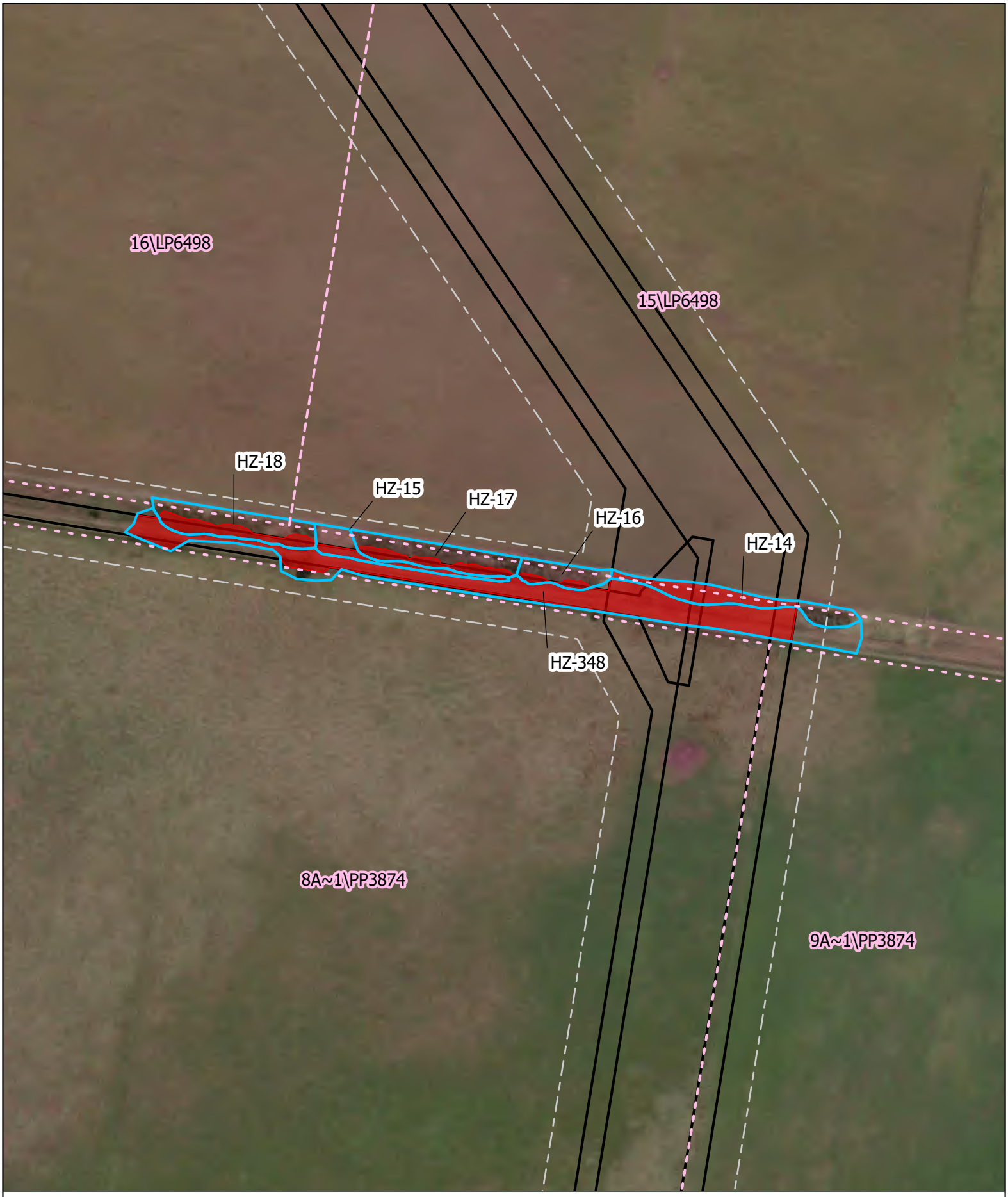


Figure 10-1_BG: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- 53 Swamp Scrub

Removal

- Native patch to be removed

N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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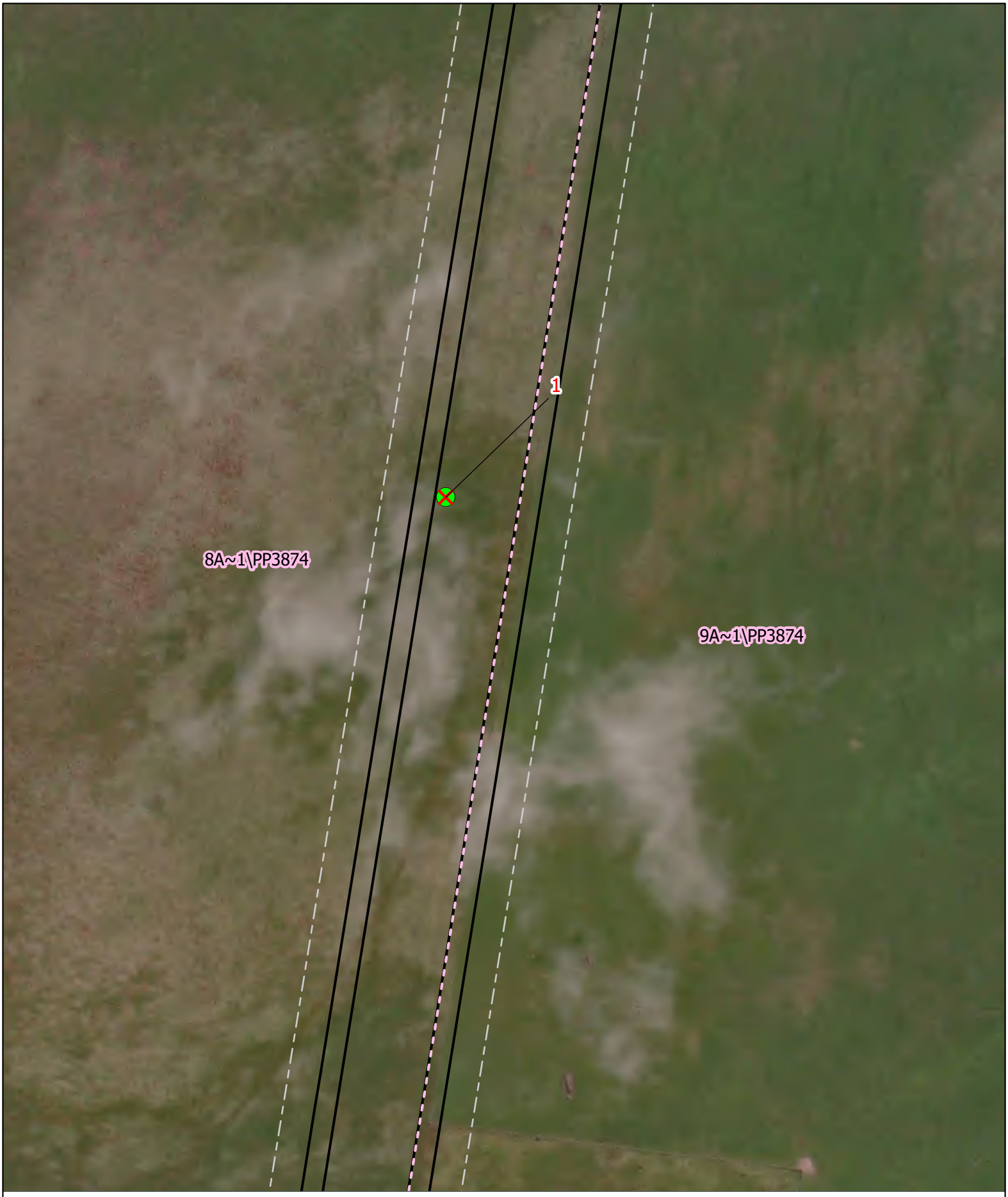


Figure 10-1_BH: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Common alignment

Native vegetation

Large Scattered Tree

Removal

Tree to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

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100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

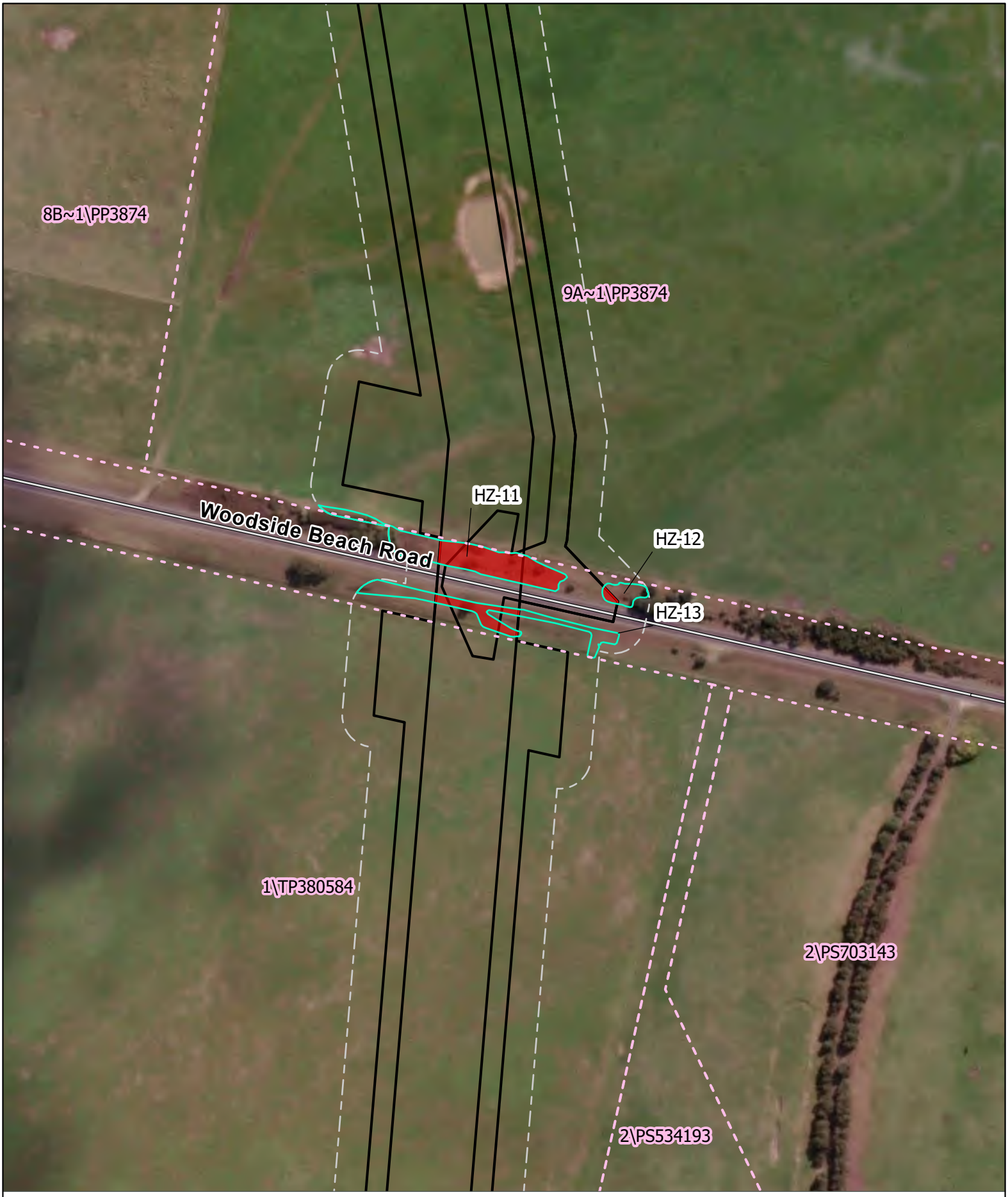


Figure 10-1_BI: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- 3 Damp Sands Herb-rich Woodland

Removal

- Native patch to be removed

N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_BJ: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- 53 Swamp Scrub

Removal

- Native patch to be removed

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

N

Metres

0 20 40 60

GDA2020 MGA Zone 55

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Figure 10-1_BK: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Common alignment

Native vegetation

DEECA wetland



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

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100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number



Figure 10-1_BL: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

Buffer for deemed loss calculations

Common alignment

Native vegetation

10 Estuarine Wetland

Removal

Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_BM: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- 10 Estuarine Wetland
- 160 Coastal Dune Scrub
- 3 Damp Sands Herb-rich Woodland

Removal

- Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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Figure 10-1_BN: Native vegetation impacts within project area

Project No: 19200_09 **Project**: SOTS, VIC **Date**: 13/11/2025

Project area

Alignment

- Buffer for deemed loss calculations
- Common alignment

Native vegetation

- 10 Estuarine Wetland
- 160 Coastal Dune Scrub
- 2 Coast Banksia Woodland

Removal

- Native patch to be removed



N

Metres

0 20 40 60

GDA2020 MGA Zone 55

100 : Tree number label 100 : Tree removal number label 100 : Patch number 100 : Property SPI number

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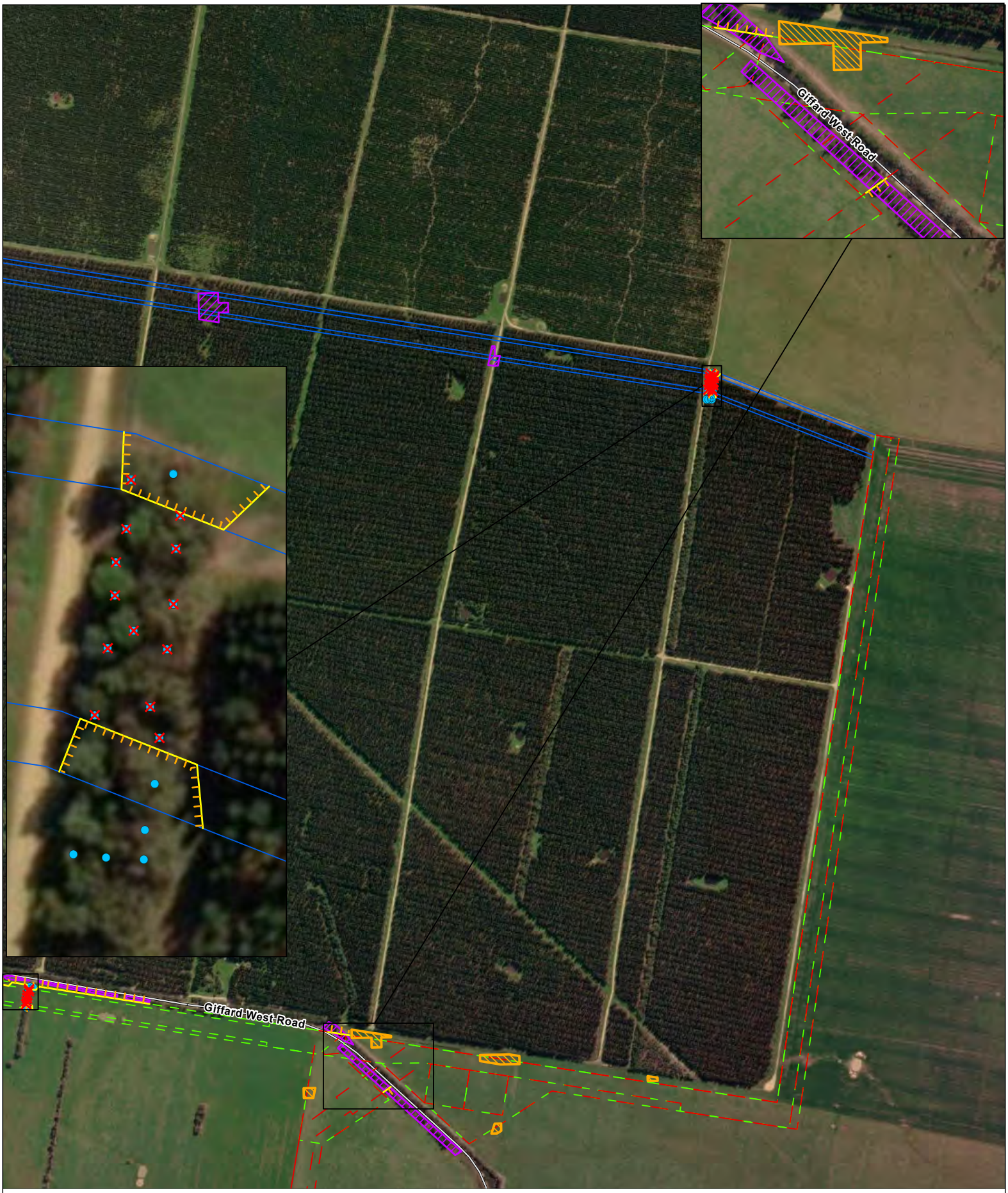


Figure 14-1_A: No go zone area

Project No: 19200_09 **Project**: SOTS **Date**: 14/11/2025

Project area

AlighnmentType

- AB
- C
- D

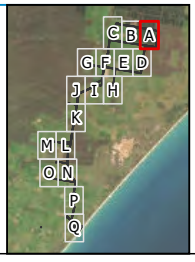
- No go zone

Native vegetation

- Aerial mapped Tree
- 16 Lowland Forest
- 698 Lowland Forest/ Heathy Woodland Mosaic

Removal

- Tree to be removed



N

Metres

0 100 200 300 400

GDA2020 MGA Zone 55

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Figure 14-1_B: No go zone area

Project No: 19200_09 **Project**: SOTS **Date**: 14/11/2025

Project area

AlighnmentType

- C
- D

No go zone

Native vegetation

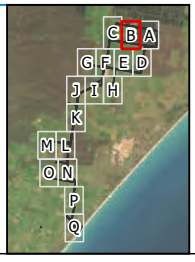
- Large Tree in Patch
- Large Scattered Tree
- Small Scattered Tree
- Aerial mapped Tree

16 Lowland Forest

48 Heathy Woodland

Removal

- Tree to be removed



N

Metres

0 100 200 300 400

GDA2020 MGA Zone 55

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Figure 14-1_C: No go zone area

Project No: 19200_09 **Project**: SOTS **Date**: 14/11/2025

Project area

AlighnmentType

- C
- D

- No go zone

Native vegetation

- Large Tree in Patch
- Small Scattered Tree

- 151 Plains Grassy Forest
- 48 Heathy Woodland

Removal

- Tree to be removed



N

Metres

0 100 200 300 400

GDA2020 MGA Zone 55

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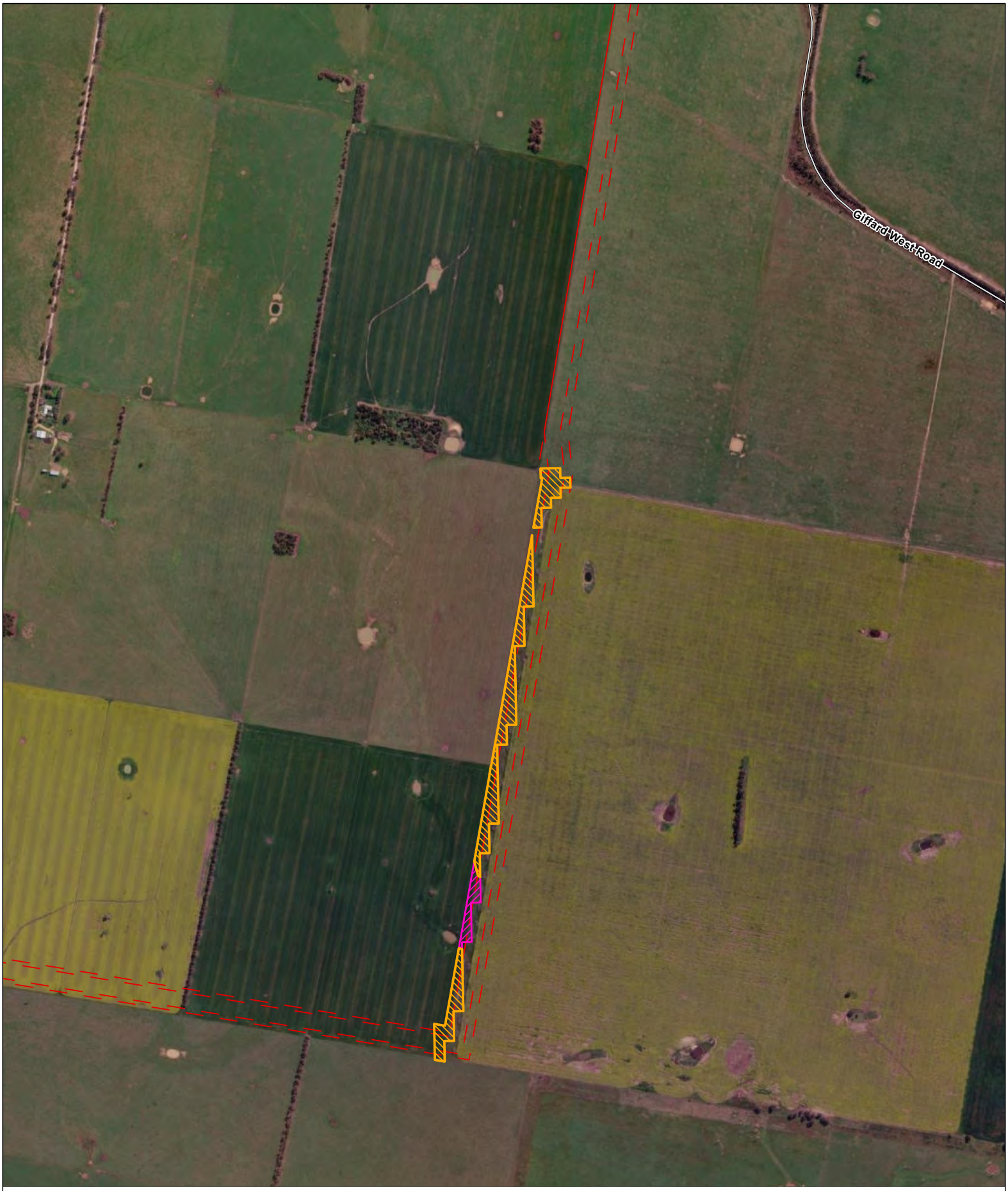


Figure 14-1_D: No go zone area

Project No: 19200_09 **Project**: SOTS **Date**: 14/11/2025

Project area

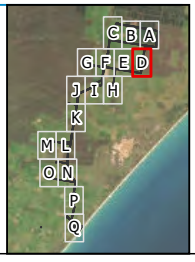
AlighnmentType

AB

Native vegetation

191 Riparian Scrub

698 Lowland Forest/ Heathy Woodland Mosaic



N

Metres

0 100 200 300 400

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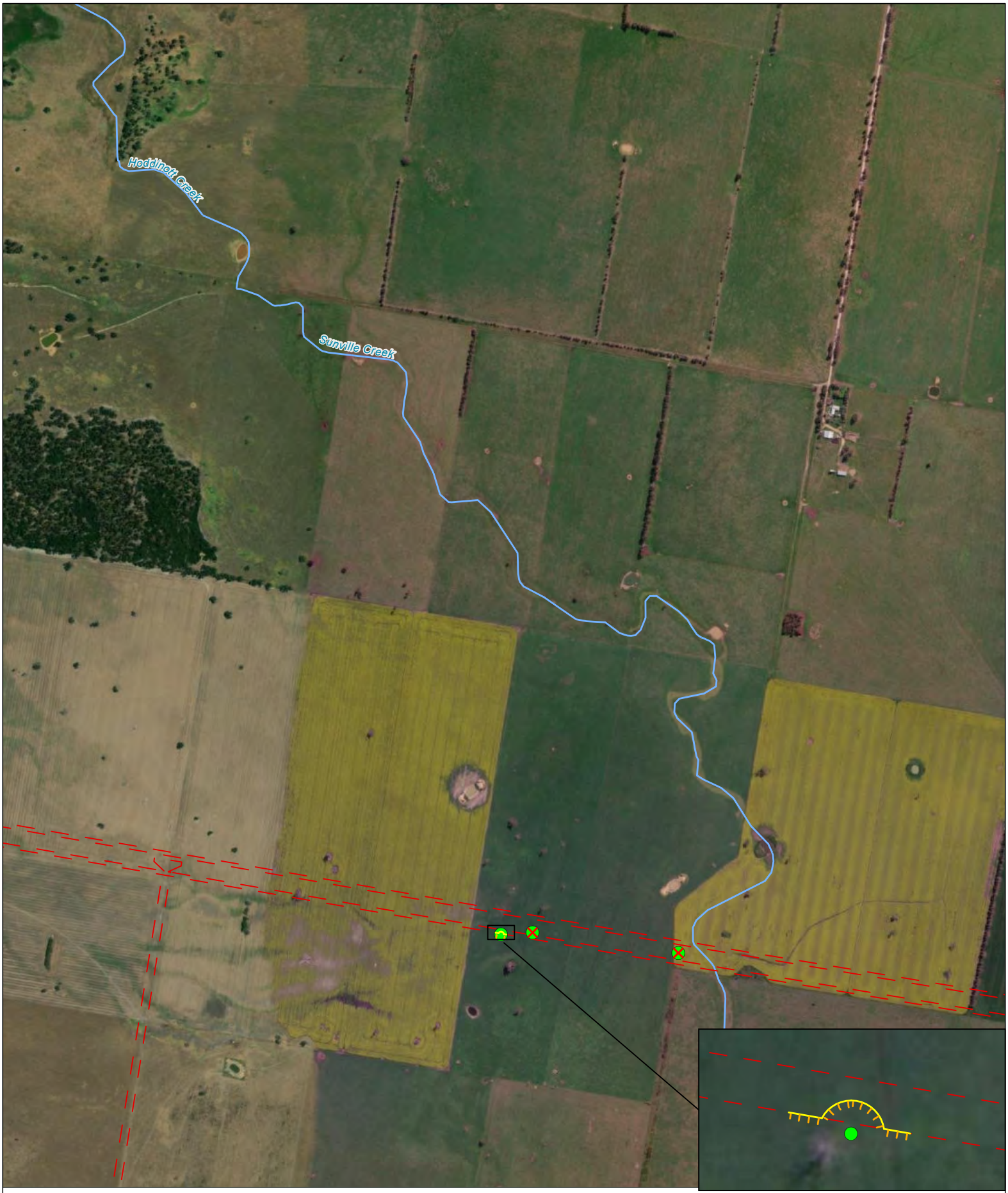


Figure 14-1_E: No go zone area

Project No: 19200_09 **Project**: SOTS **Date**: 14/11/2025

Project area

AlighnmentType

AB

No go zone

Native vegetation

Large Scattered Tree

Removal

Tree to be removed



N

Metres

0 100 200 300 400

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Figure 14-1_F: No go zone area

Project No: 19200_09 **Project**: SOTS **Date**: 14/11/2025

Project area

AlighnmentType

- AB
- C
- D
- Common alignment

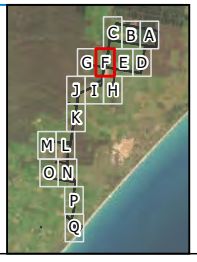
- No go zone

Native vegetation

- Large Tree in Patch
- Large Scattered Tree
- 151 Plains Grassy Forest
- 53 Swamp Scrub

Removal

- Tree to be removed



N

Metres

0 100 200 300 400

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Figure 14-1_G: No go zone area

Project No: 19200_09 **Project**: SOTS **Date**: 14/11/2025

Project area

AlighnmentType

Common alignment

No go zone

Native vegetation

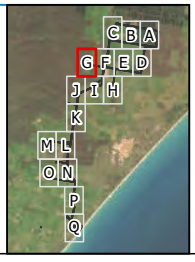
Large Tree in Patch

Large Scattered Tree

16 Lowland Forest

Removal

Tree to be removed



N

Metres

0 100 200 300 400

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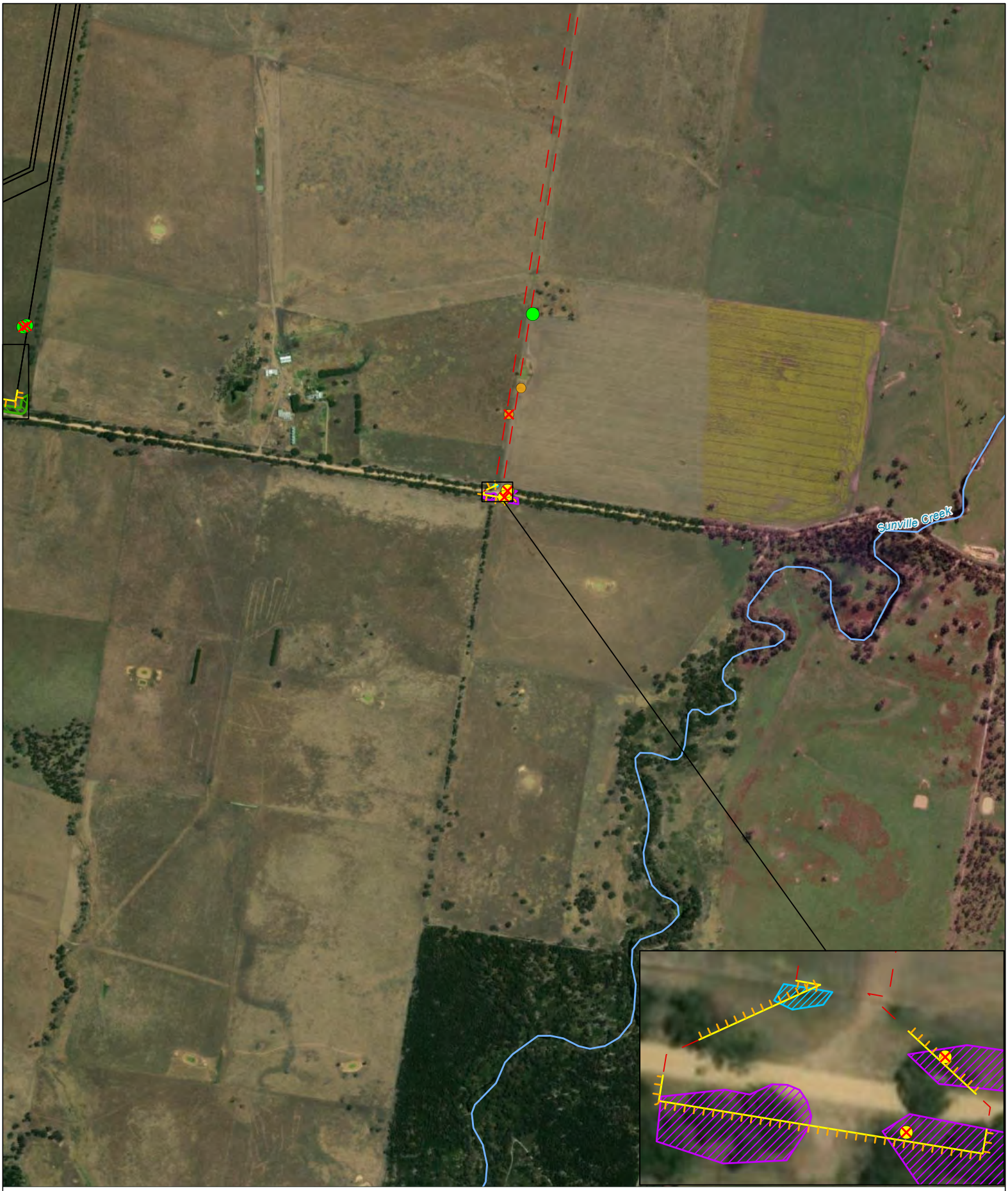


Figure 14-1_H: No go zone area

Project No: 19200_09 **Project**: SOTS **Date**: 14/11/2025

Project area

AlighnmentType

- AB
- Common alignment

- No go zone

Native vegetation

- Large Tree in Patch
- Large Scattered Tree
- Small Scattered Tree

- 151 Plains Grassy Forest
- 16 Lowland Forest
- 53 Swamp Scrub

Removal

- Tree to be removed



N

Metres

0 100 200 300 400

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Figure 14-1_I: No go zone area

Project No: 19200_09 **Project**: SOTS **Date**: 14/11/2025

Project area

AlighnmentType

Common alignment

No go zone

Native vegetation

Large Tree in Patch

Large Scattered Tree

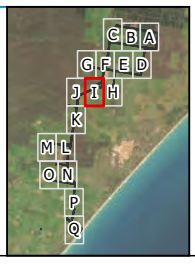
Small Scattered Tree

151 Plains Grassy Forest

53 Swamp Scrub

Removal

Tree to be removed



N

Metres

0 100 200 300 400

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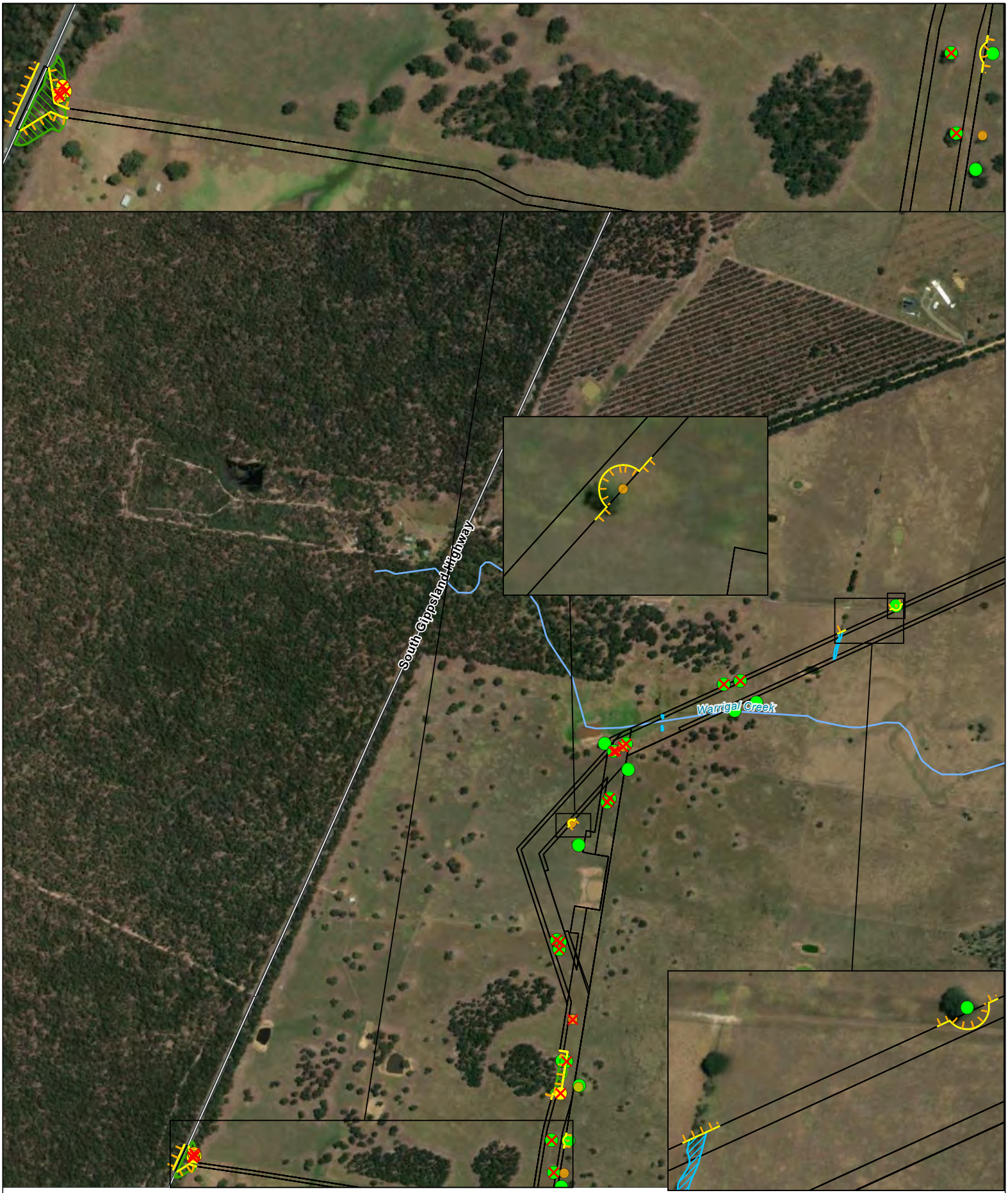


Figure 14-1_J: No go zone area

Project No: 19200_09 **Project**: SOTS **Date**: 14/11/2025

Project area

AlighnmentType

Common alignment

No go zone

Native vegetation

Large Tree in Patch

Large Scattered Tree

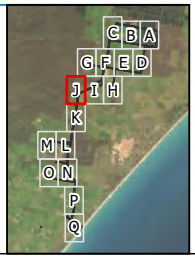
Small Scattered Tree

151 Plains Grassy Forest

53 Swamp Scrub

Removal

Tree to be removed



N

Metres

0 100 200 300 400

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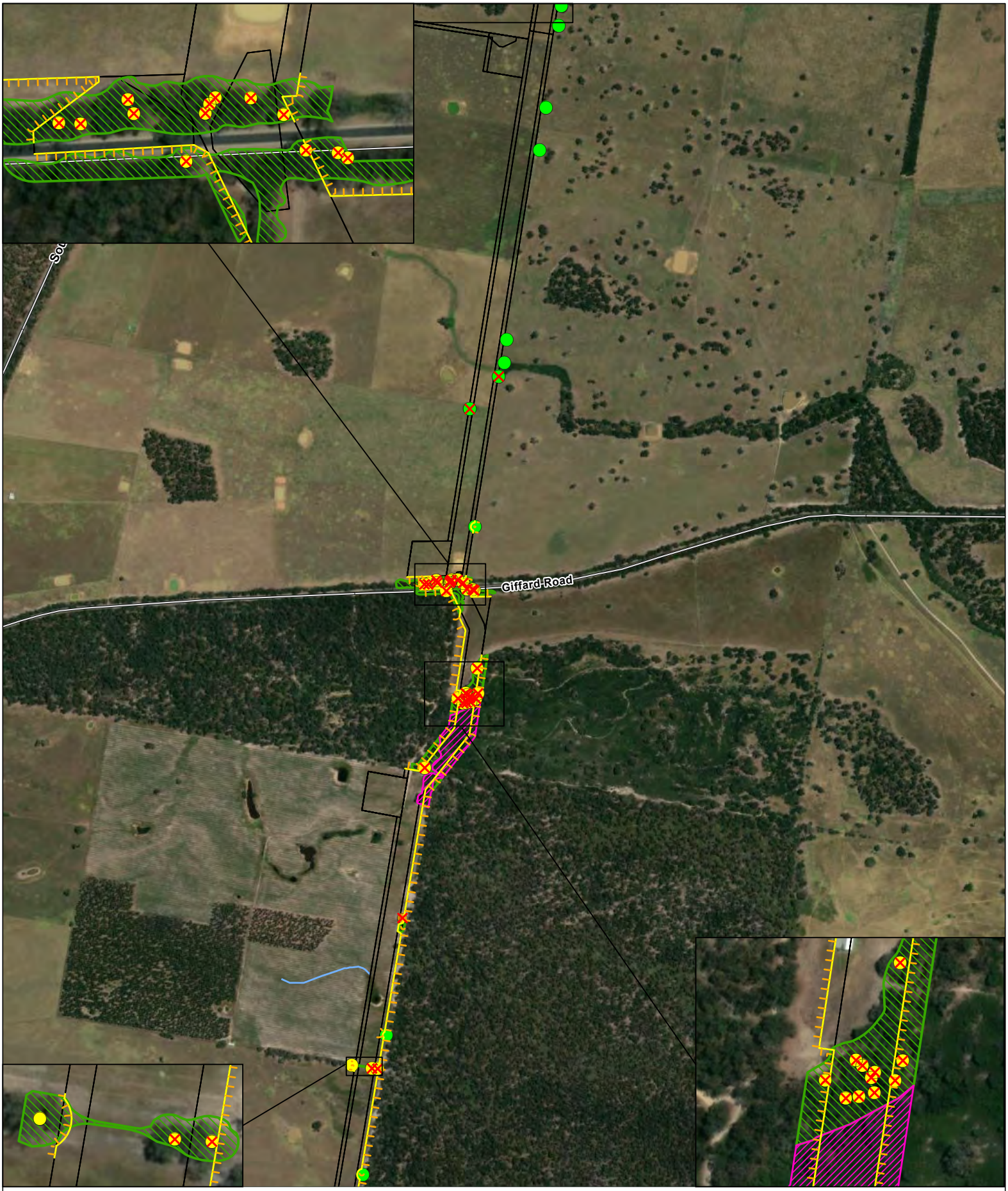


Figure 14-1_K: No go zone area

Project No: 19200_09 **Project**: SOTS **Date**: 14/11/2025

Project area

AlighnmentType

Common alignment

No go zone

Native vegetation

Large Tree in Patch

Large Scattered Tree

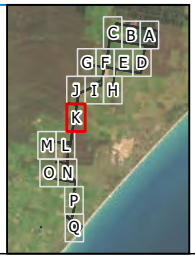
Small Scattered Tree

151 Plains Grassy Forest

191 Riparian Scrub

Removal

Tree to be removed



N

Metres

0 100 200 300 400

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Figure 14-1_L: No go zone area

Project No: 19200_09 **Project**: SOTS **Date**: 14/11/2025

Project area

AlighnmentType

Common alignment

No go zone

Native vegetation

Large Tree in Patch

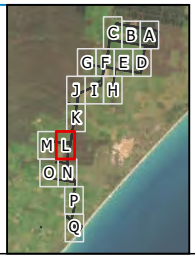
Large Scattered Tree

Small Scattered Tree

151 Plains Grassy Forest

Removal

Tree to be removed



N

Metres

0 100 200 300 400

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Figure 14-1_M: No go zone area

Project No: 19200_09 **Project**: SOTS **Date**: 14/11/2025

Project area

AlighnmentType

Common alignment

No go zone

Native vegetation

Large Tree in Patch

151 Plains Grassy Forest

Removal

Tree to be removed



N

Metres

0 100 200 300 400

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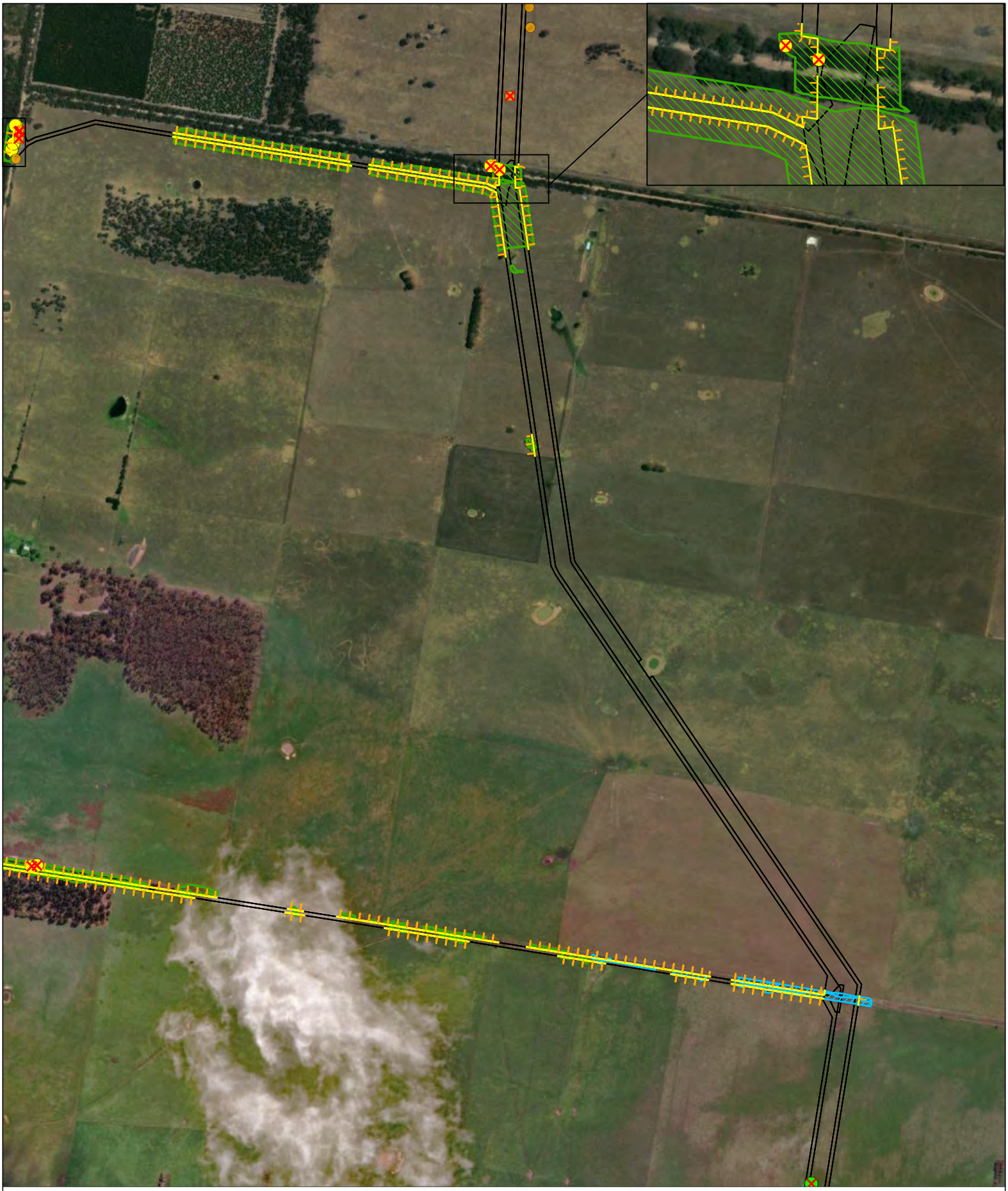


Figure 14-1_N: No go zone area

Project No: 19200_09 **Project**: SOTS **Date**: 14/11/2025

Project area

AlighnmentType

Common alignment

No go zone

Native vegetation

Large Tree in Patch

Large Scattered Tree

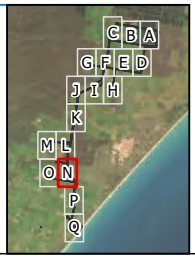
Small Scattered Tree

151 Plains Grassy Forest

53 Swamp Scrub

Removal

Tree to be removed



N

Metres

0 100 200 300 400

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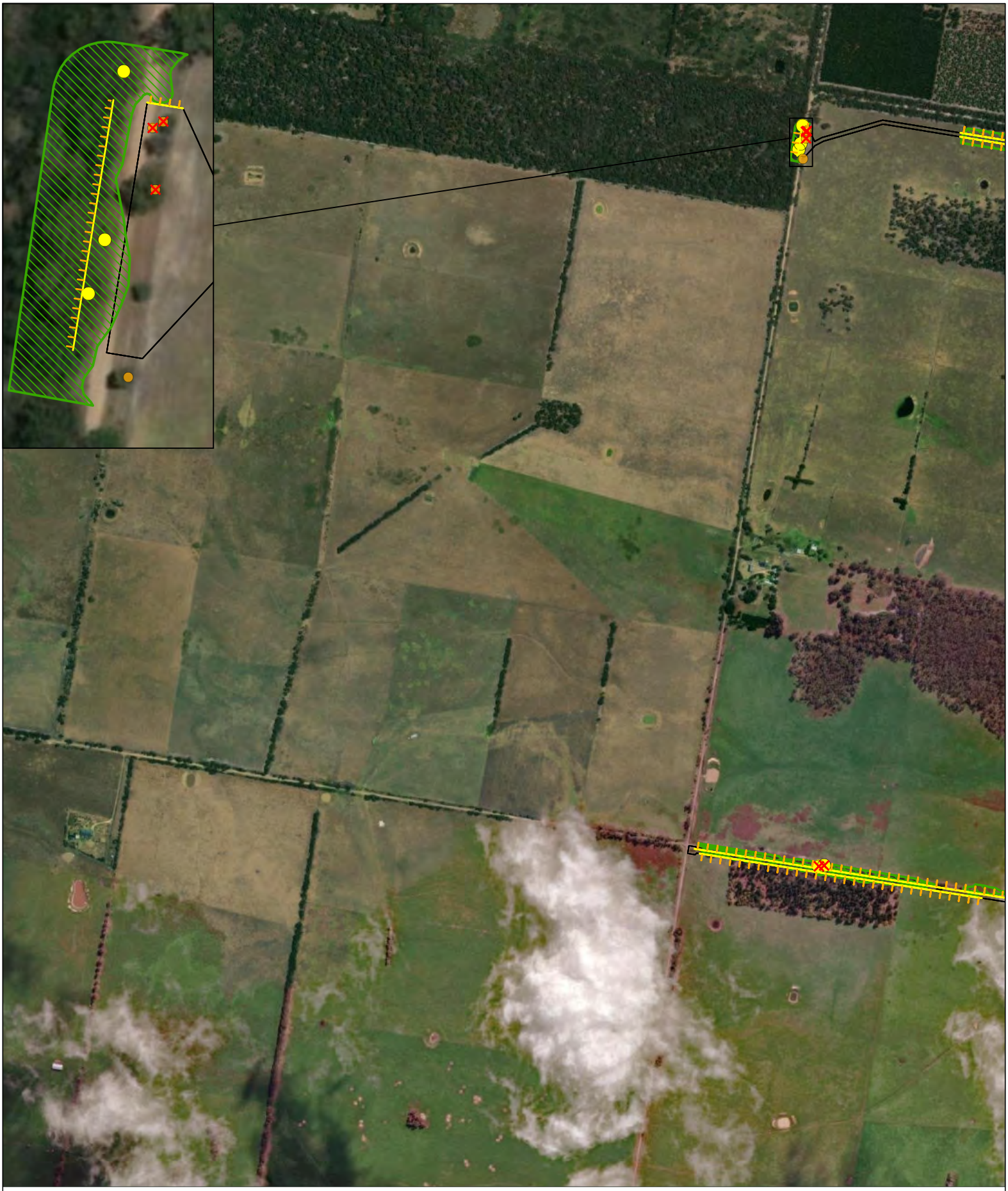


Figure 14-1_O: No go zone area

Project No: 19200_09 **Project**: SOTS **Date**: 14/11/2025

Project area

AlighnmentType

Common alignment

No go zone

Native vegetation

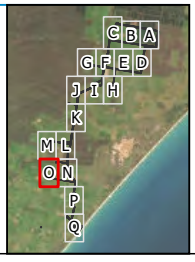
Large Tree in Patch

Small Scattered Tree

151 Plains Grassy Forest

Removal

Tree to be removed



N

Metres

0 100 200 300 400

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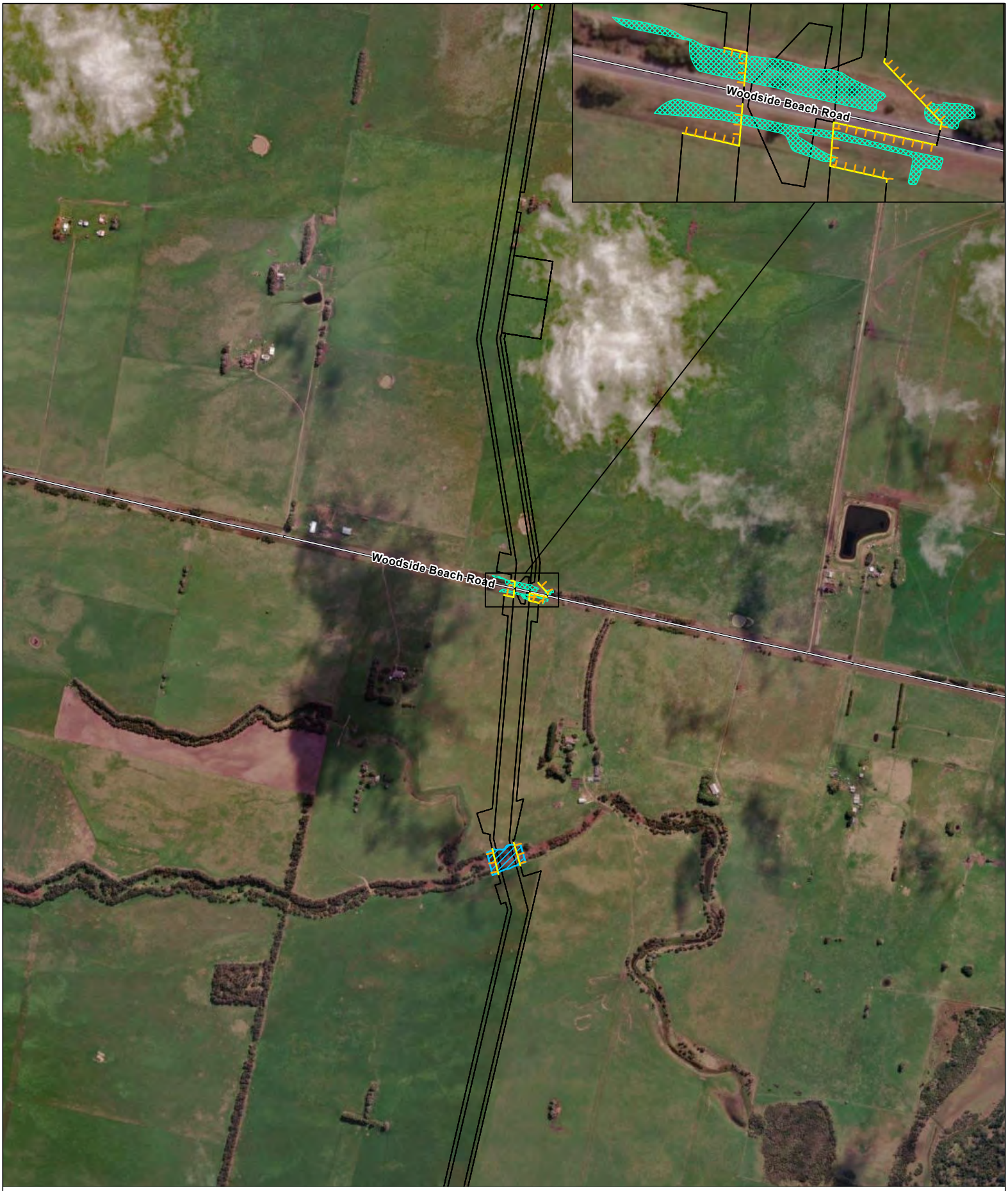


Figure 14-1_P: No go zone area

Project No: 19200_09 **Project**: SOTS **Date**: 14/11/2025

Project area

AlighnmentType

Common alignment

No go zone

Native vegetation

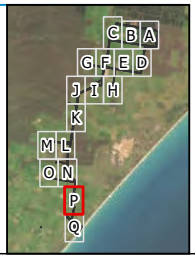
Large Scattered Tree

3 Damp Sands Herb-rich Woodland

53 Swamp Scrub

Removal

Tree to be removed



N

Metres

0 100 200 300 400

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Figure 14-1_Q: No go zone area

Project No: 19200_09 **Project**: SOTS **Date**: 14/11/2025

Project area

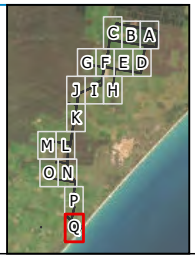
AlighnmentType

- AB
- C
- D
- Common alignment

- No go zone

Native vegetation

- 10 Estuarine Wetland
- 160 Coastal Dune Scrub
- 2 Coast Banksia Woodland
- 3 Damp Sands Herb-rich Woodland
- DEECA wetland



N

Metres

0 100 200 300 400

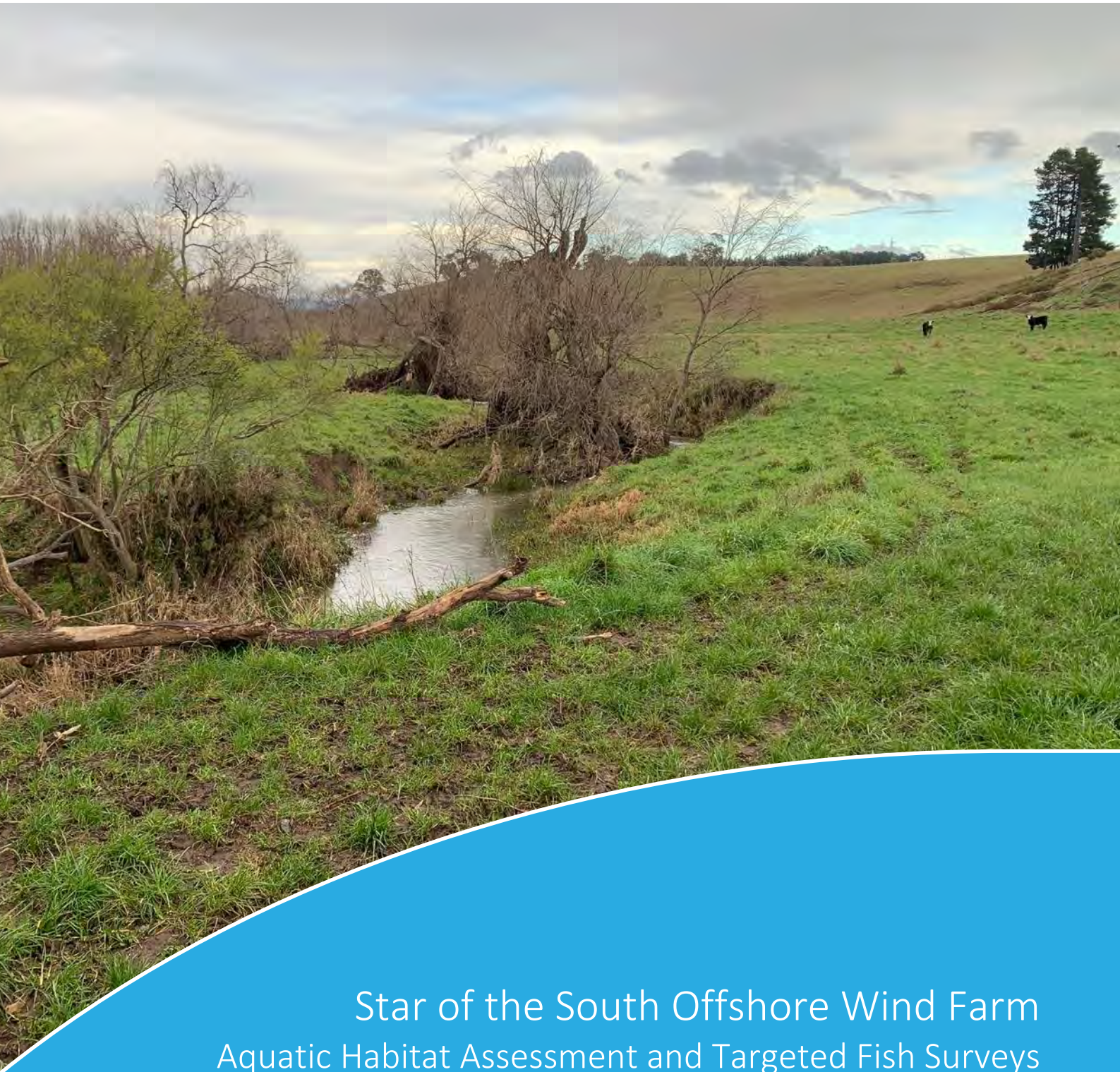
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Appendix 10
Aquatic Habitat Assessment and Targeted Fish Surveys

AQUATICA ENVIRONMENTAL



Star of the South Offshore Wind Farm

Aquatic Habitat Assessment and Targeted Fish Surveys

Report Prepared for AECOM

23 March 2026

AQUATIC ECOSYSTEM & ENVIRONMENTAL MANAGEMENT CONSULTING

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Appendix B Desktop Aquatic Habitat Assessment Results (2021/22 and 2026)

Appendix C Aquatic Habitat Inspections and Targeted Surveys Results (2021/22)

1. INTRODUCTION

1.1 Project Background

Aquatica Environmental (Aquatica) was engaged to provide specialist aquatic ecology input to support the environmental impact assessment of the proposed onshore transmission infrastructure associated with the Star of the South Offshore Wind Farm (the Project). The onshore transmission works form part of the Environment Effects Statement (EES) and Environment Impact Statement (EIS) process for the project, under which potential environmental impacts are being assessed through discipline-specific technical reports, including the Onshore Ecology (Nature Advisory 2025) and Surface Water Technical Reports (AECOM 2025).

Those reports provide a broader characterisation of aquatic ecosystems, hydrological processes and wetland environments across the onshore project area to support project-wide impact assessment within the EES framework.

Aquatica was originally engaged in 2021 by Nature Advisory Pty Ltd, on behalf of AECOM Australia Pty Ltd (AECOM) and Star of the South (SOTS), to undertake an aquatic habitat assessment and targeted threatened fish surveys for the proposed onshore transmission infrastructure associated with the Project. The assessment and earlier iterations of this report were completed based on the onshore transmission alignment current at that time.

Subsequently the onshore transmission alignment was revised with the advent of the VicGrid Offshore Wind Transmission Project and the need to connect to this project at Giffard. As a result, considerable sections of the previously assessed alignment are no longer proposed, and some new sections of alignment were assessed.

Aquatica has subsequently been engaged by AECOM, on behalf of SOTS, to update the aquatic assessment so that it reflects the revised onshore transmission alignment and Project Area. This update combines relevant parts of the previous assessment with a desktop assessment for newly intersected waterways, and relies on aquatic habitat inspections and targeted surveys previously completed for waterways and waterbodies retained within the revised Project Area, including a targeted burrowing crayfish (Engaeus spp.) survey completed by Aquatica in 2025 at the request of Nature Advisory (Aquatica 2025).

1.2 Document Purpose

The purpose of this report is to provide an aquatic assessment for the proposed onshore transmission alignment associated with the Project.

The assessment addresses the potential presence of, and habitat suitability for, selected threatened aquatic fauna species at waterway crossings associated with the proposed alignment. It has been prepared as a specialist input to the broader ecological and hydrological assessments undertaken as part of the EES and EIS process, and should be read in conjunction with the Onshore Ecology (Nature Advisory 2025) and Surface Water (AECOM 2025) Technical Reports.

1.3 The Project Area

The onshore transmission infrastructure alignment and Project Area commences at the proposed shore crossing near Reeves Beach and extends underground through the Woodside, Darriman and Giffard West localities, where it connects with the VicGrid Offshore Wind Transmission Project (Figure 1).

The project area is located predominantly within agricultural land and managed plantation forestry associated with the Gippsland coastal plain.

The revised project alignment is intersected by a number of mapped waterways and drainage features (see Figures 2a and 2b), including both named waterways and smaller low-order drainage lines associated with coastal floodplain and wetland environments. As described in the Surface Water Assessment (AECOM 2025), several of these features comprise unnamed drainage lines hydrologically connected to the Bruthen Creek Estuary, Jack Smith Lake and the McLoughlins Beach–Seaspray Coastal Reserve, including areas of mapped freshwater swamp.

Key named waterways intersected by the alignment include:

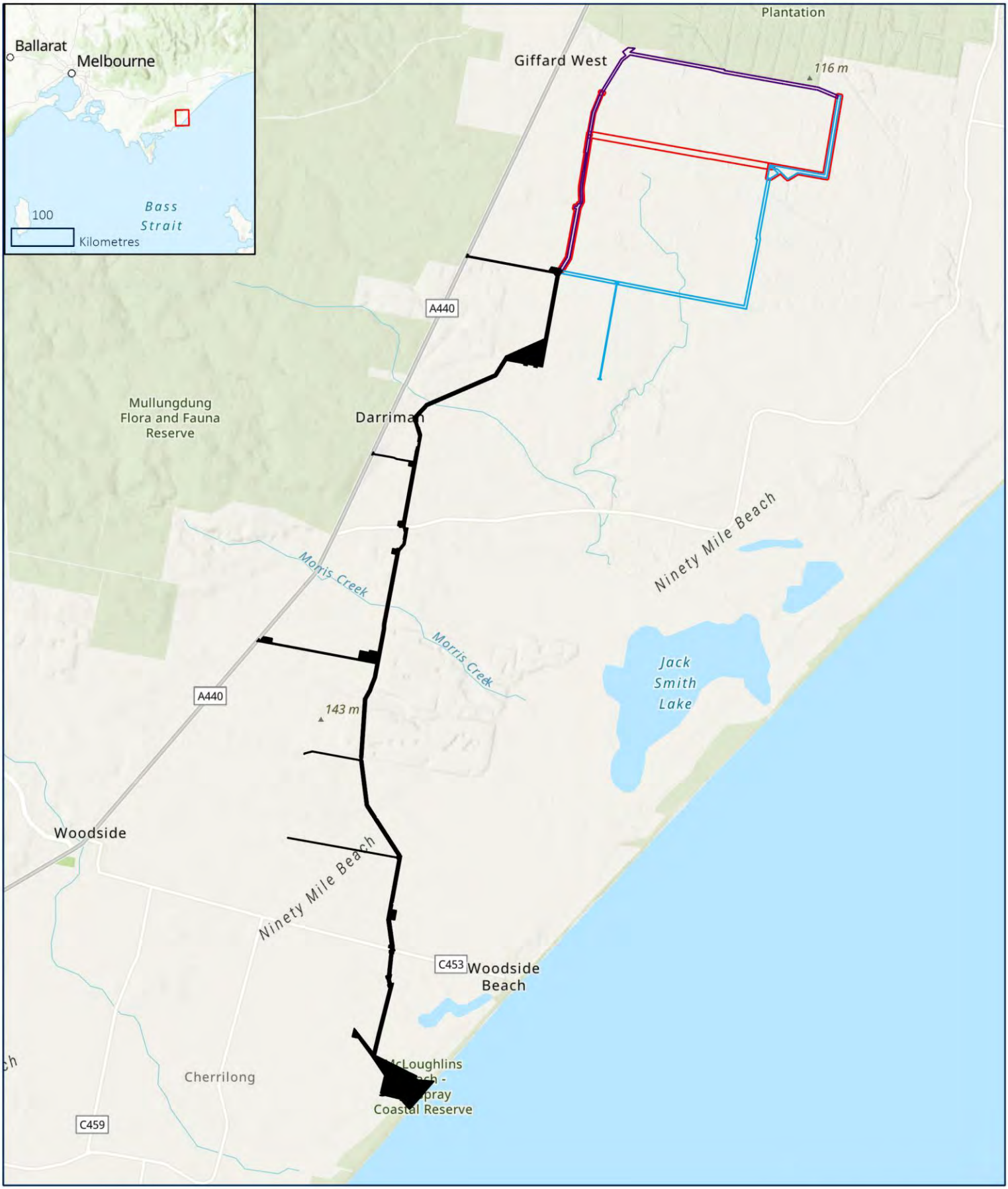
- Hoddinott Creek
- Warrigal Creek
- Morris Creek
- Sunville Creek.

Mapped waterways and waterbodies associated with the proposed alignment are shown in Figures 2a and 2b.

1.4 Assumptions and limitations

The aquatic habitat assessment, inspection, targeted surveys and this updated report are based on the following assumptions and limitations:

- This assessment focused on select target threatened fish species and the potential for platypus, and did not specifically assess or consider other aquatic ecological values.
- The 2021–2022 field component of the assessment was limited to aquatic habitat inspections and a single round of targeted surveys at selected waterways identified through aerial imagery and mapping as intersecting the alignment current at that time.
- Aquatic habitat inspections and targeted surveys were undertaken only at waterways identified through desktop mapping and aerial imagery as intersecting the alignment. It is possible that smaller or unmapped waterways and waterbodies were not identified through this process and were therefore not inspected or surveyed.
- Of the waterways inspected, only a subset considered to have moderate to high potential to support target species were subject to targeted aquatic fauna surveys.
- Aquatic habitat inspections and targeted surveys were undertaken from publicly accessible locations and from privately owned land where access permission was obtained for the project. Not all areas within the project extent were accessible at the time of survey.
- This report consolidates aquatic assessment work originally undertaken in 2021–2022 for a broader onshore transmission alignment. The current proposed alignment is a subset of the area previously assessed, and the majority of desktop and field-based assessment work that informs this report was completed in the context of that earlier, larger alignment.
- Of the waterways intersected by the proposed alignment, only one was subject to aquatic habitat inspection and targeted survey under the proposed alignment configuration. No additional site inspections or targeted aquatic fauna surveys have been undertaken for waterways newly intersected by the proposed alignment. The findings of this assessment should be interpreted in this context, and the mitigation and management measures outlined in Section 6 are recommended partly in recognition of this inherent limitation
- The desktop components of the assessment relied on project alignment data, waterway mapping and biodiversity information provided by others. Independent verification of the completeness or accuracy of these datasets has not been undertaken as part of this assessment.
- The likelihood of occurrence of threatened species assessment is to be used as a guide only and should not be interpreted as confirming species presence or absence.
- The absence of detection of threatened species during targeted surveys does not confirm absence of those species within the project area.



0 1 2
Kilometers

Spatial Reference
Name: GDA2020 Vicgrid
PCS: GDA2020 Vicgrid
GCS: GDA2020
Datum: GDA2020

Source: AECOM

Date Exported:
18/03/2026 12:00 PM

N

AlignmentAB
Alignment C
Alignment D
Common Alignment

Onshore Project Area and Alignment

Project: Star of the South Offshore Wind Farm

Figure 1

AQUATICA ENVIRONMENTAL



0 1 2
Kilometers

Channel
Connector
Stream
River
Subject to inundation
Watercourse area
Lake
Swamp
Common Alignment

Spatial Reference
Name: GDA2020 Vicgrid
PCS: GDA2020 Vicgrid
GCS: GDA2020
Datum: GDA2020

Source: AECOM

Date Exported:
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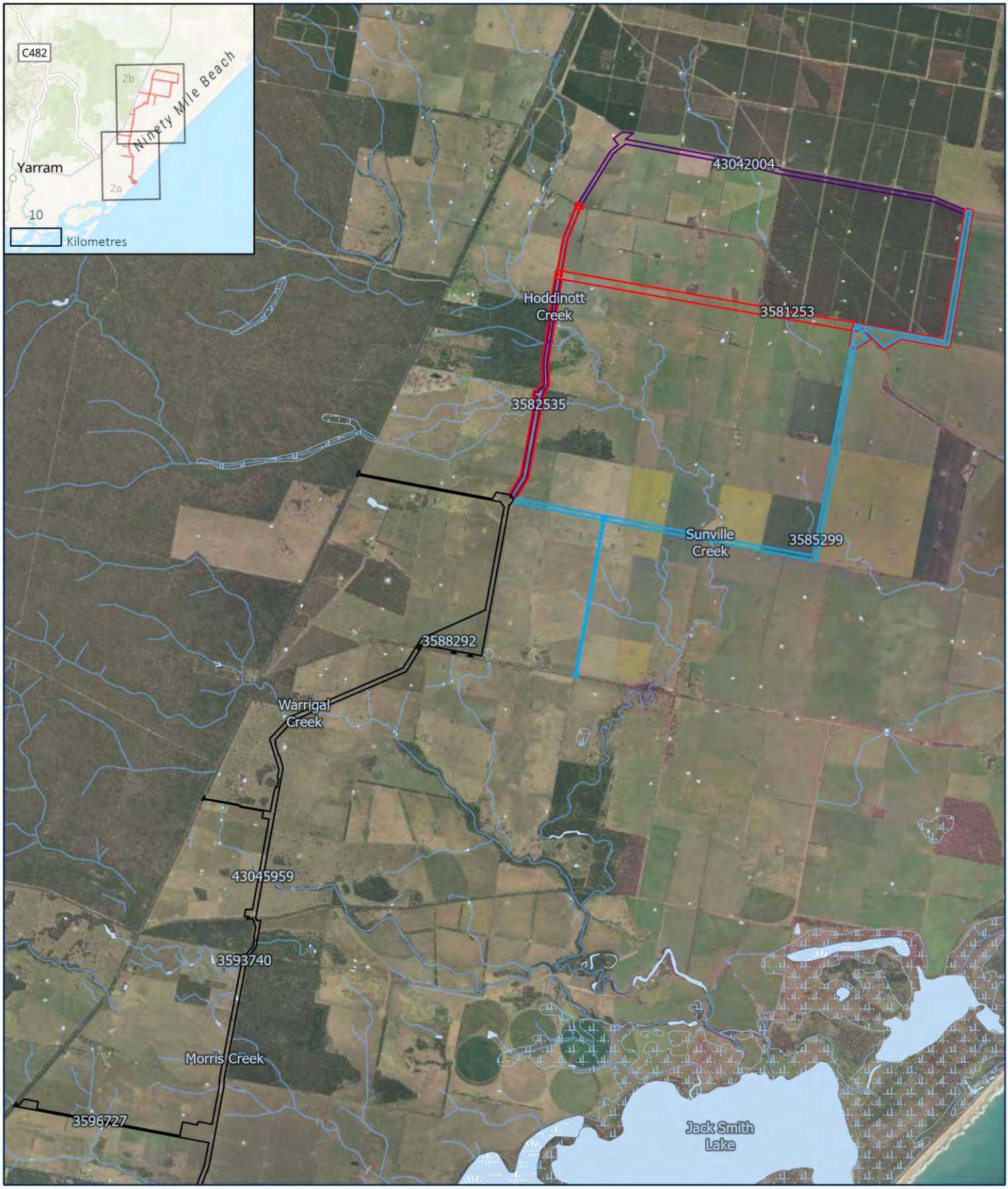
N

Project Area
Waterways and Waterbodies

Project: Star of the South Offshore Wind Farm

Figure 2a

AQUATICA ENVIRONMENTAL



0 1 2
Kilometers

Spatial Reference
Name: GDA2020 Vicgrid
PCS: GDA2020 Vicgrid
GCS: GDA2020
Datum: GDA2020

Source: AECOM

Date Exported:
18/03/2026 1:30 PM

N

Channel
Connector
Stream
Subject to inundation
Lake
Swamp
AlignmentAB
Alignment C
Alignment D
Common Alignment

Project Area
Waterways and Waterbodies

Project: Star of the South Offshore Wind Farm

Figure 2b

AQUATICA ENVIRONMENTAL

2. METHODOLOGY

The aquatic assessment has been undertaken in a staged manner across multiple assessment phases between 2022 and 2026, reflecting Aquatica's supporting role in providing specialist aquatic fauna input to the broader EES technical documentation suite. Aquatica's involvement has comprised targeted inspection and survey of selected waterways in 2021–2022, a targeted burrowing crayfish survey in 2025, and desktop-based reassessment of aquatic habitat suitability for the proposed alignment in 2026.

The original aquatic assessment was completed in 2021/22 and comprised a desktop review, aquatic habitat inspections and targeted fish surveys undertaken at selected waterways identified as intersecting the alignment current at that time.

Subsequent to completion of the 2022 assessment, a targeted burrowing crayfish survey was undertaken in January 2025 at a small section of the current alignment to support broader project ecological investigations (Aquatica 2025). The result of this survey were noted on the project's Onshore Ecology, Technical Report G (Nature Advisory 2025)

Following the current revision of the onshore transmission alignment, this 2026 update has been undertaken to reflect the current alignment configuration. The update incorporates:

- Desktop reassessment of waterways intersected by the proposed alignment; and
- Previously completed aquatic habitat inspections and targeted surveys undertaken within retained sections of the alignment.

No new or additional aquatic habitat inspections or targeted aquatic fauna surveys have been undertaken for previously identified waterways or waterways newly intersected by the proposed alignment.

2.1 Stage 1: Desktop Aquatic Habitat Assessment

A desktop assessment was undertaken in 2021/22 to determine whether waterways identified as transecting the project area had habitat suitable for supporting State or Commonwealth-listed aquatic species with the potential to occur within the alignment current at that time.

The assessment was undertaken using available desktop information, including:

- Victorian Biodiversity Atlas (VBA) records of protected aquatic species within a 10 km radius of the project area;
- VBA records of previous aquatic surveys within a 10 km radius of the project area;
- NatureKit (where available) for modelled species habitat mapping;
- Aerial imagery of waterways to determine likely habitat type and structure; and
- Available project-specific waterway mapping provided by AECOM/SOTS.

The initial set of mapped waterways considered as part of this assessment was determined and provided by AECOM/SOTS. Waterways proposed to be traversed via trenchless construction methods (e.g. directional drilling), or otherwise considered unlikely to be directly impacted by the project at that time, were excluded from further assessment.

For each identified waterway, the above information was used to determine which protected aquatic species had the potential to occur within the project area and whether habitat capable of supporting those species appeared to be present.

The desktop assessment assigned each waterway a potential to support target species (e.g. high, medium or low), and whether further field-based assessment in the form of inspection and/or survey was required. Table 1 outlines the broad categories and criteria used to determine a waterway's potential to support a threatened aquatic species.

The output of this assessment was to determine, for each transecting waterway, whether there was sufficient evidence to suggest that targeted survey should be undertaken for the target species, or whether an inspection was required to confirm the findings of the desktop assessment. All waterways identified as requiring inspection or survey were included in Stage 2 (Section 2.2).

2.1.1 Desktop Update for Proposed alignment (2026)

In 2026, a further desktop aquatic habitat assessment was undertaken to support revision of this report following changes to the onshore transmission alignment.

This update involved reassessment of:

- waterways previously identified as transecting sections of current alignment from the 2021–2022 assessment; and
- additional waterways associated with newly proposed sections of the current alignment.

The 2026 desktop update was undertaken using the same core method and desktop information sources applied during the 2021–2022 assessment (Section 2.1), supplemented by additional, more recent spatial and biodiversity information where available.

Newly intersected waterways were identified through review of the revised project alignment and updated spatial mapping provided by AECOM and SOTS, in conjunction with the most recent Onshore Ecology Report (Nature Advisory, 2025) and Surface Water Assessment (AECOM, 2025). Updated aerial imagery and relevant biodiversity database searches were also reviewed where available.

No additional field inspections or targeted threatened fish surveys were undertaken as part of this update. Waterways associated with newly proposed alignment sections were therefore assessed based on desktop information only. Field-verified habitat information obtained during the 2021–2022 inspections and surveys has been retained for waterways associated with alignment sections that remain under consideration.

Table 1 Assessment criteria

Potential to Support Species	Potential Criterial
High	• Species recorded in project area or within connected waterways within 5km of project area within past 10 years • DELWP mapped habitat present in or immediately abutting the project area • Photo evidence of suitable habitat present in project area • Aerial imagery indicates suitable habitat likely present in or immediately abutting the project area • Project area within species' natural distribution range
Medium	• Species not recorded in project area or within connected waterways within 5km of project area within past 10 years • No evidence of surveys being undertaken in project area or within connected waterways within 5km of project area within past 10 years • DELWP mapped habitat outside of but within 5km of project area • Photo evidence of marginal suitable habitat present in project area (i.e. some aspects present) • Aerial imagery indicates marginal suitable habitat possibly present in or immediately abutting the project area • Project area within or on the margins of species' natural distribution range

Potential to Support Species	Potential Criterial
Low	• Species not recorded but surveys undertaken in project area or within connected waterways within 5km of project area within past 10 years which did not detect the species • Photo /aerial imagery evidence that suitable habitat is not present in or immediately abutting the project area • Habitat for aquatic species not present in connected waterbodies in proximity site (within 2 km) • Project area is located outside of species' natural range • Considered locally extinct

2.2 Stage 2: Aquatic Habitat Inspections and Targeted Surveys (2021–2022 and 2025)

Aquatic habitat inspections and targeted threatened fish surveys were undertaken in 2021–2022 at selected waterways identified through desktop mapping as intersecting the alignment current at that time. These inspections informed the targeted fish surveys undertaken under relevant research and collection permits.

In January 2025, a targeted burrowing crayfish (Engaeus spp.) survey was also undertaken at a drainage feature located within a small section of the current alignment that associated with 704 Woodside Beach Road, Woodside (Waterway 42806331). The outcomes of this survey have been incorporated into this updated assessment where relevant.

The primary aim of Stage 2 was to validate and confirm the results of the desktop aquatic habitat assessment (Stage 1; Section 2.1; Appendix B). Aquatica's ecologists undertook aquatic habitat inspections at waterways identified during Stage 1 as either requiring inspection (to determine whether suitable habitat for target species was present) or for targeted survey (to determine whether target species were present). Where suitable habitat was identified during inspection, targeted aquatic fauna surveys were subsequently undertaken at those locations.

2.2.1 Waterway Inspections

The aim of the waterway inspections was to validate the Stage-1 findings with regards to whether suitable habitat for any of the identified target species was present at waterways mapped as intersecting the alignment current at that time.

Inspections were undertaken on-foot within the alignment and/or, where access had been obtained, at upstream and/or downstream reaches to within approximately 250 m of the alignment.

Waterway inspections were limited to those waterways identified through desktop mapping and aerial imagery as intersecting the alignment during Stage-1. Not all mapped waterways were subject to inspection, and waterways newly intersected by the proposed alignment have not been inspected as part of this update.

For each waterway inspection details of the waterway type and habitat were noted including (where able to be determined):

- Waterway type (e.g. permanent, ephemeral, floodplain, channel, etc.)
- Aquatic Habitat / Vegetation types
- Emergent Vegetation
- Riparian Vegetation
- Any other relevant observations or notes
- Reference photographs.

2.2.2 Waterway Surveys

Targeted aquatic fish surveys were undertaken at a subset of inspected waterways where suitable habitat for target species was identified during Stage-1 and confirmed during waterway inspection.

Surveys were undertaken using species-specific methods detailed in the *Survey Guidelines for Australia's Threatened Fish* (DSEWPaC 2004), the *Biodiversity Precinct Structure Planning Kit* (DSE 2010) and other relevant guidelines, using one or a combination of the following methods:

- Hand-held dip-netting;
- Backpack electrofishing;
- Bait-traps; and
- Fyke nets.

The survey methods deployed at each waterway were determined by the target species and the type and structure of the waterway and associated habitat.

All aquatic fauna captured or observed were identified, enumerated, photographed and released as soon as practicable at or near the point of capture. Details of the waterway type and habitat were also recorded, including the type and structure of aquatic and riparian habitat, flow characteristics of the waterway (e.g. permanent or ephemeral), and any relevant fauna observed during inspection.

The 2021–2022 surveys were undertaken in accordance with the following approvals and permits held by Aquatica Environmental at that time[1]:

- DEDJTR[2] Wildlife and Small Institutions Animal Ethics Committee approval (WSIAEC approval No. 11.18);
- Scientific Procedures Fieldwork Licence (No. SPFL20394)
- *Fisheries Act 1995* General Research permit (No. RP1312)
- *Flora and Fauna Guarantee Act 1988* permit to take protected fish (No. 10010108)
- *Wildlife Act 1975* research permit (No. 10010109).

In accordance with the approvals and permits, notification of intent to survey in the project area was given to the relevant authorities. No project specific details were provided in these notifications.

2.3 Likelihood of Occurrence Assessment

Following completion of the updated desktop habitat assessment, and informed by:

- aquatic habitat inspections and targeted surveys undertaken in 2021–2022; and
- the targeted burrowing crayfish survey completed in January 2025,

the likelihood of occurrence for target aquatic fauna species was reassessed for the revised onshore transmission alignment using the categories and criteria presented in Table 2.

A Likelihood of Occurrence (LoO) assessment was undertaken for threatened and significant aquatic fauna species identified through the updated desktop data review (Section 2.1), including::

- Biodiversity database (e.g. VBA, NatureKit, Protected Matters Search Tool [PMST], etc);
- Targeted inspections and surveys undertaken by Aquatica in 2021–2022; and
- The targeted burrowing crayfish survey completed in January 2025.

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[1] The approvals and permits listed were valid at the time the 2021–2022 targeted fish surveys were undertaken. The 2025 targeted burrowing crayfish (Engaeus spp.) survey was also undertaken in accordance with renewed versions of the same approvals and permits. No additional aquatic habitat inspections or targeted aquatic fauna surveys have been undertaken as part of this 2026 update, and therefore no current permits were required

[2] Department of Economic Development, Jobs, Transport and Resources

This assessment supports the revised aquatic assessment for the Star of the South Offshore Wind Farm – Onshore Transmission Alignment (2026 update), and builds upon the original 2021–2022 desktop, inspection and targeted survey program.

Given the coastal setting of the southern portion of the alignment, including drainage systems discharging toward Jack Smith Lake and associated estuarine environments, this assessment places primary emphasis on:

- hydrological connectivity; and
- along-waterway connectivity,

rather than straight-line proximity alone when considering nearby occurrence records.

Where suitable habitat is present within a hydrologically connected system and detectability is considered low or seasonally variable, a precautionary approach has been adopted consistent with Commonwealth biodiversity assessment guidance (DCCEEW 2021).

In this context, the LoO assessment has been undertaken as a screening-level evaluation of ecological plausibility within hydrologically connected coastal drainage environments, informed by species-specific habitat requirements and detectability constraints, for the purpose of identifying and managing potential aquatic fauna impact risks associated with the proposed alignment.

This updated LoO assessment reflects:

- Field-validated habitat information for waterways inspected and surveyed in 2021–2022;
- Results of the 2025 targeted Engaeus survey;
- Waterway habitat descriptions derived from the Onshore Ecology Technical Report (Nature Advisory 2025) and Surface Water Technical Report (AECOM 2025), where available; and
- Desktop-based habitat characterisation for newly defined alignment sections where no additional field inspections were undertaken as part of the 2026 revision.

The LoO assessment presented herein represents a screening-level plausibility assessment of aquatic fauna occurrence within hydrologically connected coastal drainage environments, informed by species ecology and detectability constraints, for the purposes of impact risk management, rather than an assessment of established population presence within individual waterways.

Table 2 Likelihood of Occurrence Assessment criteria

Likelihood	Criteria
Recorded / Present	• Species detected during current field surveys within the Project Area; or • Recently recorded (≤10 years) within the Project Area with no significant change in habitat condition since that time.
High	• Suitable or optimal habitat present within the Project Area; and • Recent records (≤10 years) occur within the same hydrologically connected waterway, wetland complex or estuarine system; and • No significant barriers to dispersal between the record and Project Area are present.
Moderate	• Suitable or suboptimal habitat present within the Project Area; and/or • Species recorded within the broader connected catchment or waterway network; or • Detectability is low and seasonal use of the Project Area is considered plausible.
Low	• Marginal habitat present within the Project Area; and/or • Only historical (>10–20 years) records occur within connected systems; and/or • Connectivity between the Project Area and known records may be limited or conditional (e.g. seasonal flow).

Likelihood	Criteria
Very Low	• No suitable habitat present within the Project Area; or • Project Area is outside the known distribution; or • Project Area is hydrologically disconnected from occurrence records due to barriers or separate catchments.
Negligible	• Suitable habitat absent within the Project Area; and • No relevant records within connected waterway systems; and • Occurrence considered highly implausible based on species ecology and distribution.

3. RESULTS

3.1 Stage 1: Desktop Review

3.1.1 Desktop Data Review – Aquatic Fauna

The desktop review returned approximately 200 aquatic fauna records within 10 km of the proposed alignment. These records comprise 37 fish taxa and 161 aquatic invertebrate taxa.

However, the majority of records are derived from downstream receiving environments and / or broader catchment-level surveys in the study area. There is limited targeted or other survey effort within waterways directly intersected by the proposed alignment, and no confirmed records of threatened aquatic fauna from intersected waterways (identified by their Unique Feature Identifier (UFI) in the VBA).

The desktop data review returned approximately 200 records of aquatic fauna within 10 km of the revised onshore transmission alignment, representing 37 taxa of fish, 161 taxa of aquatic invertebrates, one aquatic mammal and one reptile species Appendix A.

Threatened aquatic fauna returned within records in the study area included:

- **Australian Grayling** (*Prototroctes maraena*), listed as Vulnerable under the EPBC Act[3] and FFG Act[4]. Two records were returned, the most recent dating to 1976, both associated with Merriman's Creek.
- **Flinders Pygmy Perch** (*Nannoperca* sp. 1), listed as Vulnerable under the FFG Act. Nine records were returned, with records as recent as 2023 associated with Monkey Creek and Merriman's Creek to the north of the alignment.
- **Macquarie Perch** (*Macquaria australasica*), listed as Endangered under the EPBC Act and FFG Act. A single, spatially unreliable historical record dating to the early twentieth century was returned. Accordingly, this species is excluded from the remainder of this assessment.

In addition to the threatened species returned from the desktop database review, several target species that were included as part of the original 2021–2022 targeted aquatic assessment have been retained for consideration in this updated review. While these species were not returned in the updated database search for the proposed alignment, their original inclusion and known potential distribution and ecological characteristics warrant their continued consideration in the assessment of retained and newly identified waterways.

There are no records for **Australian Mudfish** (*Neochanna cleaveri*), listed as Endangered under the FFG Act, within or immediately surrounding the study area. However, the species is cryptic in nature and considered to be under-recorded across its range. Records are known from Wilsons Promontory National Park, and coastal drainage features associated with estuarine systems and low-lying back-barrier swales immediately inland of Reeves Beach are considered capable of supporting aquatic habitat types known to be utilised by this species.

Similarly, no recent confirmed records of **Dwarf Galaxias** (*Galaxiella pusilla*), listed as Vulnerable under the EPBC Act and FFG Act, were also not returned within the revised study area. However, previously unidentified records from Monkey Creek (2013) occur within the broader locality, and suitable low-gradient coastal drainage habitats are known to occur within retained and newly defined sections of the alignment.

Since completion of the 2021–2022 assessment, **Platypus** (*Ornithorhynchus anatinus*) has been listed as Vulnerable under the FFG Act. While not returned within the immediate study area, records occur within Merriman's Creek to the north and within waterways near Woodside (PlatypusSPOT, 2025), warranting consideration of potential habitat within retained waterway crossings.

[3] *Environment Protection and Biodiversity Conservation Act 1999 (Cth)*
[4] *Flora and Fauna Guarantee Act 1988*

3.1.2 Desktop Data Review – Past Surveys

A review of available aquatic fauna survey records was undertaken using data extracted from the VBA (DEECA 2025a) for records of past surveys / survey sites within a 10 km search radius of the proposed alignment.

This search returned a limited number of historic and contemporary survey records from waterways within the broader study area, including Bruthen Creek, Merriman Creek and Jack Smith Lake. The majority of these records comprise generalised fish collection observations associated with downstream estuarine environments and lower reaches of regional waterways, with survey dates ranging from 1914 to 2023.

Most records pre-date 2000 and are associated with waterways located outside the coastal-draining sub-catchments intersected by the proposed alignment. More recent observations (post-2010) are similarly concentrated within downstream receiving environments such as Jack Smith Lake and Merriman Creek, rather than within minor inland drainage systems.

No confirmed records of threatened aquatic fauna were identified from waterways directly intersected by the proposed alignment. The only aquatic fauna survey undertaken within an alignment-intersected drainage feature comprises a targeted burrowing crayfish survey completed by Aquatica in January 2025 at unnamed waterway UFI 42806331 for the SOTS project.

Existing records of threatened fish species within the broader 10 km search radius are primarily associated with catchments to the north (e.g. Monkey Creek and Merriman Creek) and west (upper Bruthen Creek) of the alignment, which do not directly form part of the coastal-draining sub-catchments intersected by the current alignment.

The absence of confirmed occurrence records from alignment-intersected waterways is considered reflective of both limited targeted survey effort within these modified coastal drainage systems and the broader paucity of aquatic fauna survey data within the coastal plain environment between Bruthen Creek and Jack Smith Lake.

3.1.3 Desktop Aquatic Habitat Assessment

Desktop assessment of aquatic habitat was undertaken for all mapped waterways identified as intersecting the revised onshore transmission alignment (refer Figures 2a and 2b). The mapped waterways assessed as part of this review broadly correlate with those identified within the Onshore Ecology (Nature Advisory 2025) and Surface Water (AECOM 2025) technical reports prepared for the project, noting some minor variation in the delineation of smaller drainage features associated with updated alignment mapping.

The desktop habitat assessment completed as part of the original 2021–2022 aquatic assessment has been retained herein for waterways that remain within the proposed alignment (see also Appendix B). In addition, several minor drainage lines and waterbodies newly identified through updated alignment mapping and supporting technical documentation have been incorporated into this updated assessment.

At the time of the original desktop assessment, evaluation of habitat suitability was undertaken using available spatial datasets, aerial imagery and biodiversity database records only. As part of this 2026 update, the desktop habitat assessment has been reviewed and refined with reference to:

- Aquatica's previous inspections and targeted surveys undertaken in 2021–2022 at selected waterways; and
- Updated mapping, habitat descriptions and site photography provided within the Onshore Ecology (Nature Advisory 2025) and Surface Water (AECOM 2025) technical reports.

This has enabled a more informed interpretation of aquatic habitat condition and function at a number of retained and newly identified waterway crossings than was possible during the original desktop assessment alone.

Based on the combined desktop review (Section 3.1.1), retained inspection and survey outcomes, and updated supporting technical information, a subset of mapped waterways were identified as having a medium to high likelihood of supporting habitat suitable for one or more of the following protected aquatic species known to occur within the broader locality:

- Australian Grayling

- Australian Mudfish
- Dwarf Galaxias
- Flinders Pygmy Perch; and
- Platypus

All remaining mapped waterways were assessed as having a low likelihood of providing suitable habitat for these species based on available desktop information and were not considered to warrant further field-based assessment at the time of the original surveys.

The results of the updated desktop aquatic habitat assessment are provided in Appendix B and summarised in Table 3.

Table 3 2021/22 desktop aquatic habitat assessment species habitat likelihood summary from Appendix B

Waterway ID	Waterway Name	Potential to Support Species[5]					Outcome
		Australian Grayling	Australian Mudfish	Dwarf Galaxias	Flinders Pygmy Perch	Platypus[6]	
2021/22 Waterways and Results							
42824679, 18401649 (also 42824681, 42824141)	Unnamed, associated with Bruthen Creek	Low – but DEECA[7] mapped habitat	High – DEECA mapped habitat + suitable habitat	-	-	NA	Survey for Aust. Mudfish
42806331	Unnamed	-	Medium	-	-	NA	Inspect for Aust. Mudfish
43055581	Unnamed	-	-	-	Unable to determine Medium	NA	No further assessment
3598071 (also 43055579, 3596185)	Unnamed	-	-	Medium	High	NA	No further assessment
MORRIS CREEK		-	-	Unable to determine Medium-High	Unable to determine Medium-High	NA	No further assessment No further assessment
3593740 (also 3595497, 3595484, 3594383)	Unnamed	-	-	Medium	Medium	NA	No further assessment

[5] *Using criteria from Table 1.*
[6] *Species was not considered or assessed during the 2021/22 assessment.*
[7] *Department of Energy, Environment and Climate Action*

Waterway ID	Waterway Name	Potential to Support Species[5]					Outcome
		Australian Grayling	Australian Mudfish	Dwarf Galaxias	Flinders Pygmy Perch	Platypus[6]	
WARRIGAL CREEK		-	-	Medium	Medium	NA	No further assessment
3588292	Unnamed	-	-	Medium	Medium	NA	No further assessment
3582535 (also 43043361, 3581139)	Unnamed	-	-	Medium	Medium	NA	No further assessment
HODDINOTT CREEK				High	High	NA	No further assessment
2026 Additional Waterways Identified in New Alignments							
Sunville Creek				High	High	-	NA[8]
3585299	Unnamed	-	-	Medium	Medium	-	
3581253	Unnamed	-	-	Medium	Medium	-	
43042004	Unnamed	-	-	Medium	Medium	-	

[8] *As these waterways were only identified as part of the 2026 assessment update, they were never assessed, inspected or surveyed.*

3.2 Stage 2: Aquatic Habitat Inspections and Targeted Surveys

3.2.1 Aquatic Habitat Inspections

Aquatic habitat inspections were undertaken over two survey rounds on 30–31 August and 1 September 2021, and 27–28 September 2022. The results of these inspections and associated field notes are provided in Appendix C and summarised in Table 4.

Of the 26 mapped waterways identified as transecting the 2021–2022 alignment during the desktop habitat assessment, four were ultimately inspected as part of the aquatic habitat inspection program. These waterways were located within the coastal drainage systems associated with the Bruthen Creek catchment and receiving environments linked to Jack Smith Lake.

Aquatic habitat within these inspected coastal drainage crossings was typically found to be highly ephemeral, with aquatic habitat most commonly represented by shallow, seasonally inundated channels supporting inundated terrestrial grasses and low emergent vegetation. More complex aquatic habitat features (e.g. persistent pools, submerged macrophytes or structurally complex aquatic vegetation) were largely absent from these sites.

Consequently, the majority of inspected waterways were considered to provide marginal to unsuitable habitat for threatened freshwater fish species typically associated with lowland wetlands and vegetated drainage systems (e.g. Dwarf Galaxias and Flinders Pygmy Perch). None of the inspected sites were considered to provide suitable habitat for Australian Grayling.

Australian Mudfish would only be expected to occur within low-gradient coastal drainage systems immediately adjacent to estuarine or back-barrier environments. While some inspected waterways occurred within this broader coastal setting, no habitat features indicative of suitable refugial habitat (e.g. persistent inundation, dense submerged or emergent vegetation) were observed at the time of inspection.

Several common native estuarine and freshwater fish species were detected at inspected sites (refer Table 5), indicating that survey methods were sufficient to detect small-bodied fish where present; however, Australian Mudfish were not recorded.

Table 4 Survey results (habitat)

Waterway ID	Waterway Name	Habitat Description	Habitat Photo
42824679	Unnamed	Highly ephemeral. Heavy cattle use. Habitat predominantly inundated terrestrial grasses/pasture, though small areas with what appeared sea/saline grass, indicating more regular permanent water (saline), and filamentous algae. Local farmer advised location dry at least 6 months of the year and unlikely to find fish.	
42824681			

Waterway ID	Waterway Name	Habitat Description	Habitat Photo
18401649 42824141			

3.2.2 Targeted Surveys

Targeted aquatic fauna surveys undertaken during the 2021–2022 assessment were limited to a cluster of four associated mapped waterways located within the coastal drainage systems associated with the Bruthen Creek estuarine environment (i.e. 42824679, 42824681, 18401649 and 42824141).

Across these inspected coastal drainage sites, no individuals of targeted Australian Grayling or Australian Mudfish, not any other threatened species were detected. However, a range of common freshwater and estuarine tolerant small-bodied fish species were recorded, confirming that does support a fish community and the survey methods were sufficient to detect aquatic fauna where present. Recorded species included:

Sites 42824679 / 42824681 (Photo 1a to Photo 2b)

- Common Galaxias (*Galaxias maculatus*)
- Herring (*family Clupeidae*)
- Tupong (*Pseudaphritis urvillii*)
- Small-mouthed Hardyhead (*Atherinosoma microstoma*)

Site 18401649 / 4284141

- No fish recorded
- Several tadpoles observed

In addition to fish, a range of common amphibians and aquatic invertebrates were observed at inspected sites.

In January 2025, a targeted burrowing crayfish (*Engaeus* spp.) survey was undertaken at Waterway 42806331, following identification of burrows within a highly ephemeral coastal drainage channel intersecting the proposed alignment (Aquatica 2025; Nature Advisory 2025).

The surveyed drainage feature was characterised by:

- Absence of surface water or flow at the time of survey;
- Dense riparian common reed (*Phragmites australis*);
- Fringing swamp paperbark (*Melaleuca ericifolia*) and *Eucalyptus* spp.;
- Spongy but largely dry substrate with drying terrestrial vegetation; and
- Numerous burrows located within fringing grasses beyond the primary drainage channel.

A total of five individual burrowing crayfish were captured from active burrows. Aquatica's laboratory identification, confirmed by DEECA's Arthur Rylah Institute, indicated the specimens were not consistent with any of the threatened South Gippsland burrowing crayfish species, and were most closely aligned with common lowland burrowing crayfish (*Engaeus quadrimanus*) and / or granular burrowing crayfish (*E. cunicularius*; Photo 3a/b; Aquatica 2025).

Table 5 Survey results (species recorded)

Waterway ID	Waterway Name	Target Species[9]	Species Recorded
42824679	Unnamed, associated with Bruthen Creek	AMF	• ~10 juvenile Common Galaxias up to 80 mm • 5 Herring up to 100 mm • 1 Tupong, ~140 mm • 2 Small-mouthed Hardyhead ~30 mm
42824681			• 1 Common Galaxias ~50 mm • 5 Herring ~50 mm to 80 mm • 1 Small-mouthed Hardyhead, ~30 mm
18401649	Unnamed	AMF	• No fish
42824141			• Unidentified tadpoles
42806331	Unnamed	Burrowing Crayfish	• Common Lowland and / or granular Burrowing Crayfish recorded as present



a b

Photo 1 Common Galaxias (a) and unidentified species of Herring (b)



a b

Photo 2 Tupong (a) and Small-mouthed Hardyhead (b)

[9] FPP = Flinders Pygmy Perch, DG = Dwarf Galaxias, AG = Australian grayling, AMF = Australian Mudfish

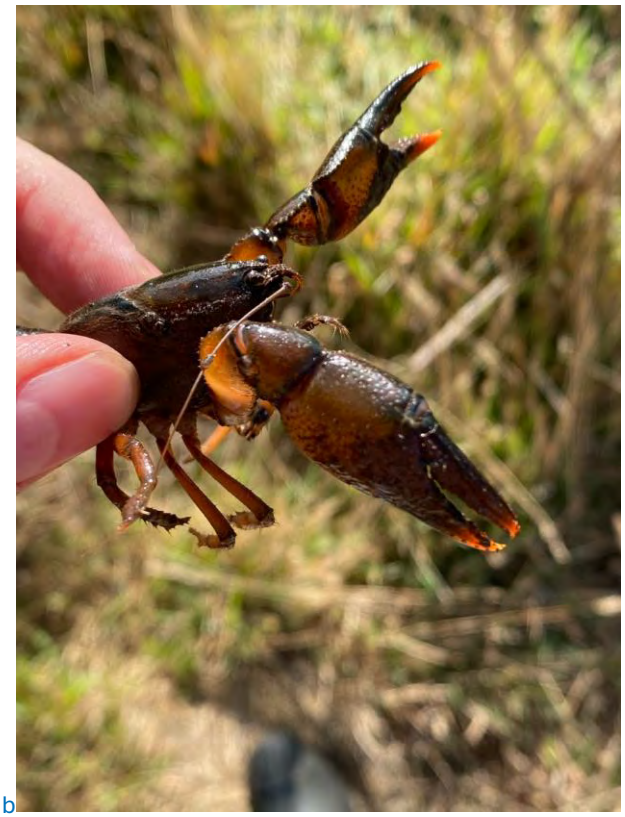
a  b 

Photo 3 Burrowing crayfish voucher specimens from Trap 14 (left) and Trap 48 (right; C. Donnelly)

4. SPECIES DESCRIPTIONS

To provide context for the Stage 1 desktop assessment, Stage 2 inspections and targeted surveys, and the LoO assessment (Section 5), the following provides a brief description of each target species and its habitat requirements.

4.1 Australian Grayling

Australian Grayling is listed as Vulnerable under the EPBC Act and FFG Act.

Australian Grayling is a small to medium-sized, slender, silvery fish typically recorded at ~170–190 mm total length, with larger individuals reported (Photo 5). It is a diadromous species, with spawning and/or early life stages linked to downstream estuarine or marine environments before juveniles recruit back into freshwater.

In freshwater, Australian Grayling is most commonly associated with cool, clear, flowing streams and rivers with alternating pools and riffles, typically with coarse substrates and instream cover. The species is generally linked to unregulated or less-modified flow regimes and intact connectivity between freshwater reaches and estuarine environments.

Within proximity to the project area there are only historical VBA records in Merriman Creek, north of the northern most extent of the alignment, all from Merrimans Creek, from 1981 near Gormandale and the mid-1970s near Seaspray (DELWP 2025a/b).



Figure 3 Australian Grayling distribution (ALA 2025)



Photo 4 Australian Grayling from Tarwin River West Branks, 2021 (A. Jenkin)

4.2 Australian Mudfish

Australian Mudfish is listed as Endangered under the FFG Act.

Australian Mudfish (Photo 5) are a small elongate fish which grows to 80-140 mm, is generally greenish brown, brown or blackish above, it is most similar to the Broad-finned Galaxias (*Galaxias brevipinnis*) and the Mountain Galaxias (*Galaxias olidus*). Its more obvious distinguishing features are its dorsal fin is situated above the anal fin, it has small eyes, rounded caudal fin and pronounced tubular nostrils (Cadwallader & Backhouse 1983, Koehan & Raadik 1991).

Australian Mudfish is diadromous (i.e. has a marine phase in its life cycle). Spawning is understood to occur during mid-winter in freshwater areas where its eggs and / or larvae are washed downstream to estuarine and sea environments. By spring a juvenile "white bait" phase begins migrating from saline environments into freshwater habitats which comprise swampy sites, drains and semi-permanent waters with abundant aquatic vegetation. The species is known to tolerate short periods without water (i.e. aestivate) by burrowing itself into mud substrate or sheltering under rocks and logs (Cadwallader & Backhouse 1983, Koehan & Raadik 1991, Whiterod et al 2019).

There were no existing records of the species in the 10 km study area and the nearest records are over 80 km southwest at Willson Promontory National Park (Figure 4). However as noted in in Section 3.1.1, the species is cryptic, likely under-recorded and suitable estuarine-associated coastal drainage and back-barrier swale habitats such as those associated with the waterways at Bruthren Creek.



Figure 4 Australian Mudfish records (ALA 2025)



Photo 5 Australian Mudfish from Barham River catchment near Apollo Bay from 2011 (A. Jenkin)

4.3 Dwarf Galaxias

Dwarf Galaxias (Photo 6) are a small freshwater fish endemic to south-eastern Australia that occur only in Victoria, South Australia and Tasmania. Typical maximum lengths are 40 mm for males and 34 mm for females with records up to 48 mm (Allen et. al. 2003).

Dwarf Galaxias is only known from the Mitchell River Basin near Bairnsdale, west to Dandenong Creek near Melbourne in Victoria, Flinders Island in Bass Strait and north-eastern and north-western Tasmania (Figure 5, SWIFT 2021).

Dwarf Galaxias are a non-migratory species adapted primarily to wetland environments (Saddlier et. al. 2010). Within wetland-type environments Dwarf Galaxias have a wide range of habitat requirements but typically occur in slow flowing, still, shallow, permanent and temporary, freshwater to slightly brackish waterways including wetlands, swamps, the backwaters of streams and creeks, drains and ditches, usually with dense aquatic, emergent or flooded vegetation (DoEE 2021; Allen et. al. 2003 and Saddlier et. al. 2010). The species also occurs in slower flowing lotic habitats where there is sufficient aquatic and emergent vegetation to provide harbour

from higher flows. Tolerant of a wide range of variations in temperature, salinity and pH, they are only found at lower elevations.

The species can occur in habitats that are ephemeral and partially or completely dry up during summer, where the wetlands/waterways rely on seasonal flooding and linkages to more permanent waterbodies, including connectivity to rivers and creeks. Dwarf Galaxias are also understood to seek refuge in freshwater crayfish/yabby burrows and are capable of aestivating (dormancy) in damp mud during drier periods (DoEE 2021, Saddlier et al 2010).

Existing records for Dwarf Galaxias occur approximately 5 km north of the northern alignment extent in Monkey Creek (Coleman et al. 2015), further north in Merriman's Creek, and approximately 9 km west in an upper reach of Bruthen Creek (approximately 15 km upstream of where the alignment crosses waterways associated with this creek).



Figure 5 Dwarf Galaxias distribution (ALA 2025)



Photo 6 Dwarf Galaxias from King Parrot Creek in 2022 (A. Jenkin)

4.4 Flinders Pygmy Perch

Flinders Pygmy Perch is listed as Vulnerable under the Victorian FFG Act.

The Flinders Pygmy Perch is a small, laterally compressed fish which grows to a maximum size of 85 mm (Photo 7).

The species inhabits a wide range of well-vegetated aquatic environments, including low-gradient waterways and floodplains characterised by still or gently flowing streams, lakes, billabongs, drains, dams, swamps and ephemeral creeks and wetlands and dense aquatic macrophyte cover or wood at shallow depths, which may have little or no flow in summer (DELWP 2021b).

Spawn occurs during spring to summer (September to January) at water temperatures of above 16°C (Kuiter et al. 1996 in DELWP 2021b). Very little is known of the breeding biology of this species, although in Aquatica's experience its breeding behaviour is similar to Southern Pygmy Perch, which lays demersal, non-adhesive eggs over aquatic vegetation and the substrate.

Strongly associated with the wider Latrobe River catchment north of the project aera, existing records for Flinders Pygmy Perch occur approximately 5 km north of the northern alignment extent in Monkey Creek (Coleman et al. 2015) and further north in Merriman's Creek, and approximately 9 km west in an upper reach of Bruthen Creek (approximately 15 km upstream of where the alignment crosses waterways associated with this creek).



Figure 6 Flinders Pygmy Perch geographic Distribution (DELWP 2021a)



Photo 7 Flinders Pygmy Perch from near Moe in 2014 (A. Jenkin)

4.5 Platypus

The Platypus is a semi-aquatic monotreme endemic to eastern Australia, inhabiting a range of freshwater environments including rivers, streams, wetlands and farm dams, typically where stable banks support burrowing and in-stream habitat complexity provides foraging opportunities (Photo 8; Woinarski et al. 2014; DCCEEW 2023). The species is wide-spread across Victoria, including in the wider Gippsland and Project Area region (Figure 7).

Platypus are generally associated with permanent or semi-permanent freshwater systems exhibiting moderate to low flow, with well-vegetated riparian zones and substrates that support abundant macroinvertebrate prey such as aquatic insects, crustaceans and worms (Grant 2007). While most commonly recorded in perennial waterways, the species is also known to utilise seasonally connected drainage networks and wetland systems, particularly where hydrological connectivity to more permanent refuge habitat is maintained(Serena & Williams 2010).

Since completion of the 2021–2022 assessment, Platypus has been listed as Vulnerable under the FFG Act. Although no records were returned within the immediate study area during the desktop data review, records are known from Merriman's Creek to the north and waterways near Woodside, indicating potential for occurrence within retained waterway crossings where suitable habitat is present.

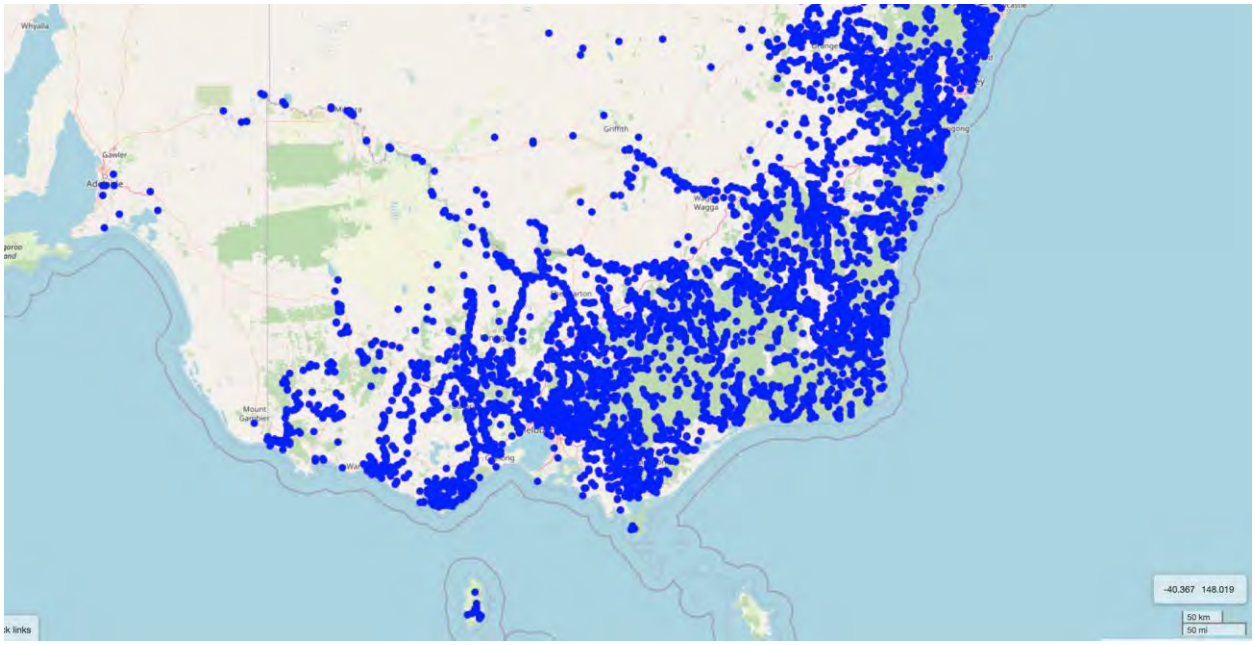


Figure 7 Platypus geographic distribution (ALA 2025)



Photo 8 Platypus from the Campaspe River 2025 (A Jenkin)

5. LIKELIHOOD OF OCCURRENCE ASSESSMENT

Using the LoO assessment criteria outlined in Table 2, and informed by:

- The results of the updated desktop assessment (Section 3.1);
- Aquatic habitat inspections and targeted surveys undertaken in 2021–2022 (Section 3.2); and
- The targeted burrowing crayfish survey completed in 2025.

Table 6 presents the reassessed likelihood of occurrence for each of the target species across waterways intersected by the current alignment.

For the majority of mapped waterways retained within, or newly intersected by, the proposed alignment, no additional field inspections were undertaken as part of this 2026 update, as these waterways were previously assessed as providing low potential habitat at the desktop stage of the original 2021–2022 assessment.

Accordingly, this reassessment draws upon:

- Field-validated habitat information obtained during the 2021–2022 inspections and surveys at selected waterways (where available);
- Outcomes of the 2025 targeted burrowing crayfish survey (only for unnamed waterway 42806331);
- Photographs obtained by AECOM's surface water team during a December 2024 site inspection; and
- Available habitat characterisation derived from aerial imagery, mapping, and relevant information presented in the Onshore Ecology (Nature Advisory 2025) and Surface Water (AECOM 2025) technical reports.

Consistent with the targeted scope of the original assessment, field inspections and/or targeted surveys were undertaken only at waterways identified through desktop analysis as providing moderate or greater potential habitat for target species. A number of waterways retained within, or newly intersected by, the proposed alignment were therefore not subject to field inspection. In these instances, likelihood of occurrence has been assigned based on available desktop information and habitat characterisation from the sources listed above, noting that many of the intersected drainage systems are ephemeral and may express more suitable habitat characteristics under different seasonal or flow conditions than those observed at the time of available inspections or imagery. The evidence basis for habitat characterisation at each waterway is identified in Table 6.

For waterways not subject to field inspection, habitat suitability and connectivity have been inferred from available aerial imagery, mapping and secondary habitat descriptions and should therefore be interpreted as indicative only. Likelihood of occurrence ratings assigned to these waterways represent a screening-level assessment of ecological plausibility rather than confirmation of habitat presence or dispersal pathways.

The LoO assessment presented herein represents a screening-level plausibility assessment of aquatic fauna occurrence within hydrologically connected coastal drainage environments, informed by species ecology and detectability constraints, for the purposes of impact risk management, rather than an assessment of established population presence within individual waterways.

5.1 Summary of Likelihood of Occurrence Assessment Outcomes

The LoO assessment identified clear differences in ecological plausibility between target aquatic fauna species across waterways intersected by the current onshore transmission alignment (Table 6). Ratings reflect habitat condition, hydrological regime, degree of modification and connectivity to coastal receiving environments, and are applied as a screening-level assessment of plausibility rather than confirmation of presence.

Australian Grayling was assessed as Negligible to Low across all waterways. No waterways intersected by the alignment exhibit persistent, cool, flowing freshwater habitat with gravel substrate and defined pool–riffle morphology typically associated with this diadromous species. The predominance of ephemeral or seasonally intermittent drainage features, combined with modified agricultural contexts and limited channel definition in many systems, substantially constrains habitat suitability. The Low rating applied to selected waterways

reflects theoretical hydrological connectivity to coastal receiving environments rather than habitat suitability within the impact footprint itself.

Australian Mudfish was assessed predominantly as Negligible to Very Low across the drainage network, reflecting the largely ephemeral and modified nature of intersected waterways. However, a Moderate likelihood rating has been retained for Waterway 42824679 (Unnamed, associated with Bruthen Creek). This rating reflects its proximity to the coastal drainage network and potential seasonal connectivity to estuarine receiving environments, rather than confirmed refuge habitat within the crossing footprint. While the waterway is highly ephemeral and subject to cattle disturbance, small areas of semi-permanent or saline-influenced water and broader system connectivity support a precautionary Moderate plausibility assessment at this location. All other waterways were assessed as Low, Very Low or Negligible where inland position, fragmentation by farm dams, saline wetlands or intermittent flow regimes reduce upstream dispersal potential.

Dwarf Galaxias and Flinders Pygmy Perch were assessed as Low at a greater number of waterways relative to the other target species. These species are known to utilise intermittently inundated floodplain wetlands, vegetated drainage depressions and low-gradient coastal systems. Accordingly, Low ratings reflect ecological plausibility within the broader coastal wetland network discharging toward Jack Smith Lake, particularly where aerial imagery indicates interconnected wetland complexes or potential refuge waterbodies. The ratings do not imply established populations within the intersected sub-catchments, but recognise potential episodic occupation within hydrologically connected systems.

Platypus was assessed as Negligible to Very Low across most waterways, consistent with the absence of persistent pool habitat, stable earthen banks suitable for burrow construction, and sustained baseflow. While larger coastal-proximal systems (e.g. Bruthen Creek and Warrigal Creek) may provide intermittent foraging opportunities downstream of the alignment, the majority of intersected drainage features are unlikely to support conditions suitable for sustained occupancy.

Targeted aquatic fauna surveys were undertaken by Aquatica in 2021–2022 at selected waterways identified at that time as presenting greater habitat potential. With the exception of the targeted burrowing crayfish survey completed at Waterway 42806331 in January 2025, no additional aquatic fauna surveys were undertaken for waterways newly intersected by the proposed alignment. Likelihood ratings for those waterways are therefore derived from desktop habitat characterisation, aerial imagery interpretation and hydrological connectivity assessment.

Overall, the LoO assessment reflects the dominance of ephemeral, low-gradient and agriculturally modified drainage features within the Project Area. Where seasonal inundation and broader coastal connectivity may provide intermittent refuge habitat within connected receiving environments, a precautionary Low to Moderate screening-level rating has been applied. In all cases, ratings represent ecological plausibility based on available evidence and do not constitute confirmation of presence.

Table 6 Likelihood of occurrence in proximity to project area assessment

Waterway ID	Waterway Name	Habitat Description Drawn from Aquatica 2025, AECOM 2025, Nature Advisory 2025	Waterway Habitat Description Source(s)	Likelihood of occurrence				
				Australian Grayling	Australian Mudfish	Dwarf Galaxias	Flinders Pygmy Perch	Platypus[10]
2021/22 Waterways								
42824679 42824681 18401649 42824141	Unnamed, associated with Bruthen Creek	• Highly ephemeral drainage line. • Heavy cattle use. • Channel comprised predominantly of inundated terrestrial grasses/pasture. • Small areas of saline/semi-permanent water indicated by sea/saline grass and filamentous algae. • Reported by landholder to be dry for at least ~6 months per year.	Desktop / inspected / surveyed (Aquatica 2021–2022) Inspected (nature Advisory 2025) Inspected (AECOM 2025)	Low	Moderate	Low[11]	Low	Very Low

[10] *Species was not considered or assessed during the 2021/22 assessment*
[11] *Recorded approx.. 17 km upstream in Bruthen Creek, but assumed unable to occur this close to the coast due to saline water influences.*

Waterway ID	Waterway Name	Habitat Description Drawn from Aquatica 2025, AECOM 2025, Nature Advisory 2025	Waterway Habitat Description Source(s)	Likelihood of occurrence				
				Australian Grayling	Australian Mudfish	Dwarf Galaxias	Flinders Pygmy Perch	Platypus[10]
42806331[12]	Unnamed	• Coastal drainage feature near estuarine interface. • Defined channel. • Possible permanent refuge pools distal from alignment. • Ephemeral to seasonally inundated. • Low-lying pasture/floodplain context. • Burrowing crayfish habitat (commons species present; Aquatica 2025) associated with damp soils and shallow drainage depressions. • No permanent flowing channel evident at time of survey.	Desktop (Aquatica 2021–2022) Inspected (AECOM 2025) Inspected / surveyed[13] (Aquatica 2025)	Negligible	Low	Low	Low	Negligible
43055581	Unnamed	• Ephemeral drainage feature. • Low structural complexity. • Inundated pasture grasses when wet. • No evidence of persistent pool habitat.	Desktop (Aquatica 2021–2022)	Negligible	Low	Low	Negligible	Negligible
43055579 3598071 3596185	Unnamed	• Low gradient coastal wetland/lake complex. • Shallow margins. • Extensive reedbeds and emergent vegetation in parts. • Estuarine influence.	Desktop (Aquatica 2021–2022)	Negligible	Very Low	Low	Low	Negligible

[12] *Common burrowing crayfish present.*
[13] *Survey for burrowing crayfish only).*

Waterway ID	Waterway Name	Habitat Description Drawn from Aquatica 2025, AECOM 2025, Nature Advisory 2025	Waterway Habitat Description Source(s)	Likelihood of occurrence				
				Australian Grayling	Australian Mudfish	Dwarf Galaxias	Flinders Pygmy Perch	Platypus[10]
44076766 44076767	MORRIS CREEK	• Tributary system discharging toward Jack Smith Lake. • Low gradient. • Modified in sections through agricultural land. • Variable flow regime (seasonal to intermittent). • Riparian vegetation variable; modified pasture in parts. • In places associated with broader floodplain drainage features.	Desktop (Aquatica 2021–2022)	Negligible	Negligible	Low	Low	Negligible
3595497 3595484 3594383 3593740	Unnamed	• Ephemeral floodplain system • Aerial imagery shows series of wetlands/ponds up and downstream • Possible refuge waterbodies	Desktop (Aquatica 2021–2022)	Negligible	Negligible	Low	Low	Negligible
43045959 44748186	WARRIGAL CREEK	• Discharging to Jack Smith Lake. • Low gradient coastal plain system. • Seasonal/intermittent flow. • Sections modified through agricultural land. • Some areas with riparian vegetation and wetland/fringing vegetation.	Desktop (Aquatica 2021–2022)	Negligible	Negligible	Low	Low	Negligible

Waterway ID	Waterway Name	Habitat Description Drawn from Aquatica 2025, AECOM 2025, Nature Advisory 2025	Waterway Habitat Description Source(s)	Likelihood of occurrence				
				Australian Grayling	Australian Mudfish	Dwarf Galaxias	Flinders Pygmy Perch	Platypus[10]
3589004	Unnamed	• Aerial imagery show likely highly ephemeral drainage line. • Interconnected to farm dams and low-lying wet areas. • Conness downstream to Warrigal Creek.	Desktop (Aquatica 2021–2022)	Negligible	Negligible	Low	Low	Negligible
3582535 43043361 3581139	Unnamed	• Aerial imagery shows likely ephemeral drainage line. • Interconnected to farm dams and low-lying wet areas. • Conness downstream to Hoddinott Creek. • Appears to have a large upper catchment, some set in forestry.	Desktop (Aquatica 2021–2022)	Negligible	Negligible	Low	Low	Negligible
18984923	HODDINOTT CREEK	• Connected via Sunville Creek to Warrigal Creek. • Interconnected to farm dams and low-lying wet areas. • Low gradient drainage. • Modified through agricultural landscape. • Likely intermittent flow. • Associated floodplain drainage features.	Desktop (Aquatica 2021–2022) Desktop / inspect (AECOM 2025)	Negligible	Negligible	Low	Low	Negligible
2026 Additional Waterways Identified in New Alignments								

Waterway ID	Waterway Name	Habitat Description Drawn from Aquatica 2025, AECOM 2025, Nature Advisory 2025	Waterway Habitat Description Source(s)	Likelihood of occurrence				
				Australian Grayling	Australian Mudfish	Dwarf Galaxias	Flinders Pygmy Perch	Platypus[10]
-	Sunville Creek	• Ephemeral to intermittently flowing coastal drainage. • Interconnected to farm dams and low-lying wet areas. • Low gradient. • Drains toward Warrigal Creek and ultimately Jack Smith Lake. • Agricultural context. • Seasonal flow regime.	Desktop only – no inspection / survey Inspected (Nature Advisory 2025) Desktop only (AECOM 2025)	Negligible	Very Low	Low	Low	Negligible
3585299	Unnamed Sunville Creek tributary	• Ephemeral agricultural drainage. • Artificially modified drainage morphology. • Interconnected to farm dams and low-lying wet areas. • Low habitat structural complexity. • Seasonally inundated.	Desktop only (AECOM 2025)	Negligible	Very Low	Low	Low	Negligible
3581253	Unnamed (Hoddinott / Sunville system)	• Minor ephemeral drainage feature. • Agricultural context. • Interconnected to farm dams and low-lying wet areas. • Limited defined channel. • Seasonal inundation only.	Desktop only (AECOM 2025)	Negligible	Very Low	Low	Low	Negligible

Waterway ID	Waterway Name	Habitat Description Drawn from Aquatica 2025, AECOM 2025, Nature Advisory 2025	Waterway Habitat Description Source(s)	Likelihood of occurrence				
				Australian Grayling	Australian Mudfish	Dwarf Galaxias	Flinders Pygmy Perch	Platypus[10]
43042004	Unnamed	• Ephemeral coastal drainage. • Discharging toward near-coastal environments linked to Jack Smith Lake. • Interconnected to farm dams and low-lying wet areas. • Low gradient. • Likely saline influence in lower reaches.	Desktop only (AECOM 2025)	Negligible	Negligible	Low	Low	Negligible

6. POTENTIAL IMPACTS AND MITIGATION MEASURES

6.1 Potential Impact Pathways

The original 2021–2022 aquatic assessment did not include a detailed evaluation of project-specific aquatic impact pathways associated with the installation of the onshore transmission alignment. As part of the current update, and to support interpretation of the LoO assessment presented in Section 5, consideration has been given to the primary mechanisms by which the proposed works may interact with mapped waterways and associated aquatic habitats.

This updated understanding has been informed by:

- aquatic habitat inspections and targeted surveys undertaken by Aquatica in 2021–2022;
- the targeted burrowing crayfish survey completed in January 2025;
- habitat and drainage characterisation provided in the Onshore Ecology Assessment (Nature Advisory 2025); and
- hydrological and drainage function information presented in the Surface Water Assessment (AECOM 2025).

Based on these sources, the principal pathways through which aquatic habitat disturbance may occur within the Project Area are expected to include:

- temporary disturbance to waterway beds, banks and adjacent floodplain areas associated with trenching or other crossing methods;
- vegetation clearance and access track establishment within or adjacent to drainage depressions and ephemeral waterways;
- temporary modification or diversion of local drainage lines to facilitate construction;
- disturbance of unconsolidated substrates within seasonally inundated or intermittently flowing channels;
- mobilisation of sediments within low-gradient floodplain drainage systems during rainfall or flow events; and
- post-construction erosion or localised instability prior to reinstatement of pre-existing drainage morphology and vegetation cover.

The duration of trenching works at individual waterway crossings is anticipated to vary depending on crossing width, substrate and installation methodology. For the purposes of this assessment, a construction duration of up to approximately seven days has been assumed for waterway crossings involving open trench methods, consistent with the Surface Water Assessment (AECOM 2025). The potential magnitude and duration of aquatic habitat disturbance considered herein therefore reflects this timeframe.

It is noted that a substantial proportion of mapped waterways intersected by the alignment comprise ephemeral or seasonally inundated coastal plain drainage features which may not express aquatic habitat characteristics under drier seasonal conditions. As such, reliance on site inspections, imagery and secondary habitat descriptions obtained during relatively low-flow periods may under-represent the extent or condition of aquatic habitat present during wetter phases of the seasonal hydrological cycle.

The potential aquatic impacts described in Section 6.1 should therefore be interpreted in the context of these disturbance pathways and the seasonally variable nature of many of the drainage features intersected by the proposed alignment.

6.2 Potential Impacts

There are a range of potential impacts that the project and proposed works could impart on Dwarf Galaxias, Flinders Pygmy Perch or other native fish populations and their habitat present at or downstream of the Project Area.

These may include:

- **Sedimentation during construction and post-works**:
  Sedimentation/siltation, and subsequently reduced water quality are a key threat to many aquatic biota. Sediment could be discharged into the waterways during trenching or other works near the waterways such as vegetation removal and installation/construction of access tracks, earthworks, temporary laydown areas and drainage reinstatement activities. In particular, higher rainfall and flow events during works have the potential to disturb and distribute project sediments further afield and impact upon surface water quality and aquatic habitat.
- **Loss of aquatic habitat**:
  Removal or disturbance of aquatic habitat (i.e. aquatic vegetation, woody timber, substrate, etc.) within drainage lines, depressions or low-lying floodplain features may result in a reduction in overall availability of aquatic habitat quantity and quality and could contribute to the cumulative reduction in the waterways' overall condition.
- **Loss/removal of riparian vegetation**:
  Removal of riparian or fringing vegetation (where present), including within ephemeral or seasonally inundated drainage systems, may result in a reduction in aquatic habitat quality (reduced cover/shading)
- **Unmanaged disturbance to waterway banks and channel**:
  Unmanaged works on the waterways' banks and channel may occur beyond the actual works area. If not appropriately protected or delineated, these works have the potential to result in disturbance to creek banks, shallow floodplain drainage features and wetland margins.
- **Contamination of waterway**:
  Reduced water quality is recognised as a key threat to many aquatic biota. Accidental spills of fuels, oils and other construction-related contaminants are possible during works and have the potential to impact water and habitat quality in the waterways and their downstream receiving environments.
- **Reduced downstream water quality**:
  Trenching works across waterways pose a risk to water quality through the disturbance to bed, banks and floodplain, removal of vegetation, suspension of sediments or the release of pollutants into the waterways. This has the potential to impact both immediate and downstream aquatic habitat areas and downstream receiving waterways.
  The post-works phase of the project (i.e. post-construction) also presents possible threats to water quality through erosion while the site is re-established and/or due to vehicle or road use related pollutants once in operation (e.g. oils/fuels in stormwater, litter, etc.).
- **Alteration to natural flow/hydrological regime**:
  The installation of temporary structures within waterways (if required) has the potential to alter the natural flow regime in the immediate vicinity of crossings. Temporary coffer dams, diversions or culverts may reduce the cross-sectional area of drainage features, thereby increasing flow velocities and turbulence at those structures.
  Depending on timing and flows at the time of work, the project may temporarily impact the natural 'flooding' flow of the waterway through the Project Area during higher flow events (e.g. those events where water levels rise to inundate adjacent floodplain drainage areas).
  Installation of bunding, sediment fencing and other temporary floodplain control structures may prevent natural flows and/or cause flows to be diverted locally during construction.
- **Temporary disruption to drainage connectivity**:
  Construction works within low-gradient coastal drainage systems may temporarily interrupt hydrological connectivity between seasonally inundated depressions, wetlands or minor tributary channels, potentially affecting the movement of aquatic fauna between refuge habitats during wetter seasonal conditions.
- **Post-construction erosion prior to reinstatement**:
  Following installation of the transmission alignment, disturbed drainage lines and ephemeral waterways may be susceptible to short-term erosion or localised instability prior to reinstatement of pre-existing channel form, drainage function and vegetation cover.

- **Incursion by weeds**:
  A wide range of common weed species are likely present in the Project Area. Works in the Project Area and/or insufficient or inappropriate rehabilitation of works areas have the potential to allow further incursion of weeds if not appropriately managed.

6.3 Mitigation Measures to Avoid and Reduce Impacts

This section includes a range of recommended avoidance and mitigation measures to prevent and/or reduce the risk of the potential impacts outlined in Section 6.1. These measures are consistent with those applied on similar linear infrastructure projects where works intersect waterways and/or where protected aquatic biota may be present. In accordance with the Project's environmental management framework (FFM-M010), a Designated Waterway Crossing Management Plan (DWCMP) will be prepared in consultation with the DEECA and the West Gippsland Catchment Management Authority (WGCMA) to describe how the Project will manage and control impacts on designated waterways during construction. The mitigation measures outlined in this section may inform the preparation of that plan.

The potential impacts of most concern for aquatic fauna relate to habitat disturbance, water quality degradation and disruption to hydrological connectivity, which may occur during the construction phase of the Project. It is anticipated that these measures would be incorporated into the Project Environmental Management Plan (EMP) and implemented in accordance with broader project commitments relating to erosion and sediment control, drainage reinstatement and post-construction rehabilitation:

6.3.1 Design / Pre-construction Phase

1. Design any waterway crossings, trenches and associated structures and works areas to have the smallest practicable footprint within waterways and floodplain drainage features.
2. Design works areas so that stormwater runoff and/or spills from the works area are not discharged directly into waterways or associated drainage depressions, including through appropriate site drainage and diversion measures.
3. Water quality monitoring should be undertaken to collect baseline data at monitoring sites upstream and downstream of the limits of the Project Area and at appropriate locations in the waterway upstream and downstream of each point source (or flow) entering along the length of waterway within the Project Area.
4. Baseline water quality data should be collected weekly for at least one month (four weekly samples) prior to the commencement of Project Area establishment and should include those parameters outlined in Error! Reference source not found Table 7. For ephemeral drainage lines that are dry for extended periods, baseline monitoring should be undertaken opportunistically when surface water is present, rather than on a fixed weekly schedule. Monitoring design should be proportionate to hydrological regime and ecological risk.
5. Where works are proposed within defined drainage lines or seasonally inundated floodplain features, pre-construction identification of drainage pathways should be undertaken to inform reinstatement of pre-existing drainage morphology and hydrological connectivity following completion of works.
6. Prior to commencement of works at any waterway crossing where surface water is present, a suitably qualified aquatic ecologist should undertake a pre-construction inspection to confirm the presence or absence of aquatic fauna and identify any habitat features requiring protection or specific management during works.

Table 7 Water quality monitoring parameters and methods

Parameter	Units	Method
Turbidity	NTU	Measure with on-site meter
Electrical Conductivity	µS/cm	Measure with on-site meter
pH	pH units	Measure with on-site meter

Parameter	Units	Method
Dissolved oxygen	% or mg/L	Measure with on-site meter
Temperature	°C	Measure with on-site meter
Litter (definition, including solid inert waste)	Visual (prevent litter from entering waterways and drainage systems)	
Oils and Greases	Visual (No visible free oil or greases)	
Rainfall	mm per day	Measure with on-site meter capable of logging rainfall at a minimal interval of 10 minutes

6.3.2 Construction Phase

7. Stage construction so that in-waterway works occur during the lower rainfall time of year, typically between December and March where practicable.
8. Protect retained/unimpacted aquatic and waterway habitat by minimising the construction footprint and installing No-Go Zone (NGZ) exclusion fencing and sediment fencing adjacent to waterways and drainage features.
9. Stockpiles of earthworks and materials, and all fuels/oils/chemicals and equipment are to be stored outside of the waterway channel and associated floodplain drainage areas, ideally on mobile platforms that can be readily moved should a flood event be predicted. Fuels, oils and chemicals shall be stored in a suitably bunded and protected location.
10. Any construction works that occur in a waterway channel or floodplain shall include emergency measures within the Project EMP to, as far as reasonably practicable, protect earthworks and works areas from inundation and/or include protocols for site closure in response to predicted higher rainfall or flow events.
11. The Project EMP should include provision for weather and waterway condition monitoring using data from the Bureau of Meteorology and/or relevant Catchment Management Authority.
12. Implement disease/pest/hygiene controls for all plant and personal protective equipment (PPE) entering site to minimise the risk of aquatic pathogen transfer between waterways.
13. Any excavations or structures within or adjacent to waterways that have the potential to trap aquatic fauna (e.g. excavated trenches, sumps, isolated pools and sediment/exclusion fencing) should be inspected prior to and during dewatering activities, with salvage and relocation of any aquatic fauna undertaken where necessary. Where works are proposed within waterways hydrologically connected to coastal wetland or estuarine systems, ecological supervision should be implemented during excavation and dewatering to minimise the risk of direct impacts to aquatic fauna. Salvage and relocation should only be undertaken by appropriately experienced and licensed personnel in accordance with relevant statutory approvals.
14. Measures should be implemented to filter any onsite surface water prior to release to waterways. Water discharged from the site should not detrimentally impact the quality of water in receiving waterways and water quality monitoring should occur to confirm relevant water quality requirements are met.
15. For any temporary structure installed within a drainage feature, erosion and sediment controls are to be in place to minimise the extent of exposed or erodible surfaces during construction.
16. Disturbed drainage lines and ephemeral waterways should be reinstated to their pre-construction profile and drainage function as soon as practicable following completion of trenching or crossing works.
17. Reinstate and revegetate disturbed works areas, including disturbed waterway banks, beds and adjacent riparian areas, using local provenance plant species where practicable, immediately following completion of temporary or permanent works, and consistent with the reinstatement principles outlined in the Surface Water Technical Report (AECOM 2025).

18. Ensure the Project EMP includes provision for emergency response actions in the event of an incident that impacts water quality or aquatic habitat (e.g. spill or sediment release)

6.3.3 Operational Phase

19. Following completion of all construction, monitoring of water quality, revegetation, weeds, earthworks/structures and any remaining controls should continue for a period of time until the crossing has deemed the project area stabilised and the risk of further impact/s negligible.

7. CONCLUSION

Overall, this updated aquatic assessment for the revised onshore transmission alignment concluded the following key points:

- Based on desktop habitat characterisation undertaken in 2021–2022, supported by targeted aquatic habitat inspections, the 2025 burrowing crayfish survey, and habitat information provided in the Onshore Ecology and Surface Water technical assessments (Nature Advisory 2025; AECOM 2025), the majority of waterways intersected by the proposed alignment are considered to comprise low-gradient coastal drainage features that are ephemeral or seasonally inundated in nature.
- Aquatic habitat within many of these waterways is likely to be intermittently expressed, typically comprising shallow drainage lines, inundated pasture, floodplain depressions and farm-modified drainage systems that may not consistently provide suitable habitat for threatened aquatic fauna species.
- The presence of EPBC Act and FFG Act-listed **Dwarf Galaxias** within waterways directly intersected by the Project Area is not supported by existing VBA records or targeted surveys, with no confirmed records occurring within the alignment or immediately adjacent intersected drainage features. However, given the species' capacity to utilise intermittently inundated floodplain environments and vegetated drainage depressions, its occurrence within downstream or hydrologically connected coastal wetland environments associated with the lower Bruthen Creek system cannot be entirely excluded. Accordingly, a precautionary screening-level likelihood of occurrence has been applied where marginal habitat may occur within connected drainage features.
- Similarly, while **Flinders Pygmy Perch** have not been recorded within waterways intersected by the proposed alignment and available occurrence records are associated with separate inland catchments, the species is known to utilise modified low-gradient drainage systems, including seasonally inundated wetlands and farm dams. Where aspects of suitable habitat may occur within hydrologically connected coastal drainage environments, a precautionary Low likelihood of occurrence has therefore been assigned for impact risk management purposes.
- **Australian Mudfish** and **Australian Grayling** were not recorded within the Project Area during previous surveys and were assessed as having low to very low likelihood of occurrence within most waterways intersected by the proposed alignment, reflecting the absence of persistent instream habitat and limited evidence of connectivity to known source populations within the relevant coastal drainage sub-catchments. However, for Australian Mudfish, given the potential for suitable refuge habitat within intermittently inundated coastal drainage systems and the species' low detectability, its occurrence within waterways associated with the lower Bruthen Creek coastal network cannot be entirely excluded.
- **Platypus** were not recorded within the Project Area and available habitat information indicates that the majority of waterways intersected by the proposed alignment are unlikely to provide suitable long-term habitat for the species. However, connectivity to larger downstream systems means that transient use of lower coastal drainage environments during seasonal dispersal or for foraging cannot be entirely discounted.
- Common native and introduced fish species were recorded during previous targeted surveys within coastal drainage features closest to the estuarine interface, indicating that these systems may provide seasonal or refuge habitat for small-bodied fish species when inundated.
- Opportunities exist to schedule trenching or crossing works at ephemeral waterways during drier periods where surface water is absent or reduced, thereby minimising the risk of direct impacts to aquatic fauna and aquatic habitat.
- Notwithstanding the above, for any waterway crossing where surface water is present at the time of works, appropriate measures should be implemented to manage the potential for aquatic fauna to be encountered during construction. These may include pre-construction inspections, ecological supervision of in-water works and, where required, salvage and relocation of aquatic fauna in accordance with relevant approvals.

The mitigation measures outlined in Section 6.3 are recommended for incorporation into the Project's Construction Environmental Management Plan (CEMP) and associated Project EMP. A DWCMP is to be prepared for the Project as described in Section 6.3 of this report.

Implementation of these measures will assist in avoiding or minimising potential impacts to aquatic fauna and their habitats during construction of the onshore transmission alignment, and will ensure consistency with the environmental management commitments developed for the Project through the EES and EIS processes.

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Appendix A Species recorded within the 10 km study area

Taxon ID	Common Name	Scientific Name	Status		Records	
			EPBC Act	FFG Act	Count	Last Record
FISH						
4876	Australian Bass	*Percalates novemaculeatus*			2	30/9/1993
4686	**Australian Grayling**	***Prototroctes maraena***	**VU**	**vu**	**2**	**23/2/1976**
4918	Black Bream	*Acanthopagrus butcheri*			4	20/3/2019
5080	Black Sole	*Brachirus nigra*			1	20/3/2019
5020	Bridled Goby	*Arenigobius bifrenatus*			2	29/9/1993
4694	Climbing Galaxias	*Galaxias brevipinnis*			2	30/10/1990
4696	Common Galaxias	*Galaxias maculatus*			13	5/1/2023
903044	Eastern Australian Smelt	*Retropinna sp. 2*			6	1993
5141	Eastern Bluespot Goby	*Pseudogobius eos*			6	20/3/2019
4838	Eastern Fortesque	*Centropogon australis*			2	20/3/2019
4895	Eastern School Whiting	*Sillago flindersi*			3	20/3/2019
4875	Estuary Perch	*Percalates colonorum*			3	20/3/2019
5060	Flatheaded Gudgeon	*Philypnodon grandiceps*			3	25/8/1983
903041	**Flinders Pygmy Perch**	***Nannoperca sp. 1***		**vu**	**9**	**2023**
5073	Greenback Flounder	*Rhombosolea tapirina*			5	20/3/2019
4598	Lampreys	*cla. Petromyzontida ord. Petromyzontiformes*			2	1983
4652	Longfin Eel	*Anguilla reinhardtii*			3	30/9/1993

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Taxon ID	Common Name	Scientific Name	Status		Records	
			EPBC Act	FFG Act	Count	Last Record
5071	Longsnouted Flounder	*Ammotretis rostratus*			1	29/9/1993
4930	Luderick	*Girella tricuspidata*			2	20/3/2019
4874	**Macquarie Perch**	***Macquaria australasica***	**EN**	**en**	**1**	**1/11/1926**
4865	Port Jackson Glassfish	*Ambassis jacksoniensis*			1	20/3/2019
4601	Pouched Lamprey	*Geotria australis*			2	30/10/1990
4659	Sandy Sprat	*Hyperlophus vittatus*			2	29/9/1993
5044	Scary's Tasmangoby	*Tasmanogobius lasti*			4	12/8/1979
4964	Sea Mullet	*Mugil cephalus*			1	29/9/1993
4603	Shorthead Lamprey	*Mordacia mordax*			12	30/9/1993
4782	Smallmouthed Hardyhead	*Atherinosoma microstoma*			9	20/3/2019
5107	Smooth Toadfish	*Tetractenos glaber*			5	20/3/2019
4840	Soldierfish	*Gymnapistes marmoratus*			2	20/3/2019
4884	Southern Pygmy Perch	*Nannoperca australis*			6	30/10/1990
4651	Southern Shortfin Eel	*Anguilla australis*			12	25/9/1998
5018	Tamar Goby	*Afurcagobius tamarensis*			8	20/3/2019
528546	Tench	*Tinca tinca*			1	1914
5102	Toadfish	*ord. Tetraodontiformes fam. Tetraodontidae*			1	2019
4985	Tupong	*Pseudaphritis urvillii*			12	5/1/2023
4890	Whiting	*fam. Sillaginidae gen. Sillaginodes*			1	1993
4960	Yellow-eye Mullet	*Aldrichetta forsteri*			3	20/3/2019

Taxon ID	Common Name	Scientific Name	Status		Records	
			EPBC Act	FFG Act	Count	Last Record
INVERTEBRATES						
1744		*fam. Baetidae gen. Baetis*			7	1999
1755		*fam. Baetidae gen. Centroptilum*			1	1991
1810		*fam. Leptophlebiidae gen. Nousia*			9	1999
1813		*fam. Leptophlebiidae gen. Koorrnonga*			4	1999
1823		*fam. Leptophlebiidae gen. Ulmerophlebia*			1	1999
2032		*fam. Synlestidae gen. Synlestes*			1	1999
3399		*fam. Micronectidae gen. Micronecta*			1	1991
3684		*fam. Dytiscidae gen. Allomatus*			1	1999
3687		*fam. Dytiscidae gen. Batrachomatus*			3	1999
3747		*fam. Gyrinidae gen. Macrogyrus*			1	1990
3774		*fam. Hydrophilidae gen. Hydrochus*			1	1999
3829		*fam. Hydrophilidae gen. Helochares*			1	1991
3960		*fam. Elmidae gen. Simsonia*			1	1999
4135		*fam. Chironomidae gen. Procladius*			1	1991
4148		*fam. Chironomidae gen. Paramerina*			1	1999
4162		*fam. Chironomidae gen. Parakiefferiella*			3	1991
4164		*fam. Chironomidae gen. Stictocladius*			2	1999
4168		*fam. Chironomidae gen. Corynoneura*			1	1991
4171		*fam. Chironomidae gen. Thienemanniella*			6	1991

Taxon ID	Common Name	Scientific Name	Status		Records	
			EPBC Act	FFG Act	Count	Last Record
4186		*fam. Chironomidae gen. Cricotopus*			2	1991
521429		*ord. Lepidoptera fam. Crambidae*			1	1999
564	Air-breathing freshwater snails	*supf. Lymnaeoidea fam. Lymnaeidae*			2	2005
1447	Amphipod	*supf. Talitroidea fam. Ceinidae*			3	2009
1449	amphipod	*Austrochiltonia australis*			1	1990
1517	Amphipods	*supf. Crangonyctoidea fam. Paramelitidae*			2	2008
573	Ancylids	*trib. Ancylidae gen. Ferrissia*			1	1999
3432	Back Swimmers	*supf. Notonectiodea fam. Notonectidae*			1	2004
4414	Biting Midges	*supf. Chironomoidea fam. Ceratopogonidae*			4	2008
4461	Black Flies	*ord. Diptera fam. Simuliidae*			6	2006
4463	Black fly	*Austrosimulium (Austrosimulium) cornutum*			6	1999
4466	Black fly	*Austrosimulium (Novaustrosimulium) furiosum*			3	1999
4468	Black fly	*Austrosimulium (Novaustrosimulium) victoriae*			1	1999
4479	black fly	*Simulium (Nevermannia) ornatipes*			3	1991
4482	black fly	*Simulium (Morops) melatum*			2	1990
598	Bladder snails	*supf. Planorboidea fam. Physidae*			3	2009
4262	Bloodworms	*fam. Chironomidae gen. Tanytarsus*			1	1990
4294	Bloodworms	*fam. Chironomidae gen. Paratanytarsus*			1	1990
4300	Bloodworms	*fam. Chironomidae gen. Rheotanytarsus*			4	1999
74145	Bloodworms	*fam. Chironomidae gen. Ablabesmyia*			1	1991

Taxon ID	Common Name	Scientific Name	Status		Records	
			EPBC Act	FFG Act	Count	Last Record
2034	Bronze Needle Damselfly	*Synlestes weyersii*			3	1999
50162	Burrowing Crayfish	*Engaeus spp.*			2	2001
2569	Caddisflies	*supo. Amphiesmenoptera ord. Trichoptera*			5	2009
2570	Caddisflies	*supf. Rhyacophiloidea fam. Hydrobiosidae*			5	2006
2954	Caddisflies	*supf. Sericostomatoidea fam. Conoesucidae*			11	2006
3001	Caddisflies	*supf. Sericostomatoidea fam. Calocidae*			2	2006
3043	Caddisflies	*supf. Leptoceroidea fam. Philorheithridae*			2	2006
3063	Caddisflies	*supf. Leptoceroidea fam. Odontoceridae*			6	2009
3071	Caddisflies	*supf. Leptoceroidea fam. Atriplectididae*			4	2009
3074	Caddisflies	*supf. Leptoceroidea fam. Calamoceratidae*			5	2009
3086	Caddisflies	*supf. Leptoceroidea fam. Leptoceridae*			10	2009
2618	Caddisfly	*fam. Hydrobiosidae gen. Taschorema*			2	1999
2671	Caddisfly	*Hellyethira simplex*			1	1991
2701	Caddisfly	*Hydroptila calcara*			1	1991
2825	Caddisfly	*fam. Hydropsychidae gen. Asmicridea*			8	1999
2964	Caddisfly	*fam. Conoesucidae gen. Costora*			3	1999
3022	Caddisfly	*Tamasia acuta*			3	1999
3068	Caddisfly	*Marilia bola*			2	1999
3075	Caddisfly	*fam. Calamoceratidae gen. Anisocentropus*			9	1999
3100	Caddisfly	*subf. Leptocerinae gen. Notalina*			3	1991

Taxon ID	Common Name	Scientific Name	Status		Records	
			EPBC Act	FFG Act	Count	Last Record
3101	Caddisfly	*Notalina moselyi*			6	1999
3106	Caddisfly	*Notalina spira*			3	1999
3108	Caddisfly	*Notalina arena*			9	1999
3141	Caddisfly	*Oecetis laustra*			2	1999
3153	Caddisfly	*fam. Leptoceridae gen. Triplectides*			1	1990
3155	Caddisfly	*Triplectides volda*			4	1999
3156	Caddisfly	*Triplectides truncatus*			1	1990
3157	Caddisfly	*Triplectides similis*			8	1999
3159	Caddisfly	*Triplectides magnus*			1	1990
3161	Caddisfly	*Triplectides australis*			3	1999
3166	Caddisfly	*Triplectides proximus*			7	1999
50209	Caddisfly	*Lingora spp.*			8	1999
1557	Common Freshwater Shrimp	*Paratya australiensis*			1	30/9/1993
4538	Crane Flies	*supf. Tipuloidea fam. Tipulidae*			3	2006
3421	creeping water bug	*Naucoris congrex*			1	1990
1884	Damselflies and Dragonflies	*supo. Odonatoptera ord. Odonata*			2	1991
4576	Dance Flies	*Empididae sp. 12 (SRV)*			1	1991
74925	dance fly	*Eugowra fusca*			2	1952
2221	Darner dragonfly	*Austroaeschna (Austroaeschna) unicornis*			4	1999
2212	Darners	*info. Anisoptera fam. Telephlebiidae*			2	2009

Taxon ID	Common Name	Scientific Name	Status		Records	
			EPBC Act	FFG Act	Count	Last Record
3632	diving beetle	*Sternopriscus meadfootii*			1	1991
3643	diving beetle	*Sternopriscus mundanus*			2	1991
3681	diving beetle	*Rhantus suturalis*			1	1991
3683	diving beetle	*Lancetes lanceolatus*			1	1999
1852	Dobsonflies and fishflies	*ord. Megaloptera fam. Corydalidae*			1	2009
1864	Dobsonfly	*Archichauliodes (Riekochauliodes) plomleyi*			1	1999
1996	Flatwings	*subo. Zygoptera fam. Megapodagrionidae*			1	2009
37	Flatworms	*supf. Geoplanoidea fam. Dugesiidae*			3	2005
572	Freshwater air-breathing limpets	*subf. Planorbinae trib. Ancylidae*			2	2009
1555	Freshwater Shrimps	*supf. Atyoidea fam. Atyidae*			6	2009
1556	Freshwater Shrimps	*fam. Atyidae gen. Paratya*			10	1999
1701	Freshwater Spider Crab	*Amarinus lacustris*			3	12/3/1991
576	Freshwater, Air-breathing limpets	*supf. Planorboidea fam. Planorbidae*			1	2005
506	Gastropods	*phy. Mollusca cla. Gastropoda*			1	1991
2120	Green-eyed skimmers	*supf. Libelluloidea fam. Corduliidae*			1	1991
2051	Hawkers	*info. Anisoptera fam. Aeshnidae*			1	2004
1541	Isopods	*supf. Janiroidea fam. Janiridae*			1	2009
1446	Landhoppers and sand fleas	*supf. Talitroidea fam. Talitridae*			1	2005
1691	Lowland Burrowing Crayfish	*Engaeus quadrimanus*			1	28/1/2025
3904	Marsh Beetles	*supf. Scirtoidea fam. Scirtidae*			8	2008

Taxon ID	Common Name	Scientific Name	Status		Records	
			EPBC Act	FFG Act	Count	Last Record
1780	Mayflies	*supf. Leptophlebioidea fam. Leptophlebiidae*			11	2009
1781	Mayflies	*subf. Atalophlebiinae gen. Atalophlebia*			3	1999
1835	Mayflies	*supf. Caenoidea fam. Caenidae*			10	2009
1785	Mayfly	*Atalophlebia australis*			2	1999
1838	mayfly	*Tasmanocoenis arcuata*			5	1999
1840	mayfly	*Tasmanocoenis tonnoiri*			2	1999
5123	Mayfly	*Atalophlebia sp. AV9*			2	1999
75207	Mayfly	*Atalophlebia species (AV2)*			1	1999
2656	Microcaddisflies	*supf. Hydroptiloidea fam. Hydroptilidae*			2	2005
4362	midge	*Polypedilum (Pentapedilum) leei*			3	1991
74602	midge	*Botryocladius grapeth*			1	1990
3864	Minute Rove Beetles	*supf. Staphylinoidea fam. Hydraenidae*			3	2009
4535	Moth Flies	*info. Psychodomorpha fam. Psychodidae*			1	2006
527	Mud snails	*supf. Rissooidea fam. Hydrobiidae*			18	2009
2822	Net-spinning Caddisflies	*supf. Hydropsychoidea fam. Hydropsychidae*			2	2006
2837	Netspinning Caddisfly	*fam. Hydropsychidae gen. Cheumatopsyche*			2	1991
4086	Non-biting Midge	*supf. Chironomoidea fam. Chironomidae*			3	2006
4122	Non-biting midge	*fam. Chironomidae subf. Tanypodinae*			4	2008
4159	Non-biting midge	*fam. Chironomidae subf. Orthocladiinae*			7	2008
4242	Non-biting Midge	*fam. Chironomidae subf. Chironominae*			4	2008

Taxon ID	Common Name	Scientific Name	Status		Records	
			EPBC Act	FFG Act	Count	Last Record
637	Pea Clams & Pea Shells	*supf. Corbiculoidea fam. Sphaeriidae*			3	2009
3531	Predacious Diving Beetles	*supf. Caraboidea fam. Dytiscidae*			3	2009
3907	Riffle beetle	*fam. Elmidae gen. Austrolimnius*			2	1999
3931	Riffle beetle	*Austrolimnius (Limnelmis) maro*			1	1990
3945	Riffle beetle	*Austrolimnius (Telmatelmis) metasternalis*			1	1999
3949	Riffle beetle	*Austrolimnius (Limnelmis) messa*			7	1999
3951	Riffle beetle	*Austrolimnius (Helonelmis) waterhousei*			1	1990
3972	Riffle beetle	*fam. Elmidae gen. Notriolus*			1	1990
3974	Riffle beetle	*Notriolus simsoni*			4	1999
3977	Riffle beetle	*Notriolus maculata*			3	1999
3979	Riffle beetle	*Notriolus quadriplagiata*			1	1999
3987	Riffle beetle	*Simsonia hopsoni*			1	1991
4009	Riffle beetle	*Coxelmis vfasciatus*			1	1990
3906	Riffle Beetles	*supf. Byrrhoidea fam. Elmidae*			6	2009
3226	riffle bug	*Microvelia (Austromicrovelia) peramoena*			2	1999
3234	riffle bug	*Microvelia (Pacificovelia) oceanica*			3	1999
3772	Scavenger Water Beetles	*supf. Hydrophiloidea fam. Hydrophilidae*			2	2005
669	Segmented worms	*supc. Clitellata cla. Oligochaeta*			7	2008
2125	Skimmers	*info. Anisoptera fam. Libellulidae*			1	2004
1743	Small minnow mayflies	*supf. Baetoidea fam. Baetidae*			13	2009

Taxon ID	Common Name	Scientific Name	Status		Records	
			EPBC Act	FFG Act	Count	Last Record
641	Small Pea Clam	*Musculium tasmanicum*			1	8/10/1990
3223	Small Water Striders	*supf. Gerroidea fam. Veliidae*			4	2009
4569	Soldier Flies	*supf. Stratiomyoidea fam. Stratiomyidae*			1	2004
792	Spiders, mites, ticks	*subp. Chelicerata cla. Arachnida*			11	2009
2390	Stoneflies	*supf. Leptoperloidea fam. Gripopterygidae*			6	2008
2531	Stoneflies	*info. Systellognatha fam. Notonemouridae*			1	2004
2404	Stonefly	*Dinotoperla bassae*			3	1991
2440	Stonefly	*Illiesoperla (Illiesoperla) australis*			7	1999
2457	Stonefly	*Leptoperla primitiva*			2	1999
2462	Stonefly	*Leptoperla tasmanica*			2	1999
2492	Stonefly	*Riekoperla rugosa*			3	1991
2511	Stonefly	*Riekoperla tuberculata*			3	1999
50179	Stonefly	*Leptoperla spp.*			1	1991
2027	Sylphs	*subo. Zygoptera fam. Synlestidae*			3	2008
3414	water boatman	*Micronecta robusta*			2	1999
3377	Water Boatmen	*supf. Corixoidea fam. Corixidae*			2	2005
3214	Water Measurers	*supf. Hydrometroidea fam. Hydrometridae*			2	2005
79990	water scavenger beetle	*Hydrochus obsoletus*			1	1991
3752	whirligig beetle	*Macrogyrus (Australogyrus) oblongus*			1	1999
3764	whirligig beetle	*Aulonogyrus strigosus*			2	1990

Taxon ID	Common Name	Scientific Name	Status		Records	
			EPBC Act	FFG Act	Count	Last Record
3746	Whirligig Beetles	*supf. Caraboidea fam. Gyrinidae*			8	2009
2089	Yellow-striped Hunter	*Austrogomphus (Austrogomphus) guerini*			1	1990
REPTILES						
5134	Eastern Snake-necked Turtle	*Chelodina longicollis*			5	14/10/2020
MAMMALS						
-	**Platypus**	***Ornithorhynchus* anatinus**		**vu**		**2023**

Appendix B Desktop Aquatic Habitat Assessment Results (2021/22 and 2026)

Waterway ID	Waterway Name	Tributary of?	Waterway Type	Species recorded within 5km	Nearest Record (km) / Connected Waterway	Most Recent Record Within 10 km / Connected Waterway	Survey Sites / Connected Waterway	DELWP Mapped Habitat in / near Site	Photo Evidence of Habitat	Aerial Imagery Evidence of Habitat	Within Natural Range	Potential to Support Species	Recommendation/s	Notes/Comments
Original 2021/22														
42824679 42824681 18401649 42824141	Unnamed	Bruthen Creek > Bass Strait	Likely permanent Ephemeral	None	None	None	4-5km W / N	AMF	- AMF -	Yes Possible	AMF Yes	AMF	Survey for AMF	• AMF known to occur in coastal waterways along the Vic coastline. • Minimal studies on Sp. so little know about actual distribution. • Although no records of species, there is also no records of surveys. • Habitat indicates suitable (aerial and site photos) due grassy vegetation and connectivity with marine/estuarine environment.
42806331	Unnamed	Bruthen Creek > Bass Strait	indicates ephemeral, though presence of reeds indicates stays wet/dam	None	None	None	4-5km W / N	AMF	Possible if there are pooled areas in project area	Possible	AMF Yes	AMF	Inspect	• AMF known to occur in coastal waterways along the Vic coastline. • Although no records of species, there is also no records of surveys. • Habitat indicates marginal/questionable (aerial and site photos) due grassy vegetation and connectivity with marine/estuarine environment. • Inspect while surveying 42824679-42824141.
43055581	Unnamed	Jack Smith Lake	Ephemeral (likely highly)	None	None	None	None	No	-	No	No	Low	No further assessment	• Aerial indicates open paddock drainage line/gully, no veg/aquatic habitat.
43055579	Unnamed	Jack Smith Lake	Ephemeral (likely highly)	None	None	None	None	No	-	No	No	Low	No further assessment	• Aerial indicates open paddock drainage line/gully, no veg/aquatic habitat.
3598071	Unnamed	Jack Smith Lake	Ephemeral	None	DG >10km NW / N	None	2.9km SW / N	No	-	No	DG Yes, but no records in sub-catchment	Low	No further assessment	• Aerial appears grazed gully/paddock with no instream veg/habitat. • Possible minor seasonal inundation pools. • Downstream dams/barriers to fish passage.
3596185	Unnamed	Morris Creek > Jack Smith Lake	Ephemeral (likely highly)	None	DG >10km NW / N	None	5.9km DS / Y	No	-	No	DG Yes, but no records in sub-catchment	Low	No further assessment	• Aerial indicates grazed gully/paddock with no instream veg/habitat. • Possible minor seasonal inundation pools.
44076766	MORRIS CREEK	Jack Smith Lake						FPP						
44076767	MORRIS CREEK							No						
3595497	Unnamed	Morris Creek > Jack Smith Lake						No						
3595484	Unnamed							FPP						
3594383	Unnamed	Morris Creek > Jack Smith Lake	Ephemeral	None	DG >10km NW / N	None	5.9km DS / Y	No	-	No	DG Yes, but no records in sub-catchment	Low	No further assessment	• Waterway set in plantation. • No evidence of defined waterway/aquatic habitat.
3593740	Unnamed	Morris Creek > Jack Smith Lake	Ephemeral	None	DG >10km NW / N	None	5.9km DS / Y	No	-	No	DG Yes, but no records in sub-catchment	Low	No further assessment	• Waterway set on/edge of plantation. • Downstream waterway indicates shallow gully with no aquatic habitat. • Difficult to confirm aquatic habitat at site with aerial, but due to downstream.

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Waterway ID	Waterway Name	Tributary of?	Waterway Type	Species recorded within 5km	Nearest Record (km) / Connected Waterway	Most Recent Record Within 10 km / Connected Waterway	Survey Sites / Connected Waterway	DELWP Mapped Habitat in / near Site	Photo Evidence of Habitat	Aerial Imagery Evidence of Habitat	Within Natural Range	Potential to Support Species	Recommendation/s	Notes/Comments
														• Unlikely has any significant habitat.
43045959	Unnamed	Warragal Creek > Jack Smith Lake	Ephemeral	None	DG >10km NW / N	None	6.3km DS / Y	No	-	No	DG Yes, but no records in sub-catchment	Low	No further assessment	• Aerial indicates grazed gully/paddock with no instream veg/habitat. • Possible minor seasonal inundation/pools.
44748186	WARRIGAL CREEK	Jack Smith Lake	Ephemeral (likely highly)	None	>10km W / N >10km N / N	None	7.2km DS / Y	No	No	No	DG/FPP Yes, but no records in sub-catchment	Low	No further assessment	• Aerial / site photos show open, grazed paddock with low-lying inundation prone areas. • No clear channel or aquatic habitat.
3589004	Unnamed	Warragal Creek > Jack Smith Lake			>10km W / N >10km N / N	None	7.2km DS / Y	No	-	No	DG/FPP Yes, but no records in sub-catchment			
3582535	Unnamed	Sunville Creek > Warringal Creek > Jack Smith Lake	Ephemeral	None	>10km WSW / N 9.5km N / N	None	9.5km DS / Y	No	-	No	DG/FPP Yes, but no records in sub-catchment	Low	No further assessment	• Aerial indicates grazed gully/paddock with no instream veg/habitat. • Possible minor seasonal pools (1 small pool at 18984923).
43043361	Unnamed													
3581139	Unnamed	Hoddinott Creek > Sunville Creek > Warringal Creek > Jack Smith Lake		None	>10km WSW / N 8.5km N / N	None	>10km DS / Y	No						
18984923	HODDINOTT CREEK	Sunville Creek > Warringal Creek > Jack Smith Lake							No					
New 2026														
	Sunville Creek	Warrigal Creek → Jack Smith Lake	ephemeral to intermittently flowing drainage (AECOM 2025)	Yes - DG & FPP to the north	DG + FPP Approx. 5km north in Monkey Creek	2015		AG, FPP & AMF in DS receiving waterways	Yes - NA 2025 + AECOM 2025	Yes	Yes - DG, FPP, AG		NA	• Site not assessed, inspected or surveyed as part of 2021/22 assessment.
3585299	Unnamed	discharging toward near-coastal environments linked to Jack Smith Lake	Ephemeral agricultural drainage (AECOM 2025)											

Waterway ID	Waterway Name	Tributary of?	Waterway Type	Species recorded within 5km	Nearest Record (km) / Connected Waterway	Most Recent Record Within 10 km / Connected Waterway	Survey Sites / Connected Waterway	DELWP Mapped Habitat in / near Site	Photo Evidence of Habitat	Aerial Imagery Evidence of Habitat	Within Natural Range	Potential to Support Species	Recommendation/s	Notes/Comments
3581253	Unnamed	discharging toward near-coastal environments linked to Jack Smith Lake	Minor ephemeral drainage (AECOM 2025)											
43042004	Unnamed	discharging toward near-coastal environments linked to Jack Smith Lake	Ephemeral coastal drainage (AECOM 2025											

Appendix C Aquatic Habitat Inspections and Targeted Surveys Results (2021/22)

Waterway ID	Waterway Name	Potential to Support Species	Rec/s	Inspection/ Survey Date	Survey / Effort	Waterway type (permanent, ephemeral, floodplain, channel, etc.)	Aquatic Habitat/Veg	Emergent Veg	Riparian Veg	Fish	Invertebrates	Other Aquatic Fauna	Platypus Suitability
42824679	Unnamed	AMF	Survey for AMF	1/9/21	Dipnet 30min Fyke net x 2 overnight Bait trap x5 overnight	Ephemeral flooded creek/ gully in cleared farmland. Local farmer said dry 6 months of year and unlikely any fish present.	Flooded pasture grasses, sea grass and filamentous algae	Flooded pasture grass	Pasture grass,	10x juvenile *G. maculatus* to 80mm 5x Herring up to 100mm 1x *P. urvillii* approx. 140mm 2x Small-mouthed Hardyhead approx. 30mm long	Lots of damselfly larvae, water boatmen, backswimmers and amphipods	One large Eastern Banjo Frog caught in fyke net, released unharmed.	Not suitable
42824681					Dipnet 30min Fyke net x 2 overnight Bait trap x5 overnight	Likely ephemeral flooded creek/ gully in cleared farmland	Flooded pasture grasses, sea grass and filamentous algae	Flooded pasture grass	Pasture grass	1x *G. maculatus* approx. 50mm 5x Herring approx. 50 to 80mm 1x Small-mouthed Hardyhead, approx. 30mm	Lots of damselfly larvae, water boatmen and backswimmers , and amphipods	-	Not suitable
18401649					Visual 30min Bait traps x 3 in small dam overnight	Mostly dry creek gully in farmland with a couple of stagnant shallow pools and 1 small ephemeral dam off the side of watercourse	Filamentous algae and semi aquatic plants and flooded pasture grasses	Semi aquatic plants and flooded pasture grasses	Pasture grass	-	-	Several tadpoles	Not suitable
42824141					-	-	-	-	-	-	-	-	-
42806331	Unnamed	AMF	Inspect for Australian Mudfish	1/9/21	Dip net 45min but very difficult due to dense Phragmites	Likely semi-permanent, no flow, heavily vegetated creek gully with regenerating riparian vegetation full of dead/dormant Phragmites. Strong anoxic smell but lots of frog calls. Fish presence possible but very difficult to survey (see photos)	Dense phragmites, small amounts of Lemma and Vallisneria	Very dense Phragmites	Replanted mixed native vegetation including Melaleuca, Acacia and native Sheoak	-	-	-	Not suitable

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