

APPENDIX H SENSITIVE RECEPTORS

Sensitive Receptors

The MRSD Act defines sensitive receptors as features that are internal (site based) and external to the mining lease area based on the following categories:

- Any member of the public: public health, safety, amenity and cultural values Aboriginal heritage
- Land, property and infrastructure: third party property, land use and nearby infrastructure such as highways, transmission lines, pipelines, schools and hospitals
- Environment: air, water, soil, vegetation, flora & fauna species, surface water, groundwater and heritage

The MRSD Regulations require, for the purposes of a mine work plan, the identification of sensitive receptors within a minimum of 2km from MIN5004 area. This minimum distance has been applied to the identification of sensitive receptors for the DMRP. The inclusion of a sensitive receptor as a feature relative to the DMRP does not automatically imply that the feature is impacted by the activities defined in the DMRP. Where a risk of impact to the receptor exists as a result of activities relating to the DMRP, the receptors are identified in the DMRP risk assessment.

Table 1 below summarises all sensitive receptors identified within 2km of MIN5004 as well as those that have been identified in other technical studies and are considered relevant.

Receptor category	Receptor ID	Receptor name	Proximity to site
Schools/Education	1	Sacred Heart Catholic Primary School Cnr Wilson Street and Commercial Road	770 m
	2	Goodstart Early Learning Centre 252 Commercial Road	800 m
	3	Maryvale Crescent Pre-school 14 Maryvale Crescent	800 m
	4	Berry Street School Driffield Road	700 m
	6	TAFE Gippsland Morwell Campus	1500 m
Churches	7	Christian Community Church Morwell 5 McDonald Street	1000 m
	8	Greek Orthodox Church 42 Elgin Street	640 m
	9	Hazelwood Cemetery Brodribb Road	610 m
	10	Sacred Heart Catholic Church 262 Commercial Rd	770 m
	11	St Marys Anglican Church	1170 m
	12	Morwell Baptist Church	730 m
	13	Morwell Presbyterian Church	1200 m

Table 1 Sensitive receptors within 2km of MIN5004



Receptor category	Receptor ID	Receptor name	Proximity to site
Significant public roads	14	Brodribb Road	610 m
	15	Homestead Road	670 m
	16	Princes Freeway	230 m
	17	Commercial Road	770 m
	18	Marretts Road	1150 m
	19	Buckleys Track	740 m
	20	Blacks Track	830 m
	21	Laws Track	1060 m
	22	Deans Road	910 m
	23	Yinnar Road	550 m
	24	Golden Gully Road	730 m
	25	Strzelecki Hwy, Driffield	1800 m
	26	Strzelecki Hwy, Interchange	760m
	29	Intersection of Strzelecki Highway and Deans Rd	810 m
Railway	31	Melbourne – Traralgon railway line	900 m
Waterways	32	Morwell River Diversion	360 m
	33	Morwell River Flood Levee	330 m
	34	Eel Hole Creek Diversion	450 m
	35	Eel Hole Creek Flood Levee	480 m
	36	Wilderness Creek	830 m
	37	Morwell Main Drain	210 m
	38	Hazelwood Cooling Pond	700 m
	40	Bennett's Creek	1100 m
	41	Morwell River Wetlands	300 m
Bridges	42	Commercial Rd bridges over Princes Fwy	720 m
	43	Princes Fwy bridges over former Interconnecting Railway	270 m
	44	Strzelecki Hwy bridge over Morwell River	980 m
	45	Strzelecki Hwy bridge over Wilderness Creek	1340 m
Public Facilities &	46	Industrial area (EFEB)	200 m to 1000 m
Recreation	47	Morwell township residences	290 m to 2000 m
	49	Morwell Recreation Reserve, Travers St Morwell	300 m
	50	Hazelwood Cemetery, Yinnar Rd Hazelwood	450 m
	51	Driffield Memorial, 485 Strzelecki Hwy	980 m
	53	Morwell Railway Station	900 m
	54	Morwell War memorial	830 m
	55	Captain Stanley Savige Monument	960 m
	56	Morwell Telephone Exchange	1290 m
	57	Morwell Rotunda	890 m



Receptor category	Receptor ID	Receptor name	Proximity to site
	58	ANZAC Lookout	570 m
	59	Lloyds Hole	910 m
	60	Latrobe Regional Gallery	900 m
Conservation areas	61	Eel Hole Creek/Cemetery Net Gain Offset Area	470 m
	61	Deans Road Offset Area	60 m
	63	Eucalyptus Strzeleckii Offset Area	940 m
	64	Old Eucalyptus Strzelecki Highway Net Gain Offset Area	1200 m
	65	Eric Lubcke Yarra Gum Conservation Reserve, Willis St Morwell	480 m
	66	Firmins Lane Wetlands, 25 Firmins La	1790 m
	68	Morwell Centenary Rose Garden	960 m
	69	Toners Lane Reserve and Dog Park	1700 m
Groundwater	70	Shallow Aquifer System (HHF)	10-15 m below natural surface
	71	Morwell Formation Aquifer System (MFAS) Underlies the open cut (M1 Aquifer)	100-120 m below natural surface
	72	Traralgon Formation Aquifer System (TFAS) (M2 Aquifer)	165-300 m below natural surface
	73	Bores – Registered (M1 and M2 Pump Bores)	Mine crest M1 and M2 pump bores
	74	Bores – External use (not ENGIE – Buckleys Hill)	1150 m
Members of the public	75	Morwell	200 m
/ Residential Areas	77	Driffield	1920 m
	78	Hazelwood A	No Location
	79	Hazelwood B ^[1]	No Location
Cultural heritage	80	Wilderness Creek - Cultural Heritage Sensitivity (CHS)	530 m
	81	Morwell River CHS	400 m
	83	Bennetts Creek CHS	990 m
	85	Artefact Sites CHS (GeoVic)	At mine crest
	86	ACHRIS Mapped sites of significance (GeoVic)	At mine crest
Historic heritage	87	H2377 Morwell power station and briquette factory (Heritage Register)	470 m
	88	H2130 No21 Dredger (Heritage Register)	600 m
	91	H8121-0044 Merton Rush Historic Scatter (Heritage inventory)	1370 m
	95	H8121-0059 Former Morwell to Mirboo North Railway artefact scatter (Heritage Inventory)	1400 m
	98	P382554 (unrestricted CL west of mine)	1660 m

 $^{^{\}left[1\right] }$ As identified in noise and vibration technical report



Receptor category	Receptor ID	Receptor name	Proximity to site
	101	2025\PP2749 (Restricted CL Natural features	
		reserve)	
	102	2068\PP2749 (Restricted CL Natural features	
	102	reserve) Wilderness Creek Water Frentage (Bestrigted Cl	240 m
	103	Wilderness Creek Water Frontage (Restricted CL – Natural Features Reserve)	240 m
Crown land (~102	104	Morwell River Water Frontage (Restricted CL –	0 m Crown Land
parcels to be identified		Natural Features Reserve)	T/F Not Complete
on plan)	105	Morwell River – Middle Creek Water Frontage	
		(Restricted CL – Natural Features Reserve)	
	107	6G1~A\PP2749 (Unrestricted CL north of mine), 'The Ridge'.	700m
	108	Uncategorised Public Land CL north of mine in Morwell (numerous)	230m
Third party owned land	109	RTL Hazelwood	70 m
and property	110	Omnia Specialties / Gippsland Soil Solutions	140 m
	112	Morwell Transfer Station	1670 m
	113	Morwell Terminal Station	1230 m
	114	PowerWorks Energy Education Centre	590 m
	115	Hazelwood Battery Energy Storage (ENGIE)	340 m
Agricultural land	116	TBC - ENGIE	Min. 70 m from
			mine crest
FFG listed species and	117	242 Forest Red Gum Grassy Woodland	Shown in GeoVic at
communities (~28 areas to be identified	118	243 Central Gippsland Plains Grassland	mine crest Shown in GeoVic at
on plan)	110		mine crest
. ,	119	339 Sedge-rich Eucalyptus camphora swamp	Shown in GeoVic as
			'in-mine', nearest
			external to mine at
			1230 m
Threatened Flora	121	To be identified by ecologist	Shown in GeoVic as
			'in-mine', nearest external to mine at
			550 m (North of
			mine)
Threatened Fauna	122	To be identified by ecologist	Shown in GeoVic as
			'in-mine', nearest
			external to mine at
			830 m (East of
View Locations	123	Morwell Railway Station, Princes Dve Morwell	mine) 900 m
	124	Morwell Recreation Reserve, Travers St Morwell	300 m
	129	Strzelecki Highway, Driffield	1800 m
	130	Intersection of Strzelecki Highway and Deans Rd	810 m
	131	Marretts Rd, Hearns Oak	1150 m
	131		1150 111



Receptor category	Receptor ID	Receptor name	Proximity to site
	132	Hazelwood Cemetery, Yinnar Rd	450 m
Transmission towers	133	220 kV transmission towers (south)	320 m
	134	220 kV transmission towers (east/north)	50 m
Electrical substations	135	Morwell North Substation	70 m
	136	Morwell East Substation	40 m
	137	Morwell West Substation	260 m
	137A	Hazelwood Switchyard?	540 m
Transmission Lines	138	500KV power transmission line – Southwest Corner	320 m
	139	220 KV power transmission line – Northern Batters	50 m
	140	66KV distribution lines – Southwest Corner / Northern Batters	
	141	22kv distribution lines	Mine crest M1 and M2 pump bores
	142	6.6 KV distribution lines	Mine crest M1 and M2 pump bores
	143	LV distribution lines	Mine crest
	145	Tyres – Morwell gas pipeline PL 121	1920 m
	146	Morwell – Dandenong gas pipeline PL 50	1920 m
	147	Morwell City Gate Station (Int PL50/121/215)	1920 m
Fibre optic communications		ТВС	
Telecommunications towers		ТВС	

Figure 1 – Environmental sensitive receptors

Receptors_Environmental.dgn





	Proximity
	to site
	360 m
9	330 m
	450 m 480 m
	400 m 830 m
	210 m
	700 m
	1100 m
	300 m
Net Gain	470 m
	60 m
Highway Net	940 m
onservation	1200 m
1	480 m
5 Firmins La Garden	1790 m
Garden	960 m
Dog Park	1700 m
	10-15 m below
HHF)	natural
r System	surface 100-120 m
n cut (M1	below
	natural
	surface 165-300 m
fer System	below
e eyelen	natural
	surface
nd M2 Dumo	Mine crest
nd M2 Pump	M1 and M2
	pump bores
ENGIE -	1150 m
	and a second sec
	Shown in
ssy Woodland	GeoVic at
	mine crest
	(Note 1)
ains Grassland	Shown in GeoVic at
er o o o di la	mine crest
	(Note 1)
	Shown in
	GeoVic as 'in-
s camphora	mine', nearest
	external to
	mine at 1230
donco	m (Note 1)
dence	Unable to
	Locate Shown in
	Shown in GeoVic as
	'in-mine',
	nearest
ist	external to
	mine at 550
	m (North of
	mine)
	(Note 1)
	Shown in
	GeoVic as 'in-
	mine', nearest
ist	external to
	mine at 830 m
	(East of mine)
Princos Duo	(Note 1)
Princes Dve	900 m
ve, Travers St	300 m
hld	1800 m
Highway and	· · · · · · · · · · · · · · · · · · ·
	810 m
	1150 m
nar Rd	450 m

wing No.	
Number	12666965
Revision	A
Date	MAY 2025

Figure xx

Figure 2- Land and heritage sensitive receptors



FILE LOCATION: G:31112666965/CADD/Drawings/12666965-FIG015_Sensitive FILE NAME: 12666965-FIG015_Sensitive Receptors_Land & Heritage Receptors_Land & Heritage.dgn



me	Proximity to site
- Cultural Heritage	530 m
S	400 m
110	990 m
HS S (GeoVic)	At mine crest
sites of significance	At mine crest
ower station and Heritage Register)	470 m
lger (Heritage	600 m
on Rush Historic	1370 m
inventory)	(Note 1)
ner Morwell to Mirboo efact scatter (Heritage	1400 m
icted CL west of mine; estricted CL Natural	1660 m Combined layer from Geovic acceptable for Map Combined layer
estricted CL Natural	from Geovic acceptable for Map
Water Frontage	
Natural Features	240 m
ter Frontage	0 m Crown
Natural Features	Land T/F Not
	Complete
fiddle Creek Water	Combined layer
ted CL – Natural	from Geovic
	acceptable for
č	Map
Unrestricted CL north lge'.	700m
iblic Land CL north of numerous)	230m
	70 m (No
	Current
	Operation)
s / Gippsland Soil	140 m
Station	1670 m
Station	1230 m
rgy Education Centre	590 m
rgy Education Centre y Energy Storage	340 m
	Min. 70 m
	from mine

HAZELWOOD POWER, PO BOX 195, MORWELL, VICTORIA, 3840, AUSTRALIA

Figure 3- Public Infrastructure sensitive receptors





	Proximity to site
1	610 m
	670 m
	230 m 770 m
	1150 m
	740 m
	830 m
	1060 m
	910 m
	550 m
	730 m
	1800 m
-	760m
y and	810 m
10	900 m
nces	720 m
2	270 m
ell	980 m
mess	1340 m
ťh)	320 m
	(Unable to
	Locate)
t/north)	50 m
20	(Unable to
	Locate)
	70 m
	40 m
	260 m
-	540 m
	(Unable to
	Locate)
	320 m (Note 1)
2	50 m (Note 1)
est	0 m (Note 1)
	Mine crest
	M1 and M2
	pump bores
	(Note 1)
1	Mine crest
	M1 and M2
	pump bores
	(Note 1)
	Mine crest
121	(Note 1)
121 De PL 50	(Note 1) 1920m (Note 1)
121 ne PL 50	(Note 1)

Figure 4 – Residential and Community sensitive receptors



FILE LOCATION: G/131/12666965/CADD/Drawings/12666965-FIG015_Sensitive FILE NAME: 12666965-FIG015_Sensitive Receptors_Residential Receptors_Residential.dgn

HAZELWOOD POWER, PO BOX 195, MORWELL, VICTORIA, 3840, AUSTRALIA



	Proximity
	to site
imary School ommercial Road Centre	770 m
Centre	800 m
chool	800 m
	700 m
Campus	1500 m
urch Morwell	1000 m
	640 m
	610 m
urch	770 m
1	1170 m
	Unable to
	Locate
urch	Closed
	200 m to
	1000 m
ces	290 m to
	2000 m
rve, Travers St	300 m
nnar Rd	450 m
rzelecki Hwy	980 m
	900 m
	830 m
Ionument	Unable to
	Locate
inge	Unable to
	Locate
	890 m
	570 m
	Unable to
	Locate
	900 m
	200 m
	1920 m
	No Location
	No Location
	INO LOCATION