

		WME Boddington & Collie Pre 2018	WMDE Infill Areas & Bauxite Transport Corridor 2018
Family	Species		
PTERIDACEAE	<i>Adiantum aethiopicum</i>	X	
	<i>Cheilanthes austrotenuifolia</i>	X	
	<i>Cheilanthes sieberi</i>		X
	<i>Cheilanthes</i> sp.	X	
DENNSTAEDTIACEAE	<i>Pteridium esculentum</i>	X	X
LINDSAEACEAE	<i>Lindsaea linearis</i>	X	
ZAMIACEAE	<i>Macrozamia riedlei</i>	X	X
PODOCARPACEAE	<i>Podocarpus drouynianus</i>	X	
TYPHACEAE	<i>Typha orientalis</i>		X
JUNCAGINACEAE	<i>Triglochin centrocarpa</i>	X	
POACEAE	* <i>Aira caryophyllea</i>	X	X
	* <i>Aira cupaniana</i>	X	
	<i>Amphibromus nervosus</i>		X
	<i>Amhipogon amhipogonoides</i>	X	
	<i>Amhipogon laguroides</i>	X	
	<i>Austrostipa campylachne</i>		X
	<i>Austrostipa hemipogon</i>	X	
	<i>Austrostipa tenuifolia</i>	X	
	<i>Austrostipa trichophylla</i>	X	X
	<i>Austrostipa elegantissima</i>	X	X
	<i>Austrostipa</i> sp.	X	
	* <i>Avena barbata</i>	X	X
	* <i>Avena fatua</i>	X	
	* <i>Avena</i> sp.	X	
	* <i>Brachypodium distachyon</i>	X	X
	* <i>Briza maxima</i>	X	X
	* <i>Briza minor</i>	X	X
	* <i>Bromus diandrus</i>	X	X
	* <i>Bromus madritensis</i>		X
	* <i>Bromus</i> sp.	X	
	* <i>Cynodon dactylon</i>	X	
	* <i>Ehrharta calycina</i>	X	X
	* <i>Ehrharta longiflora</i>	X	X
	* <i>Eragrostis curvula</i>	X	
	* <i>Holcus setiger</i>	X	
	* <i>Hordeum hystrix</i>		X
	* <i>Hordeum leporinum</i>	X	
	* <i>Lolium perenne</i>	X	X
	* <i>Lolium rigidum</i>		X
	* <i>Lolium</i> sp.	X	
	<i>Neurachne alopecuroidea</i>	X	X
	* <i>Pentameris airoides</i>	X	
	<i>Poa drummondiana</i>	X	
	* <i>Polypogon monspeliensis</i>		X
	<i>Rytidosperma caespitosum</i>	X	X
	<i>Rytidosperma</i> sp.	X	
	<i>Sporobolus virginicus</i>	X	
	<i>Tetrarrhena laevis</i>	X	X
	<i>Themeda triandra</i>	X	
	* <i>Triticum aestivum</i>	X	
* <i>Vulpia bromoides</i>	X		
* <i>Vulpia myuros</i>	X	X	

		WME Boddington & Collie Pre 2018	WMDE Infill Areas & Bauxite Transport Corridor 2018
Family	Species		
POACEAE	* <i>Vulpia myuros forma megalura</i>	x	
(continued)	* <i>Vulpia myuros forma myuros</i>	x	
	* <i>Vulpia sp.</i>	x	
	Poaceae sp.	x	x
CYPERACEAE	<i>Baumea juncea</i>	x	
	<i>Baumea rubiginosa</i>	x	
	<i>Baumea vaginalis</i>	x	
	<i>Bolboschoenus caldwellii</i>	x	
	<i>Carex fascicularis</i>	x	
	<i>Chorizandra enodis</i>	x	
	<i>Cyathochaeta avenacea</i>	x	
	<i>Gahnia ancistrophylla</i>	x	
	<i>Gahnia decomposita</i>	x	
	<i>Gahnia trifida</i>	x	
	<i>Gahnia sp.</i>	x	
	<i>Isolepis cernua</i> var. <i>setiformis</i>	x	
	* <i>Isolepis marginata</i>	x	
	<i>Lepidosperma angustatum</i>	x	
	<i>Lepidosperma gracile</i>	x	
	<i>Lepidosperma</i> aff. <i>gracile</i>	x	
	<i>Lepidosperma leptostachyum</i>	x	x
	<i>Lepidosperma leptostachyum</i> sens. Lat.		x
	<i>Lepidosperma scabrum</i>	x	
	<i>Lepidosperma squamatum</i>	x	x
	<i>Lepidosperma tenue</i>	x	
	<i>Lepidosperma tetraquetrum</i>	x	
	<i>Lepidosperma tuberculatum</i>	x	
	<i>Lepidosperma sp.</i>	x	x
	<i>Mesomelaena graciliceps</i>	x	
	<i>Mesomelaena tetragona</i>	x	
	<i>Schoenus armeria</i>	x	
	<i>Tetraria capillaris</i>	x	
	<i>Tetraria octandra</i>	x	x
	<i>Tetraria</i> sp. Jarrah Forest (R. Davis 7391)	x	
	Cyperaceae sp.	x	
RESTIONACEAE	<i>Desmocladius asper</i>	x	
	<i>Desmocladius fasciculatus</i>	x	x
	<i>Desmocladius flexuosus</i>	x	x
	<i>Empodisma gracillimum</i>	x	
	<i>Hypolaena exsulca</i>	x	
	<i>Lepidobolus preissianus</i>	x	
	<i>Leptocarpus coangustatus</i>	x	
	<i>Leptocarpus tenax</i>	x	
	<i>Lepyrodia macra</i>	x	
	<i>Loxocarya cinerea</i>	x	
	<i>Loxocarya striata</i>	x	
ANARTHRIACEAE	<i>Lyginia barbata</i>	x	
CENTROLEPIDACEAE	<i>Centrolepis inconspicua</i>	x	
PHILYDRACEAE	<i>Philydrella pygmaea</i>	x	
JUNCACEAE	* <i>Juncus acutus</i> subsp. <i>acutus</i>	x	
	* <i>Juncus bufonius</i>	x	
	<i>Juncus pallidus</i>	x	
	* <i>Juncus usitatus</i>	x	
	<i>Luzula meridionalis</i>	x	

		WME Boddington & Collie Pre 2018	WMDE Infill Areas & Bauxite Transport Corridor 2018
Family	Species		
ASPARAGACEAE	* <i>Asparagus asparagoides</i>	X	
	<i>Chamaescilla corymbosa</i>	X	X
	<i>Dichopogon capillipes</i>	X	
	<i>Laxmannia sessiliflora</i>	X	
	<i>Laxmannia squarrosa</i>	X	
	<i>Lomandra brittanii</i>	X	
	<i>Lomandra caespitosa</i>	X	
	<i>Lomandra drummondii</i>	X	
	<i>Lomandra hermaphrodita</i>	X	X
	<i>Lomandra integra</i>	X	
	<i>Lomandra micrantha</i>	X	
	<i>Lomandra pauciflora</i>	X	
	<i>Lomandra preissii</i>	X	X
	<i>Lomandra purpurea</i>	X	
	<i>Lomandra sericea</i>	X	X
	<i>Lomandra</i> sp. (JK12)	X	
	<i>Lomandra</i> sp. (JK122)	X	
	<i>Lomandra sonderi</i>	X	
	<i>Lomandra spartea</i>	X	X
	<i>Lomandra suaveolens</i>	X	
	<i>Sowerbaea laxiflora</i>	X	
	<i>Thysanotus dichotomus</i>	X	X
	<i>Thysanotus fastigiatus</i>	X	
	<i>Thysanotus manglesianus</i>	X	
	<i>Thysanotus multiflorus</i>	X	
	<i>Thysanotus patersonii</i>	X	
	<i>Thysanotus tenellus</i>	X	
	<i>Thysanotus thyrsoides</i>	X	
DASYPOGONACEAE	<i>Dasypogon bromeliifolius</i>	X	
	<i>Kingia australis</i>	X	
XANTHORRHOACEAE	<i>Xanthorrhoea gracilis</i>	X	X
	<i>Xanthorrhoea preissii</i>	X	X
COLCHICACEAE	<i>Burchardia multiflora</i>	X	
	<i>Wurmbea dioica</i>	X	
	<i>Wurmbea tenella</i>	X	
BORYACEAE	<i>Borya sphaerocephala</i>	X	
HEMEROCALLIDACEAE	<i>Agrostocrinum scabrum</i>	X	X
	<i>Caesia micrantha</i>	X	
	<i>Dianella revoluta</i>	X	
	<i>Johnsonia lupulina</i>	X	
	<i>Stypandra glauca</i>	X	
	<i>Tricoryne elatior</i>	X	
	<i>Tricoryne humilis</i>	X	
HAEMODORACEAE	<i>Anigozanthos flavidus</i>	X	
	<i>Anigozanthos manglesii</i>	X	
	<i>Conostylis aculeata</i>	X	
	<i>Conostylis aculeata</i> subsp. <i>aculeata</i>	X	
	<i>Conostylis pusilla</i>	X	
	<i>Conostylis seminuda</i>	X	
	<i>Conostylis serrulata</i>	X	
	<i>Conostylis setigera</i>	X	X
	<i>Conostylis setigera</i> subsp. <i>setigera</i>	X	
	<i>Conostylis setosa</i>	X	
	<i>Conostylis</i> sp.	X	
	<i>Haemodorum laxum</i>	X	X

		WME Boddington & Collie Pre 2018	WMDE Infill Areas & Bauxite Transport Corridor 2018
Family	Species		
HAEMODORACEAE (continued)	<i>Haemodorum simplex</i>		X
	<i>Haemodorum spicatum</i>	X	
	<i>Haemodorum</i> sp.	X	X
	<i>Phlebocarya ciliata</i>	X	
	<i>Tribonanthes longipetala</i>	X	
HYPOXIDACEAE	<i>Pauridia occidentalis</i>	X	
IRIDACEAE	<i>Patersonia babianoides</i>	X	
	<i>Patersonia juncea</i>	X	
	<i>Patersonia occidentalis</i>	X	
	<i>Patersonia pygmaea</i>	X	
	<i>Patersonia rudis</i>	X	
	<i>Patersonia</i> sp.	X	
ORCHIDACEAE	<i>Caladenia dorrienii</i> (T)	X	
	<i>Caladenia flava</i>	X	
	<i>Caladenia hopperiana</i> (T)	X	
	<i>Caladenia latifolia</i>	X	
	<i>Caladenia longicauda</i>	X	
	<i>Caladenia macrostylis</i>	X	
	<i>Caladenia nana</i>	X	
	<i>Caladenia reptans</i>	X	
	<i>Caladenia reptans</i> subsp. <i>reptans</i>	X	
	<i>Caladenia</i> sp.	X	
	<i>Cryptostylis ovata</i>	X	
	<i>Cyanicula gemmata</i>	X	
	<i>Cyanicula sericea</i>	X	
	<i>Cyrtostylis robusta</i>	X	
	* <i>Disa bracteata</i>	X	X
	<i>Diuris longifolia</i>	X	
	<i>Diuris</i> sp.	X	
	<i>Drakaea elastica</i> (T)	X	
	<i>Elythranthera brunonis</i>	X	
	<i>Eriochilus dilatatus</i>	X	
	<i>Paracaleana nigrita</i>	X	
	<i>Pheladenia deformis</i>	X	
	<i>Prasophyllum hians</i>	X	
	<i>Prasophyllum parvifolium</i>	X	
	<i>Pterostylis barbata</i>	X	
	<i>Pterostylis pyramidalis</i>	X	
	<i>Pterostylis recurva</i>	X	
	<i>Pterostylis vittata</i>	X	
	<i>Pyrorchis nigricans</i>	X	
	<i>Thelymitra antennifera</i>	X	
	<i>Thelymitra crinita</i>	X	
	<i>Thelymitra</i> sp.	X	
	Orchidaceae sp.	X	X
CASUARINACEAE	<i>Allocasuarina fraseriana</i>	X	X
	<i>Allocasuarina huegeliana</i>	X	X
	<i>Allocasuarina humilis</i>	X	
	<i>Allocasuarina microstachya</i>	X	
	<i>Allocasuarina</i> sp.	X	
PROTEACEAE	<i>Adenanthos barbiger</i>		X
	<i>Adenanthos cygnorum</i>	X	
	<i>Adenanthos obovatus</i>	X	
	<i>Banksia armata</i>	X	
	<i>Banksia bipinnatifida</i>	X	
	<i>Banksia dallanneyi</i>	X	
	<i>Banksia dallanneyi</i> var. <i>dallanneyi</i>	X	X

		WME Boddington & Collie Pre 2018	WMDE Infill Areas & Bauxite Transport Corridor 2018
Family	Species		
PROTEACEAE	<i>Banksia grandis</i>	X	X
(continued)	<i>Banksia littoralis</i>	X	
	<i>Banksia seminuda</i>	X	
	<i>Banksia sessilis</i>	X	X
	<i>Banksia sphaerocarpa</i>	X	
	<i>Banksia squarrosa</i> subsp. <i>squarrosa</i>	X	
	<i>Banksia subpinnatifida</i> var. <i>imberbis</i> (P3)	X	
	<i>Banksia subpinnatifida</i> var. <i>subpinnatifida</i> (P2)	X	
	<i>Conospermum amoenum</i>	X	
	<i>Conospermum capitatum</i>	X	
	<i>Conospermum capitatum</i> subsp. <i>capitatum</i>	X	
	<i>Grevillea bipinnatifida</i>	X	
	<i>Grevillea quercifolia</i>	X	
	<i>Grevillea trifida</i>	X	
	<i>Hakea amplexicaulis</i>	X	
	<i>Hakea cyclocarpa</i>	X	
	<i>Hakea gilbertii</i>	X	
	<i>Hakea incrassata</i>	X	
	<i>Hakea lissocarpa</i>	X	X
	<i>Hakea prostrata</i>	X	X
	<i>Hakea ruscifolia</i>	X	
	<i>Hakea trifurcata</i>	X	
	<i>Hakea undulata</i>	X	
	<i>Hakea varia</i>	X	
	<i>Isopogon formosus</i>	X	
	<i>Persoonia angustiflora</i>	X	
	<i>Persoonia elliptica</i>	X	
	<i>Persoonia longifolia</i>	X	X
	<i>Persoonia quinquenervis</i>	X	
	<i>Petrophile ?seminuda</i>	X	
	<i>Petrophile ericifolia</i>	X	
	<i>Petrophile heterophylla</i>	X	
	<i>Petrophile serruriae</i>	X	
	<i>Petrophile squamata</i>	X	
	<i>Petrophile striata</i>	X	
	<i>Synaphea</i> aff. <i>petiolaris</i>	X	
	<i>Synaphea petiolaris</i>	X	
SANTALACEAE	<i>Leptomeria cunninghamii</i>	X	
	<i>Santalum acuminatum</i>	X	
OLACACEAE	<i>Olax benthamiana</i>	X	
POLYGONACEAE	<i>Muehlenbeckia adpressa</i>	X	
	* <i>Rumex acetosella</i>	X	
	* <i>Rumex crispus</i>	X	
CHENOPODIACEAE	* <i>Chenopodium glaucum</i>	X	
AMARANTHACEAE	<i>Ptilotus drummondii</i>	X	
	<i>Ptilotus manglesii</i>	X	X
MONTIACEAE	<i>Calandrinia</i> sp.	X	
CARYOPHYLLACEAE	* <i>Cerastium glomeratum</i>	X	
	* <i>Petrorhagia dubia</i>	X	X
RANUNCULACEAE	<i>Clematis pubescens</i>	X	X
	<i>Ranunculus colonorum</i>		X
	* <i>Ranunculus muricatus</i>	X	

		WME Boddington & Collie Pre 2018	WMDE Infill Areas & Bauxite Transport Corridor 2018
Family	Species		
LAURACEAE	<i>Cassytha glabella</i>	X	
	<i>Cassytha racemosa</i>	X	
	<i>Cassytha</i> sp.	X	
PAPAVERACEAE	* <i>Fumaria capreolata</i>	X	
DROSERACEAE	<i>Drosera barbigera</i>	X	
	<i>Drosera bulbosa</i>	X	
	<i>Drosera erythrorhiza</i>	X	
	<i>Drosera gigantea</i>	X	
	<i>Drosera glanduligera</i>	X	
	<i>Drosera heterophylla</i>	X	
	<i>Drosera leucoblata</i>	X	
	<i>Drosera macrantha</i>	X	
	<i>Drosera menziesii</i>	X	
	<i>Drosera pallida</i>	X	
	<i>Drosera platystigma</i>	X	
	<i>Drosera pulchella</i>	X	
	<i>Drosera stolonifera</i>	X	
	<i>Drosera stricticaulis</i>	X	
	<i>Drosera</i> sp.	X	X
CRASSULACEAE	<i>Crassula colorata</i>	X	
	<i>Crassula decumbens</i> var. <i>decumbens</i>	X	
PITTOSPORACEAE	<i>Billardiera floribunda</i>	X	
	<i>Billardiera fusiformis</i>		X
	<i>Billardiera heterophylla</i>	X	
	<i>Billardiera variifolia</i>	X	
	<i>Marianthus bicolor</i>	X	
	<i>Marianthus drummondianus</i>	X	
ROSACEAE	<i>Acaena echinata</i>	X	X
FABACEAE	<i>Acacia alata</i>	X	
	<i>Acacia browniana</i>	X	X
	<i>Acacia celastrifolia</i>	X	X
	<i>Acacia deflexa</i> (P3)	X	
	<i>Acacia dentifera</i>	X	
	<i>Acacia divergens</i>	X	
	<i>Acacia drummondii</i>	X	
	<i>Acacia drummondii</i> subsp. <i>candolleana</i>	X	
	<i>Acacia drummondii</i> subsp. <i>drummondii</i>	X	X
	<i>Acacia ericifolia</i>	X	
	<i>Acacia extensa</i>	X	
	<i>Acacia gilbertii</i>	X	
	<i>Acacia incurva</i>	X	
	* <i>Acacia iteaphylla</i>	X	
	<i>Acacia lateriticola</i>	X	X
	<i>Acacia leptospermoides</i>	X	
	<i>Acacia microbotrya</i>	X	
	<i>Acacia myrtifolia</i>	X	
	<i>Acacia nervosa</i>	X	
	<i>Acacia obovata</i>	X	
	<i>Acacia preissiana</i>	X	
	<i>Acacia pulchella</i>	X	X
	* <i>Acacia pycnantha</i>	X	
	<i>Acacia saligna</i>	X	X
	<i>Acacia stenoptera</i>	X	
	<i>Acacia urophylla</i>	X	
	<i>Acacia willdenowiana</i>	X	
<i>Acacia</i> sp.	X		

APPENDIX G: VASCULAR PLANT SPECIES RECORDED ON SOUTH32 LEASES AND DURING THE RECENT ASSESSMENT OF WMDE INFILL AREAS AND BAUXITE TRANSPORT CORRIDOR, 2018

Note: * denotes introduced species;

Note: T denotes threatened and P1 to P4 denotes Priority flora species (DBCA 2018a, 2018b)

Family	Species	WME Boddington & Collie Pre 2018	WMDE Infill Areas & Bauxite Transport Corridor 2018
FABACEAE (continued)	<i>Bossiaea aquifolium</i>	X	
	<i>Bossiaea aquifolium</i> subsp. <i>aquifolium</i>	X	
	<i>Bossiaea eriocarpa</i>	X	
	<i>Bossiaea linophylla</i>	X	
	<i>Bossiaea ornata</i>	X	X
	<i>Bossiaea rufa</i>	X	
	<i>Callistachys lanceolata</i>	X	
	<i>Chorizema aciculare</i>	X	
	<i>Chorizema rhombeum</i>	X	
	<i>Chorizema</i> sp.	X	
	<i>Daviesia cordata</i>	X	
	<i>Daviesia costata</i>	X	
	<i>Daviesia decurrens</i>	X	
	<i>Daviesia divaricata</i>	X	
	<i>Daviesia incrassata</i>	X	
	<i>Daviesia incrassata</i> subsp. <i>incrassata</i>	X	
	<i>Daviesia longifolia</i>	X	
	<i>Daviesia physodes</i>	X	
	<i>Daviesia polyphylla</i>	X	
	<i>Daviesia preissii</i>	X	X
	<i>Daviesia rhombifolia</i>	X	
	<i>Daviesia</i> sp.	X	
	<i>Gastrolobium bilobum</i>	X	
	<i>Gastrolobium</i> sp. Prostrate Boddington (M. Hislop 2130) (P1)		X
	<i>Gastrolobium spinosum</i>	X	X
	<i>Gompholobium capitatum</i>	X	
	<i>Gompholobium marginatum</i>	X	X
	<i>Gompholobium ovatum</i>	X	
	<i>Gompholobium polymorphum</i>	X	X
	<i>Gompholobium preissii</i>	X	X
	<i>Gompholobium tomentosum</i>	X	
	<i>Gompholobium</i> sp.	X	
	<i>Hardenbergia comptoniana</i>	X	X
	<i>Hovea chorizemifolia</i>	X	X
	<i>Hovea elliptica</i>	X	
	<i>Hovea trisperma</i>	X	X
	<i>Isotropis cuneifolia</i>	X	
	<i>Isotropis cuneifolia</i> subsp. <i>cuneifolia</i>	X	
	<i>Jacksonia alata</i>	X	
	<i>Jacksonia furcellata</i>	X	
	<i>Jacksonia racemosa</i>	X	
	<i>Kennedia coccinea</i>	X	
	<i>Kennedia microphylla</i>	X	
	<i>Kennedia prostrata</i>	X	X
	<i>Labichea punctata</i>	X	X
	* <i>Lotus angustissimus</i>	X	
	* <i>Lotus subbiflorus</i>	X	X
	* <i>Lotus uliginosus</i>	X	
	* <i>Lotus</i> sp.	X	
	<i>Mirbelia dilatata</i>	X	
	<i>Mirbelia floribunda</i>	X	
	<i>Paraserianthes lophantha</i>	X	
	<i>Pultenaea skinneri</i> (P4)	X	
	<i>Sphaerolobium medium</i>	X	
	<i>Sphaerolobium vimineum</i>	X	
	<i>Templetonia drummondii</i>	X	
	* <i>Trifolium ?incarnatum</i>	X	
	* <i>Trifolium angustifolium</i>	X	X

APPENDIX G: VASCULAR PLANT SPECIES RECORDED ON SOUTH32 LEASES AND DURING THE RECENT ASSESSMENT OF WMDE INFILL AREAS AND BAUXITE TRANSPORT CORRIDOR, 2018

Note: * denotes introduced species;

Note: T denotes threatened and P1 to P4 denotes Priority flora species (DBCA 2018a, 2018b)

Family	Species	WME Boddington & Collie Pre 2018	WMDE Infill Areas & Bauxite Transport Corridor 2018
FABACEAE (continued)	* <i>Trifolium arvense</i> var. <i>arvense</i> * <i>Trifolium campestre</i> var. <i>campestre</i> * <i>Trifolium hirtum</i> * <i>Trifolium subterraneum</i> * <i>Trifolium</i> sp. <i>Viminaria juncea</i>	X X X X X X	X X X
GERANIACEAE	* <i>Erodium botrys</i> <i>Erodium cygnorum</i> * <i>Erodium moschatum</i> * <i>Geranium molle</i> <i>Geranium retrorsum</i> <i>Geranium solanderi</i> <i>Pelargonium littorale</i>	X X X X X X X	X
OXALIDACEAE	<i>Oxalis corniculata</i> * <i>Oxalis pes-caprae</i> <i>Oxalis</i> sp.	X X X	X
LINACEAE	<i>Linum marginale</i>	X	
RUTACEAE	<i>Boronia</i> aff. <i>busselliana</i> <i>Boronia crenulata</i> <i>Boronia crenulata</i> var. <i>crenulata</i> <i>Boronia</i> aff. <i>defoliata</i> <i>Boronia fastigiata</i> <i>Boronia molloyae</i> <i>Boronia ovata</i> <i>Boronia tenuis</i> (P4) <i>Diplolaena drummondii</i> <i>Diplolaena microcephala</i> <i>Philotheca spicata</i>	X X X X X X X X X X X	
POLYGALACEAE	<i>Comesperma calymega</i> <i>Comesperma virgatum</i> <i>Comesperma volubile</i> <i>Comesperma</i> sp.	X X X X	
EUPHORBIACEAE	<i>Amperea ericoides</i> <i>Monotaxis occidentalis</i>	X X	
PHYLLANTHACEAE	<i>Phyllanthus calycinus</i> <i>Poranthera huegelii</i> <i>Poranthera microphylla</i>	X X X	X
CELASTRACEAE	<i>Stackhousia huegelii</i> <i>Stackhousia monogyna</i> <i>Stackhousia pubescens</i> <i>Stackhousia scoparia</i> <i>Stackhousia</i> sp. <i>Tripterococcus brunonis</i>	X X X X X X	X
SAPINDACEAE	<i>Dodonaea viscosa</i> <i>Dodonaea ceratocarpa</i> <i>Dodonaea pinifolia</i>	X X X	
RHAMNACEAE	<i>Cryptandra arbutiflora</i> <i>Cryptandra nutans</i> <i>Cryptandra</i> aff. <i>polyclada</i> <i>Trymalium odoratissimum</i> subsp. <i>odoratissimum</i> <i>Trymalium ledifolium</i>	X X X X X	X X

		WME Boddington & Collie Pre 2018	WMDE Infill Areas & Bauxite Transport Corridor 2018
Family	Species		
ELAEocarpaceae	<i>Platytheca galioides</i>	X	
	<i>Tetradlea hirsuta</i>	X	X
	<i>Tetradlea virgata</i>	X	
	<i>Tremandra diffusa</i>	X	
	<i>Tremandra stelligera</i>	X	
MALVACEAE	<i>Lasiopetalum cardiophyllum</i> (P4)	X	
	<i>Lasiopetalum floribundum</i>	X	X
	<i>Lasiopetalum glabratum</i>	X	
	<i>Lasiopetalum glutinosum</i>	X	
	<i>Thomasia foliosa</i>	X	
	<i>Thomasia grandiflora</i>	X	
	<i>Thomasia paniculata</i>	X	
	<i>Thomasia pauciflora</i>	X	
DILLENIACEAE	<i>Hibbertia acerosa</i>	X	
	<i>Hibbertia amplexicaulis</i>	X	X
	<i>Hibbertia commutata</i>	X	X
	<i>Hibbertia</i> aff. <i>commutata</i>	X	
	<i>Hibbertia cunninghamii</i>	X	
	<i>Hibbertia diamesogenos</i>		X
	<i>Hibbertia glomerata</i>	X	
	<i>Hibbertia hypericoides</i>	X	X
	<i>Hibbertia lasiopus</i>	X	
	<i>Hibbertia perfoliata</i>	X	
	<i>Hibbertia pilosa</i>	X	X
	<i>Hibbertia polystachya</i>	X	
	<i>Hibbertia diamesogenos</i>	X	
	<i>Hibbertia serrata</i>	X	
	<i>Hibbertia silvestris</i>	X	
	<i>Hibbertia spicata</i>	X	
	<i>Hibbertia subvaginata</i>	X	
	<i>Hibbertia vaginata</i>	X	
	<i>Hibbertia</i> sp.	X	
	<i>Hibbertia</i> sp. 2	X	
VIOLACEAE	<i>Hybanthus floribundus</i>	X	
THYMELAEACEAE	<i>Pimelea argentea</i>	X	
	<i>Pimelea ciliata</i>	X	X
	<i>Pimelea imbricata</i>	X	X
	<i>Pimelea rosea</i>	X	
	<i>Pimelea suaveolens</i>	X	X
	<i>Pimelea sylvestris</i>	X	
	<i>Pimelea</i> sp.		X
MYRTACEAE	<i>Agonis flexuosa</i>	X	
	<i>Astartea fascicularis</i>	X	
	<i>Babingtonia camphorosmae</i>	X	
	<i>Beaufortia macrostemon</i>	X	
	<i>Calothamnus planifolius</i>	X	
	<i>Calothamnus quadrifidus</i>	X	
	<i>Calothamnus quadrifidus</i> subsp. <i>angustifolius</i>	X	
	<i>Calothamnus sanguineus</i>	X	
	<i>Calytrix flavescens</i>	X	
	<i>Calytrix leschenaultii</i>	X	
	<i>Calytrix simplex</i> subsp. <i>simplex</i> (P1)	X	
	<i>Corymbia calophylla</i>	X	X
	* <i>Corymbia maculata</i>	X	
	<i>Darwinia citriodora</i>	X	

Note: T denotes threatened and P1 to P4 denotes Priority flora species (DBCA 2018a, 2018b)

		WME Boddington & Collie Pre 2018	WMDE Infill Areas & Bauxite Transport Corridor 2018
Family	Species		
MYRTACEAE (continued)	<i>Darwinia thymoides</i>	X	
	<i>Ericomyrtus serpyllifolia</i>	X	
	<i>Eucalyptus accedens</i>	X	X
	* <i>Eucalyptus diversicolor</i>	X	
	<i>Eucalyptus drummondii</i>	X	
	<i>Eucalyptus marginata</i>	X	X
	<i>Eucalyptus megacarpa</i>	X	
	<i>Eucalyptus patens</i>	X	X
	<i>Eucalyptus rudis</i>	X	X
	<i>Eucalyptus aspersa</i>	X	
	<i>Eucalyptus wandoo</i>	X	X
	<i>Hypocalymma angustifolium</i>	X	
	<i>Hypocalymma cordifolium</i>	X	
	<i>Kunzea ericifolia</i>	X	
	<i>Kunzea recurva</i>	X	
	<i>Leptospermum erubescens</i>	X	X
	<i>Leptospermum</i> sp.	X	
	<i>Melaleuca holosericea</i>	X	
	<i>Melaleuca incana</i> subsp. <i>incana</i>	X	
	<i>Melaleuca lateritia</i>		X
	<i>Melaleuca preissiana</i>	X	
	<i>Melaleuca radula</i>	X	
	<i>Melaleuca raphiophylla</i>	X	X
	<i>Melaleuca viminea</i>	X	
	<i>Melaleuca</i> sp.	X	
	<i>Taxandria linearifolia</i>	X	
	<i>Verticordia densiflora</i>	X	
	<i>Verticordia huegelii</i>	X	
	<i>Verticordia pennigera</i>	X	
	<i>Verticordia picta</i>	X	
	<i>Verticordia plumosa</i>	X	
	<i>Verticordia serrata</i>	X	
	HALORAGACEAE	<i>Glischrocaryon aureum</i>	X
<i>Gonocarpus benthamii</i>		X	
<i>Gonocarpus cordiger</i>		X	
<i>Gonocarpus diffusus</i>		X	
ARALIACEAE	<i>Trachymene ornata</i>	X	
	<i>Trachymene pilosa</i>	X	X
APIACEAE	<i>Apium prostratum</i>	X	
	<i>Daucus glochidiatus</i>	X	X
	<i>Eryngium pinnatifidum</i>	X	
	<i>Pentapeltis peltigera</i>	X	
	<i>Pentapeltis silvatica</i>	X	
	<i>Platysace compressa</i>	X	
	<i>Platysace filiformis</i>	X	
	<i>Platysace juncea</i>	X	
	<i>Platysace tenuissima</i>	X	
	<i>Platysace teres</i>	X	
	<i>Platysace</i> sp.	X	
	<i>Trachymene pilosa</i>	X	
	<i>Xanthosia atkinsoniana</i>	X	
	<i>Xanthosia candida</i>	X	X
	<i>Xanthosia huegelii</i>	X	
<i>Xanthosia</i> sp. (KA257)	X		
ERICACEAE	<i>Andersonia involucrata</i>	X	
	<i>Andersonia lehmanniana</i>	X	
	<i>Andersonia</i> sp. (DAH80131)	X	
	<i>Astroloma ciliatum</i>	X	

Note: T denotes threatened and P1 to P4 denotes Priority flora species (DBCA 2018a, 2018b)

		WME Boddington & Collie Pre 2018	WMDE Infill Areas & Bauxite Transport Corridor 2018
Family	Species		
ERICACEAE (continued)	<i>Astroloma compactum</i>	X	
	<i>Astroloma drummondii</i>	X	
	<i>Astroloma epacridis</i>	X	
	<i>Astroloma pallidum</i>	X	X
	<i>Astroloma</i> aff. <i>pallidum</i> (ASW 12516)	X	
	<i>Astroloma</i> sp.		X
	<i>Leucopogon australis</i>	X	
	<i>Leucopogon capitellatus</i>	X	X
	<i>Leucopogon conostephioides</i>	X	
	<i>Leucopogon cordatus</i>	X	
	<i>Leucopogon hirsutus</i>	X	
	<i>Leucopogon nutans</i>	X	X
	<i>Leucopogon oxycedrus</i>	X	
	<i>Leucopogon propinquus</i>	X	X
	<i>Leucopogon pubescens</i>	X	
	<i>Leucopogon</i> sp. Boddington (D. Halford 80746)	X	
	<i>Leucopogon verticillatus</i>	X	
	<i>Leucopogon</i> sp. (ASW 12691)	X	
	<i>Leucopogon</i> sp. (ASW 12539a)	X	
	<i>Leucopogon</i> sp. (JK 10)	X	X
	<i>Lysinema ciliatum</i>	X	
	<i>Styphelia tenuiflora</i>	X	
PRIMULACEAE	* <i>Lysimachia arvensis</i>	X	X
	<i>Samolus junceus</i>	X	
LOGANIACEAE	<i>Orianthera campanulata</i>	X	
	<i>Orianthera serpyllifolia</i>	X	
	<i>Phyllangium divergens</i>	X	
	<i>Phyllangium paradoxum</i>	X	X
GENTIANACEAE	* <i>Centaurium erythraea</i>	X	
APOCYNACEAE	* <i>Gomphocarpus fruticosus</i>	X	
BORAGINACEAE	<i>Halgania anagalloides</i> var. Southern (A.E. Orchard 1609)	X	
LAMIACEAE	<i>Hemiandra pungens</i>	X	
	<i>Hemigenia pritzelii</i>	X	
	<i>Hemigenia sericea</i>	X	
	<i>Hemiandra</i> sp. (DAH 808167)	X	
	* <i>Mentha suaveolens</i>	X	
	* <i>Stachys arvensis</i>	X	
OROBANCHACEAE	* <i>Bellardia viscosa</i>	X	
	* <i>Orobanche minor</i>	X	
	* <i>Parentucellia latifolia</i>	X	
LENTIBULARIACEAE	<i>Utricularia multifida</i>	X	
	<i>Utricularia menziesii</i>	X	
RUBIACEAE	* <i>Galium murale</i>	X	
	<i>Opercularia apiciflora</i>	X	
	<i>Opercularia echinocephala</i>	X	X
	<i>Opercularia hispidula</i>	X	
	<i>Opercularia vaginata</i>	X	
CAMPANULACEAE	<i>Wahlenbergia multicaulis</i>	X	
	<i>Isotoma hypocrateriformis</i>	X	X
	<i>Lobelia anceps</i>	X	
	<i>Lobelia gibbosa</i>	X	

APPENDIX G: VASCULAR PLANT SPECIES RECORDED ON SOUTH32 LEASES AND DURING THE RECENT ASSESSMENT OF WMDE INFILL AREAS AND BAUXITE TRANSPORT CORRIDOR, 2018

Note: * denotes introduced species;

Note: T denotes threatened and P1 to P4 denotes Priority flora species (DBCA 2018a, 2018b)

		WME Boddington & Collie Pre 2018	WMDE Infill Areas & Bauxite Transport Corridor 2018
Family	Species		
CAMPANULACEAE (continued)	<i>Lobelia heterophylla</i>	X	
	<i>Lobelia rhombifolia</i>	X	
	<i>Lobelia</i> sp. (DAH 80593)	X	
GOODENIACEAE	<i>Dampiera alata</i>	X	X
	<i>Dampiera eriocephala</i>	X	
	<i>Dampiera hederacea</i>	X	
	<i>Dampiera linearis</i>	X	
	<i>Dampiera lavandulacea</i>	X	
	<i>Goodenia convexa</i>	X	
	<i>Goodenia eatoniana</i>	X	
	<i>Goodenia</i> aff. <i>hassallii</i> (JK 36)	X	
	<i>Goodenia incana</i>	X	
	<i>Goodenia pusilla</i>	X	
	<i>Goodenia</i> sp. (DAH 810182)	X	
	<i>Goodenia</i> sp. (DAH 808129)	X	
	<i>Lechenaultia biloba</i>	X	X
	<i>Lechenaultia expansa</i>	X	
	<i>Scaevola calliptera</i>	X	X
	<i>Scaevola glandulifera</i>	X	
	<i>Scaevola platyphylla</i>	X	
	<i>Scaevola striata</i>	X	
	<i>Velleia trinervis</i>	X	
STYLIDIACEAE	<i>Levenhookia pusilla</i>	X	X
	<i>Levenhookia stipitata</i>	X	
	<i>Stylidium adnatum</i>	X	
	<i>Stylidium affine</i>	X	X
	<i>Stylidium amoenum</i>	X	X
	<i>Stylidium brunonianum</i>	X	
	<i>Stylidium bulbiferum</i>	X	
	<i>Stylidium calcaratum</i>	X	
	<i>Stylidium caricifolium</i>	X	
	<i>Stylidium ciliatum</i>	X	X
	<i>Stylidium crassifolium</i>	X	
	<i>Stylidium dichotomum</i>	X	
	<i>Stylidium diversifolium</i>	X	
	<i>Stylidium glaucum</i>	X	
	<i>Stylidium hispidum</i>	X	
	<i>Stylidium imbricatum</i>	X	
	<i>Stylidium junceum</i>	X	
	<i>Stylidium lateriticola</i>	X	
	<i>Stylidium lineatum</i>	X	
	<i>Stylidium petiolare</i>	X	
	<i>Stylidium piliferum</i>	X	X
	<i>Stylidium pulchellum</i>	X	
	<i>Stylidium repens</i>	X	
	<i>Stylidium rhynchocarpum</i>	X	
	<i>Stylidium schoenoides</i>	X	
	<i>Stylidium spathulatum</i>	X	
	<i>Stylidium uniflorum</i>	X	
	<i>Stylidium</i> sp.		X
ASTERACEAE	* <i>Arctotheca calendula</i>	X	X
	<i>Asteridea gracilis</i> (P3)	X	
	<i>Blennospora drummondii</i>	X	
	<i>Brachyscome iberidifolia</i>	X	
	* <i>Carduus pycnocephalus</i>	X	
	* <i>Carduus</i> sp.	X	
	* <i>Cirsium vulgare</i>	X	
	* <i>Conyza bonariensis</i>	X	
	* <i>Conyza sumatrensis</i>	X	

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Note: * denotes introduced species;

Note: T denotes threatened and P1 to P4 denotes Priority flora species (DBCA 2018a, 2018b)

Family	Species	WME Boddington & Collie Pre 2018	WMDE Infill Areas & Bauxite Transport Corridor 2018
ASTERACEAE (continued)	* <i>Cotula coronopifolia</i>	X	
	<i>Craspedia variabilis</i>	X	
	* <i>Dittrichia graveolens</i>	X	
	<i>Euchiton sphaericus</i>	X	
	<i>Gnephosis drummondii</i>	X	
	<i>Hyalosperma cotula</i>	X	X
	<i>Hyalosperma demissum</i>	X	
	* <i>Hypochaeris glabra</i>	X	X
	* <i>Hypochaeris radicata</i>		X
	<i>Lagenophora huegelii</i>	X	X
	<i>Millotia tenuifolia</i>	X	
	<i>Millotia tenuifolia</i> var. <i>tenuifolia</i>	X	
	<i>Olearia paucidentata</i>	X	
	<i>Pithocarpa ramosa</i>	X	
	<i>Podolepis gracilis</i>	X	X
	<i>Podolepis lessonii</i>		X
	<i>Pseudognaphalium luteoalbum</i>		X
	<i>Pterochaeta paniculata</i>	X	
	<i>Quinetia urvillei</i>	X	
	<i>Rhodanthe citrina</i>	X	
	<i>Rhodanthe corymbosa</i>	X	
	<i>Rhodanthe manglesii</i>	X	
	<i>Senecio diaschides</i>	X	X
	<i>Senecio hispidulus</i>	X	
	<i>Senecio leucoglossus</i> (P4)	X	
	<i>Senecio</i> sp. (ASW 12618)	X	
	<i>Senecio</i> sp. (JK 163)	X	
	<i>Siloxerus filifolius</i>	X	
	* <i>Silybum marianum</i>	X	
	* <i>Sonchus asper</i>	X	
	* <i>Sonchus oleraceus</i>	X	X
	* <i>Sonchus</i> sp.	X	
	* <i>Symphyotrichum squamatum</i>	X	
	<i>Trichocline spathulata</i>	X	X
	* <i>Ursinia anthemoides</i> subsp. <i>anthemoides</i>	X	X
	<i>Waitzia nitida</i>	X	
	<i>Waitzia suaveolens</i>		X
	<i>Asteraceae</i> sp.	X	

APPENDIX H: VASCULAR PLANT SPECIES RECORDED ON THE COLLIE REFINERY LEASE

Note: Species listed were extracted from previous baseline studies within the Refinery Lease Area
(Mattiske Consulting Pty Ltd 1999, 2014)

* denotes introduced species and ^ denotes planted species

Family	Species	genus	WAR0701 1999	WOR1403 2014
DENNSTAEDTIACEAE	<i>Pteridium</i>	<i>esculentum</i>	x	x
LINDSAEACEAE	<i>Lindsaea</i>	<i>linearis</i>	x	x
ZAMIAACEAE	<i>Macrozamia</i>	<i>riedlei</i>	x	x
PODOCARPACEAE	<i>Podocarpus</i>	<i>drouynianus</i>	x	x
POACEAE	* <i>Aira</i>	<i>caryophyllea</i>	x	
	<i>Amphipogon</i>	<i>amphipogonoides</i>	x	
	* <i>Briza</i>	<i>maxima</i>	x	
	<i>Neurachne</i>	<i>alopecuroidea</i>	x	x
	* <i>Pentameris</i>	<i>airoides</i>	x	
	<i>Rytidosperma</i>	<i>caespitosum</i>	x	
	<i>Rytidosperma</i>	sp.	x	
	<i>Tetrarrhena</i>	<i>laevis</i>	x	x
CYPERACEAE	<i>Baumea</i>	<i>rubiginosa</i>		x
	<i>Cyathochaeta</i>	<i>avenacea</i>	x	x
	<i>Gahnia</i>	<i>decomposita</i>	x	x
	<i>Gahnia</i>	<i>trifida</i>	x	
	<i>Lepidosperma</i>	<i>squamatum</i>	x	
	<i>Lepidosperma</i>	<i>tenue</i>	x	
	<i>Lepidosperma</i>	<i>tetraquetrum</i>	x	
	<i>Lepidosperma</i>	<i>tuberculatum</i>	x	
	<i>Mesomelaena</i>	<i>tetragona</i>	x	
	<i>Tetraria</i>	<i>capillaris</i>	x	
	<i>Tetraria</i>	<i>octandra</i>	x	x
	<i>Tetraria</i>	sp. Jarrah Forest (R Davis 7391)		x
RESTIONACEAE	<i>Desmocladus</i>	<i>fasciculatus</i>	x	x
	<i>Hypolaena</i>	<i>exsulca</i>	x	x
	<i>Leptocarpus</i>	<i>tenax</i>	x	
	<i>Lepyrodia</i>	<i>macra</i>	x	
	<i>Loxocarya</i>	<i>cinerea</i>	x	
ANARTHRIACEAE	<i>Lyginia</i>	<i>barbata</i>	x	
JUNCACEAE	<i>Juncus</i>	<i>pallidus</i>	x	
ASPARAGACEAE	<i>Chamaescilla</i>	<i>corymbosa</i>	x	x
	<i>Laxmannia</i>	<i>squarrosa</i>	x	
	<i>Lomandra</i>	<i>caespitosa</i>	x	x
	<i>Lomandra</i>	<i>drummondii</i>	x	
	<i>Lomandra</i>	<i>hermaphrodita</i>	x	
	<i>Lomandra</i>	<i>integra</i>		x
	<i>Lomandra</i>	<i>micrantha</i>	x	
	<i>Lomandra</i>	<i>preissii</i>	x	x
	<i>Lomandra</i>	? <i>preissii</i>	x	
	<i>Lomandra</i>	<i>purpurea</i>	x	
	<i>Lomandra</i>	<i>sericea</i>	x	x
	<i>Lomandra</i>	<i>sonderi</i>	x	
	<i>Lomandra</i>	<i>spartea</i>		x
	<i>Lomandra</i>	sp.	x	x
	<i>Thysanotus</i>	<i>dichotomus</i>	x	x
	<i>Thysanotus</i>	<i>fastigiatus</i>		x
	<i>Thysanotus</i>	<i>multiflorus</i>	x	x
	<i>Thysanotus</i>	<i>tenellus</i>	x	
	<i>Thysanotus</i>	<i>thyrsoideus</i>	x	

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Family	Species	genus	WAR0701 1999	WOR1403 2014
DASYPOGONACEAE	<i>Dasypogon</i>	<i>bromeliifolius</i>	x	
	<i>Kingia</i>	<i>australis</i>	x	
XANTHORRHOACEAE	<i>Xanthorrhoea</i>	<i>gracilis</i>	x	x
	<i>Xanthorrhoea</i>	<i>preissii</i>	x	x
HEMEROCALLIDACEAE	<i>Agrostocrinum</i>	<i>scabrum</i>	x	
	<i>Dianella</i>	<i>revoluta</i>	x	
	<i>Johnsonia</i>	<i>lupulina</i>	x	
	<i>Tricoryne</i>	<i>elatior</i>	x	
HAEMODORACEAE	<i>Conostylis</i>	<i>aculeata</i>	x	
	<i>Conostylis</i>	<i>aculeata</i> subsp. <i>aculeata</i>		x
	<i>Conostylis</i>	<i>seminuda</i>	x	
	<i>Conostylis</i>	<i>serrulata</i>	x	x
	<i>Conostylis</i>	<i>setigera</i>	x	x
	<i>Conostylis</i>	<i>setosa</i>	x	x
	<i>Haemodorum</i>	<i>spicatum</i>	x	
	<i>Haemodorum</i>	sp.	x	
HYPOXIDACEAE	<i>Pauridia</i>	<i>glabella</i>	x	
IRIDACEAE	<i>Patersonia</i>	<i>babianoides</i>	x	
	<i>Patersonia</i>	<i>occidentalis</i>	x	x
	<i>Patersonia</i>	<i>pygmaea</i>	x	
	<i>Patersonia</i>	<i>rudis</i>	x	
ORCHIDACEAE	<i>Caladenia</i>	<i>flava</i>	x	x
	<i>Caladenia</i>	<i>macrostylis</i>	x	
	<i>Caladenia</i>	<i>reptans</i>		x
	<i>Caladenia</i>	<i>reptans</i> subsp. <i>reptans</i>	x	
	<i>Caladenia</i>	sp.	x	x
	<i>Cyanicula</i>	<i>sericea</i>	x	
	<i>Elythranthera</i>	<i>brunonis</i>	x	
	<i>Pterostylis</i>	<i>pyramidalis</i>	x	x
	<i>Pterostylis</i>	<i>recurva</i>	x	x
	<i>Pterostylis</i>	<i>vittata</i>	x	x
	<i>Pyrorchis</i>	<i>nigricans</i>	x	x
	<i>Thelymitra</i>	? <i>crinita</i>	x	
	<i>Thelymitra</i>	sp.	x	x
	Orchidaceae	sp.	x	x
CASUARINACEAE	<i>Allocasuarina</i>	<i>fraseriana</i>	x	x
	<i>Allocasuarina</i>	<i>humilis</i>	x	
PROTEACEAE	<i>Adenanthos</i>	<i>obovatus</i>	x	
	<i>Banksia</i>	<i>dallanneyi</i>	x	
	<i>Banksia</i>	<i>dallanneyi</i> var. <i>dallanneyi</i>		x
	<i>Banksia</i>	<i>grandis</i>	x	x
	<i>Banksia</i>	<i>littoralis</i>	x	x
	<i>Banksia</i>	<i>seminuda</i>	x	
	<i>Banksia</i>	<i>sessilis</i>	x	
	<i>Banksia</i>	<i>squarrosa</i> subsp. <i>squarrosa</i>	x	
	<i>Conospermum</i>	<i>capitatum</i>	x	
	<i>Conospermum</i>	<i>capitatum</i> subsp. <i>capitatum</i>		x
	<i>Grevillea</i>	<i>quercifolia</i>	x	
	<i>Hakea</i>	<i>amplexicaulis</i>	x	x
	<i>Hakea</i>	<i>cyclocarpa</i>	x	

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Family	Species	genus	WAR0701 1999	WOR1403 2014
PROTEACEAE (continued)	<i>Hakea</i>	<i>incrassata</i>	x	
	<i>Hakea</i>	<i>lissocarpa</i>	x	x
	<i>Hakea</i>	<i>prostrata</i>	x	
	<i>Hakea</i>	<i>ruscifolia</i>	x	
	<i>Persoonia</i>	<i>elliptica</i>	x	
	<i>Persoonia</i>	<i>longifolia</i>	x	x
	<i>Synaphea</i>	<i>petiolaris</i>	x	
SANTALACEAE	<i>Leptomeria</i>	<i>cunninghamii</i>	x	
POLYGONACEAE	* <i>Rumex</i>	<i>crispus</i>	x	
CHENOPODIACEAE	* <i>Chenopodium</i>	<i>glaucum</i>	x	
AMARANTHACEAE	<i>Ptilotus</i>	<i>manglesii</i>	x	
MONTIACEAE	<i>Calandrinia</i>	<i>quadrivalvis</i>	x	
RANUNCULACEAE	<i>Clematis</i>	<i>pubescens</i>	x	x
	<i>Ranunculus</i>	<i>colonorum</i>	x	
LAURACEAE	<i>Cassytha</i>	sp.	x	
DROSERACEAE	<i>Drosera</i>	<i>erythrorhiza</i>	x	
	<i>Drosera</i>	<i>macrantha</i>	x	x
	<i>Drosera</i>	<i>pallida</i>	x	
	<i>Drosera</i>	<i>stolonifera</i>	x	x
	<i>Drosera</i>	sp.	x	x
PITTOSPORACEAE	<i>Billardiera</i>	<i>floribunda</i>	x	
	<i>Billardiera</i>	<i>heterophylla</i>	x	
	<i>Billardiera</i>	<i>variifolia</i>	x	
	<i>Marianthus</i>	<i>drummondianus</i>	x	x
FABACEAE	<i>Acacia</i>	<i>alata</i>	x	x
	<i>Acacia</i>	<i>browniana</i>	x	
	<i>Acacia</i>	<i>celastrifolia</i>	x	x
	<i>Acacia</i>	<i>divergens</i>	x	x
	<i>Acacia</i>	<i>drummondii</i>	x	
	<i>Acacia</i>	<i>drummondii</i> subsp. <i>candolleana</i>	x	
	<i>Acacia</i>	<i>drummondii</i> subsp. <i>drummondii</i>	x	
	<i>Acacia</i>	<i>extensa</i>	x	x
	<i>Acacia</i>	<i>incurva</i>	x	
	<i>Acacia</i>	<i>lateriticola</i>	x	x
	<i>Acacia</i>	<i>microbotrya</i>	x	
	<i>Acacia</i>	<i>myrtifolia</i>	x	
	<i>Acacia</i>	<i>obovata</i>	x	
	<i>Acacia</i>	<i>pulchella</i>	x	x
	* <i>Acacia</i>	<i>pycnantha</i>		x
	<i>Acacia</i>	<i>saligna</i>	x	x
	<i>Acacia</i>	<i>stenoptera</i>	x	
	<i>Acacia</i>	<i>willdenowiana</i>		x
	<i>Acacia</i>	sp.	x	
	<i>Bossiaea</i>	<i>aquifolium</i>		x
	<i>Bossiaea</i>	<i>aquifolium</i> subsp. <i>aquifolium</i>	x	
	<i>Bossiaea</i>	<i>eriocarpa</i>	x	
	<i>Bossiaea</i>	<i>linophylla</i>	x	
	<i>Bossiaea</i>	<i>ornata</i>	x	x
	<i>Callistachys</i>	<i>lanceolata</i>	x	

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Family	Species	genus	WAR0701 1999	WOR1403 2014
FABACEAE (continued)	<i>Chorizema</i>	<i>ilicifolium</i>	x	
	<i>Chorizema</i>	<i>rhombeum</i>	x	x
	<i>Daviesia</i>	<i>cordata</i>	x	
	<i>Daviesia</i>	<i>decurrens</i>	x	
	<i>Daviesia</i>	<i>divaricata</i>	x	
	<i>Daviesia</i>	<i>incrassata</i>	x	
	<i>Daviesia</i>	<i>physodes</i>	x	
	<i>Daviesia</i>	<i>preissii</i>	x	
	<i>Gastrolobium</i>	<i>bilobum</i>		x
	<i>Gompholobium</i>	<i>capitatum</i>	x	
	<i>Gompholobium</i>	<i>marginatum</i>	x	
	<i>Gompholobium</i>	<i>ovatum</i>	x	
	<i>Hardenbergia</i>	<i>comptoniana</i>	x	
	<i>Hovea</i>	<i>chorizemifolia</i>	x	
	<i>Hovea</i>	<i>elliptica</i>	x	
	<i>Hovea</i>	<i>trisperma</i>	x	x
	<i>Isotropis</i>	<i>cuneifolia</i>	x	
	<i>Kennedia</i>	<i>coccinea</i>	x	
	<i>Kennedia</i>	<i>prostrata</i>	x	
	<i>Labichea</i>	<i>punctata</i>	x	x
	<i>Mirbelia</i>	<i>dilatata</i>	x	x
	<i>Paraserianthes</i>	<i>lophantha</i>	x	
	<i>Pultenaea</i>	<i>skinneri</i> (P4)	x	
	<i>Sphaerolobium</i>	<i>medium</i>	x	x
	* <i>Trifolium</i>	<i>angustifolium</i>	x	
RUTACEAE	? <i>Boronia</i>	aff. <i>busselliana</i>	x	
	<i>Boronia</i>	<i>crenulata</i>	x	
	<i>Boronia</i>	<i>fastigiata</i>	x	x
	<i>Diplolaena</i>	<i>drummondii</i>	x	
	<i>Philotheca</i>	<i>spicata</i>	x	
POLYGALACEAE	<i>Comesperma</i>	<i>virgatum</i>	x	x
PHYLLANTHACEAE	<i>Phyllanthus</i>	<i>calycinus</i>	x	
CELASTRACEAE	<i>Tripterococcus</i>	<i>brunonis</i>	x	
RHAMNACEAE	<i>Trymalium</i>	<i>ledifolium</i>	x	x
	<i>Trymalium</i>	<i>odoratissimum</i> subsp. <i>odoratissimum</i>	x	x
ELAEOCARPACEAE	<i>Tetratheca</i>	<i>hirsuta</i>	x	x
	<i>Tremandra</i>	<i>diffusa</i>	x	
	<i>Tremandra</i>	<i>stelligera</i>	x	
MALVACEAE	<i>Lasiopetalum</i>	<i>floribundum</i>	x	x
	<i>Lasiopetalum</i>	<i>glabratum</i>		x
	<i>Thomasia</i>	<i>grandiflora</i>	x	
	<i>Thomasia</i>	<i>paniculata</i>	x	
DILLENIACEAE	<i>Hibbertia</i>	<i>acerosa</i>	x	
	<i>Hibbertia</i>	<i>amplexicaulis</i>	x	x
	<i>Hibbertia</i>	<i>commutata</i>	x	x
	<i>Hibbertia</i>	<i>cunninghamii</i>		x
	<i>Hibbertia</i>	<i>glomerata</i>	x	
	<i>Hibbertia</i>	<i>hypericoides</i>	x	x
	<i>Hibbertia</i>	<i>lasiopus</i>	x	
	<i>Hibbertia</i>	<i>perfoliata</i>	x	x
	<i>Hibbertia</i>	<i>silvestris</i>	x	

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VIOLACEAE	<i>Hybanthus</i>	<i>debilissimus</i>	x	
THYMELAEACEAE	<i>Pimelea</i>	<i>ciliata</i>	x	
	<i>Pimelea</i>	<i>suaveolens</i>	x	
	<i>Pimelea</i>	<i>sylvestris</i>	x	
MYRTACEAE	<i>Agonis</i>	<i>flexuosa</i>		x
	<i>Astartea</i>	<i>scoparia</i>	x	x
	<i>Babingtonia</i>	<i>camphorosmae</i>	x	
	<i>Calothamnus</i>	<i>quadrifidus</i>	x	
	<i>Calothamnus</i>	<i>quadrifidus</i> subsp. <i>angustifolius</i>		x
	<i>Corymbia</i>	<i>calophylla</i>	x	x
	<i>Darwinia</i>	<i>citriodora</i>		x
	<i>Eucalyptus</i>	<i>accedens</i>	x	
	^ <i>Eucalyptus</i>	<i>diversicolor</i>	x	
	<i>Eucalyptus</i>	<i>marginata</i>	x	x
	<i>Eucalyptus</i>	<i>megacarpa</i>	x	
	<i>Eucalyptus</i>	<i>patens</i>	x	x
	<i>Eucalyptus</i>	<i>rudis</i>	x	
	<i>Eucalyptus</i>	<i>wandoo</i>	x	
	<i>Hypocalymma</i>	<i>angustifolium</i>	x	x
	<i>Hypocalymma</i>	<i>cordifolium</i>	x	x
	<i>Kunzea</i>	<i>ericifolia</i>	x	
	<i>Melaleuca</i>	<i>preissiana</i>	x	
	<i>Melaleuca</i>	<i>rhaphiophylla</i>	x	
	<i>Taxandria</i>	<i>linearifolia</i>	x	x
HALORAGACEAE	<i>Gonocarpus</i>	<i>benthamii</i>	x	
	<i>Gonocarpus</i>	<i>diffusus</i>	x	
ARALIACEAE	<i>Trachymene</i>	<i>pilosa</i>	x	x
APIACEAE	<i>Apium</i>	<i>prostratum</i>	x	
	<i>Daucus</i>	<i>glochidiatus</i>	x	
	<i>Pentapeltis</i>	<i>peltigera</i>	x	x
	<i>Pentapeltis</i>	<i>silvatica</i>	x	
	<i>Platysace</i>	<i>commutata</i>	x	
	<i>Platysace</i>	<i>compressa</i>	x	
	<i>Platysace</i>	<i>filiformis</i>		x
	<i>Platysace</i>	<i>tenuissima</i>	x	
	<i>Xanthosia</i>	<i>atkinsoniana</i>	x	
	<i>Xanthosia</i>	<i>candida</i>	x	x
	<i>Xanthosia</i>	<i>huegelii</i>	x	
ERICACEAE	<i>Andersonia</i>	<i>lehmanniana</i>	x	
	<i>Astroloma</i>	<i>ciliatum</i>	x	
	<i>Astroloma</i>	<i>pallidum</i>	x	
	<i>Leucopogon</i>	<i>australis</i>	x	
	<i>Leucopogon</i>	<i>capitellatus</i>	x	x
	<i>Leucopogon</i>	<i>nutans</i>	x	
	<i>Leucopogon</i>	<i>propinquus</i>	x	x
	<i>Leucopogon</i>	<i>pubescens</i>	x	
	<i>Leucopogon</i>	<i>verticillatus</i>	x	x
	<i>Styphelia</i>	<i>tenuiflora</i>	x	
PRIMULACEAE	* <i>Lysimachia</i>	<i>arvensis</i>	x	x
LOGANIACEAE	<i>Orianthera</i>	<i>serpyllifolia</i>	x	x

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Family	Species	genus	WAR0701 1999	WOR1403 2014
LAMIACEAE	<i>Hemigenia</i>	<i>pritzelii</i>	x	
RUBIACEAE	<i>Opercularia</i>	<i>apiciflora</i>	x	
	<i>Opercularia</i>	<i>echinocephala</i>	x	x
	<i>Opercularia</i>	<i>hispidula</i>	x	
CAMPANULACEAE	<i>Isotoma</i>	<i>hypocrateriformis</i>	x	
GOODENIACEAE	<i>Dampiera</i>	<i>hederacea</i>	x	
	<i>Dampiera</i>	<i>linearis</i>	x	
	<i>Goodenia</i>	<i>eatoniana</i>	x	
	<i>Goodenia</i>	<i>pusilla</i>	x	
	<i>Lechenaultia</i>	<i>biloba</i>	x	
	<i>Scaevola</i>	<i>calliptera</i>	x	x
STYLIDIACEAE	<i>Levenhookia</i>	<i>pusilla</i>	x	x
	<i>Stylidium</i>	<i>adnatum</i>	x	
	<i>Stylidium</i>	<i>amoenum</i>	x	
	<i>Stylidium</i>	<i>calcaratum</i>	x	
	<i>Stylidium</i>	<i>hispidum</i>	x	x
	<i>Stylidium</i>	<i>piliferum</i>	x	x
	<i>Stylidium</i>	<i>rhynchocarpum</i>	x	x
	<i>Stylidium</i>	<i>schoenoides</i>	x	
ASTERACEAE	* <i>Arctotheca</i>	<i>calendula</i>	x	
	<i>Brachyscome</i>	<i>iberidifolia</i>	x	
	* <i>Carduus</i>	<i>sp.</i>		x
	* <i>Conyza</i>	<i>bonariensis</i>	x	
	* <i>Conyza</i>	<i>sumatrensis</i>	x	x
	<i>Craspedia</i>	<i>variabilis</i>	x	x
	<i>Euchiton</i>	<i>sphaericus</i>	x	
	<i>Hyalosperma</i>	<i>cotula</i>	x	
	* <i>Hypochaeris</i>	<i>glabra</i>	x	x
	<i>Lagenophora</i>	<i>huegelii</i>	x	x
	<i>Millotia</i>	<i>tenuifolia</i>	x	
	<i>Pithocarpa</i>	<i>ramosa</i>	x	
	<i>Pterochaeta</i>	<i>paniculata</i>		x
	<i>Rhodanthe</i>	<i>citrina</i>	x	
	<i>Senecio</i>	<i>diaschides</i>	x	
	<i>Senecio</i>	<i>hispidulus</i>	x	x
	<i>Siloxerus</i>	<i>filifolius</i>	x	
	* <i>Symphyotrichum</i>	<i>squamatum</i>	x	
	<i>Trichocline</i>	<i>spathulata</i>	x	x
	* <i>Ursinia</i>	<i>anthemoides</i>	x	
	<i>Waitzia</i>	<i>nitida</i>		x

APPENDIX I: VASCULAR PLANT SPECIES RECORDED IN INFILL AREAS ON WMDE AND BAUXITE TRANSPORT CORRIDOR, 2018

Note: * denotes introduced species;

Note: T denotes threatened and P1 to P4 denotes Priority flora species (DBCA 2018a, 2018b)

Species	Site -Vegetation Types on Infill Areas on WMDE and Bauxite Transport Corridor															
	AC	AD	AY	DG	G	G2	H	H2	M	M2	MG	P	PL	S	ST	Y
<i>Acacia browniana</i>								X								
<i>Acacia celastrifolia</i>									X			X		X		
<i>Acacia drummondii</i> subsp. <i>drummondii</i>									X		X			X		
<i>Acacia lateriticola</i>									X					X		
<i>Acacia pulchella</i>		X			X		X	X	X	X	X	X		X	X	X
<i>Acacia saligna</i>	X	X					X				X					
<i>Acaena echinata</i>							X		X							
<i>Adenanthos barbiger</i>							X									
<i>Agrostocrinum scabrum</i>					X			X	X			X				
* <i>Aira caryophylla</i>								X	X		X			X		
<i>Allocasuarina fraseriana</i>		X					X	X	X			X		X		
<i>Allocasuarina huegeliana</i>					X	X			X		X					
<i>Amphibromus nervosus</i>	X															
* <i>Arctotheca calendula</i>								X	X							
<i>Astroloma pallidum</i>							X		X					X		
<i>Astroloma</i> sp.					X						X					
<i>Austrostipa campylachne</i>					X		X		X			X		X	X	
<i>Austrostipa elegantissima</i>		X		X			X		X	X	X	X		X		
<i>Austrostipa trichophylla</i>									X					X		
* <i>Avena barbata</i>	X		X		X	X	X	X	X	X	X	X	X	X	X	
<i>Banksia dallanneyi</i> var. <i>dallanneyi</i>									X					X		
<i>Banksia grandis</i>														X		
<i>Banksia sessilis</i>							X		X			X		X		X
<i>Billardiera fusiformis</i>							X		X							X
<i>Bossiaea ornata</i>							X	X	X					X		
* <i>Brachypodium distachyon</i>		X		X	X		X	X	X		X			X	X	
* <i>Briza maxima</i>		X		X	X	X	X		X		X			X	X	
* <i>Briza minor</i>		X		X	X		X	X			X			X		
* <i>Bromus diandrus</i>					X		X									
* <i>Bromus madritensis</i>								X	X		X		X		X	
<i>Chamaescilla corymbosa</i>									X		X					
<i>Cheilanthes sieberi</i>						X	X				X				X	
<i>Clematis pubescens</i>							X		X		X			X	X	

APPENDIX I: VASCULAR PLANT SPECIES RECORDED IN INFILL AREAS ON WMDE AND BAUXITE TRANSPORT CORRIDOR, 2018

Note: * denotes introduced species;

Note: T denotes threatened and P1 to P4 denotes Priority flora species (DBCA 2018a, 2018b)

Species	Site -Vegetation Types on Infill Areas on WMDE and Bauxite Transport Corridor															
	AC	AD	AY	DG	G	G2	H	H2	M	M2	MG	P	PL	S	ST	Y
<i>Conostylis setigera</i>									x					x		
<i>Corymbia calophylla</i>		x		x	x	x	x	x	x	x	x	x		x	x	x
<i>Dampiera alata</i>	x															
<i>Daucus glochidiatus</i>								x	x		x			x		
<i>Daviesia preissii</i>									x					x		
<i>Desmocladius fasciculatus</i>									x							
<i>Desmocladius flexuosus</i>					x	x		x	x		x			x		
* <i>Disa bracteata</i>									x							
<i>Drosera sp.</i>		x					x									
* <i>Ehrharta calycina</i>					x	x			x							
* <i>Ehrharta longiflora</i>		x	x		x		x		x		x			x	x	
<i>Eucalyptus accedens</i>										x						
<i>Eucalyptus marginata</i>		x		x	x		x	x	x	x	x	x		x	x	
<i>Eucalyptus patens</i>				x												
<i>Eucalyptus rudis</i>	x	x	x													
<i>Eucalyptus wandoo</i>			x		x		x		x	x	x					x
<i>Gastrolobium sp. Prostrate Boddington (M. Hislop 2130) (P1)</i>																
<i>Gastrolobium spinosum</i>					x											
* <i>Geranium molle</i>					x		x							x	x	
<i>Glischrocaryon aureum</i>									x					x		
<i>Gompholobium marginatum</i>					x				x		x			x		x
<i>Gompholobium polymorphum</i>									x							
<i>Gompholobium preissii</i>														x		
<i>Haemodorum laxum</i>					x	x	x									
<i>Haemodorum simplex</i>						x			x		x				x	
<i>Haemodorum sp.</i>		x														
<i>Hakea lissocarpha</i>								x	x		x			x		
<i>Hakea prostrata</i>		x														
<i>Hardenbergia comptoniana</i>									x							
<i>Hibbertia amplexicaulis</i>									x			x		x		
<i>Hibbertia commutata</i>							x			x						
<i>Hibbertia diamesogenos</i>									x			x		x	x	
<i>Hibbertia hypericoides</i>									x							

APPENDIX I: VASCULAR PLANT SPECIES RECORDED IN INFILL AREAS ON WMDE AND BAUXITE TRANSPORT CORRIDOR, 2018

Note: * denotes introduced species;

Note: T denotes threatened and P1 to P4 denotes Priority flora species (DBCA 2018a, 2018b)

[illegible]

APPENDIX I: VASCULAR PLANT SPECIES RECORDED IN INFILL AREAS ON WMDE AND BAUXITE TRANSPORT CORRIDOR, 2018

Note: * denotes introduced species;

Note: T denotes threatened and P1 to P4 denotes Priority flora species (DBCA 2018a, 2018b)

Species	Site -Vegetation Types on Infill Areas on WMDE and Bauxite Transport Corridor															
	AC	AD	AY	DG	G	G2	H	H2	M	M2	MG	P	PL	S	ST	Y
<i>Melaleuca raphiophylla</i>	x															
<i>Neurachne alopecuroidea</i>					x		x		x		x	x		x		
<i>Opercularia echinocephala</i>														x		
Orchidaceae sp.		x					x									
<i>Oxalis</i> sp.			x	x			x	x	x		x			x	x	
<i>Persoonia longifolia</i>									x							
* <i>Petrorhagia dubia</i>											x	x		x		
<i>Phyllangium paradoxum</i>									x							
<i>Phyllanthus calycinus</i>					x	x	x	x	x	x	x			x	x	
<i>Pimelea ciliata</i>									x							
<i>Pimelea imbricata</i>									x							
<i>Pimelea</i> sp.														x		
<i>Pimelea suaveolens</i>									x							
<i>Poaceae</i> sp.		x					x	x	x	x						
<i>Podolepis gracilis</i>														x		
<i>Podolepis lessonii</i>																x
* <i>Polypogon monspeliensis</i>			x					x								
<i>Pseudognaphalium luteoalbum</i>	x															
<i>Pteridium esculentum</i>									x							
<i>Ptilotus manglesii</i>							x		x							
<i>Ranunculus colonorum</i>												x				
<i>Rytidosperma caespitosum</i>	x						x		x							x
<i>Scaevola calliptera</i>							x	x	x							
<i>Senecio diaschides</i>							x									
* <i>Sonchus oleraceus</i>	x						x	x				x	x			
<i>Stackhousia monogyna</i>							x		x			x		x		
<i>Stylidium affine</i>									x		x					
<i>Stylidium amoenum</i>												x		x		
<i>Stylidium ciliatum</i>							x		x					x		
<i>Stylidium piliferum</i>									x			x		x		
<i>Stylidium</i> sp.									x			x		x		
<i>Tetraria octandra</i>		x					x		x		x			x		
<i>Tetrarrhena laevis</i>			x				x		x		x			x		

APPENDIX I: VASCULAR PLANT SPECIES RECORDED IN INFILL AREAS ON WMDE AND BAUXITE TRANSPORT CORRIDOR, 2018

Note: * denotes introduced species;

Note: T denotes threatened and P1 to P4 denotes Priority flora species (DBCA 2018a, 2018b)

Species	Site -Vegetation Types on Infill Areas on WMDE and Bauxite Transport Corridor															
	AC	AD	AY	DG	G	G2	H	H2	M	M2	MG	P	PL	S	ST	Y
<i>Tetradlea hirsuta</i>									x					x		
<i>Thysanotus dichotomus</i>											x			x		
<i>Trachymene pilosa</i>									x					x		
<i>Trichocline spathulata</i>							x							x		
* <i>Trifolium angustifolium</i>									x							
* <i>Trifolium arvense</i> var. <i>arvense</i>														x		
* <i>Trifolium campestre</i> var. <i>campestre</i>														x		
* <i>Trifolium</i> sp.	x						x	x	x							
<i>Trymalium ledifolium</i>					x		x	x	x		x	x		x	x	
<i>Trymalium odoratissimum</i> subsp. <i>odoratissimum</i>					x				x		x	x		x		
<i>Typha orientalis</i>	x															
* <i>Ursinia anthemoides</i> subsp. <i>anthemoides</i>		x			x	x	x		x		x	x		x		
* <i>Vulpia myuros</i>					x		x		x			x		x		x
<i>Waitzia suaveolens</i>									x							
<i>Xanthorrhoea gracilis</i>									x							
<i>Xanthorrhoea preissii</i>					x		x		x		x	x		x	x	
<i>Xanthosia candida</i>									x							

APPENDIX J: VASCULAR PLANT SPECIES BY SITE-VEGETATION TYPE FOR THE COLLIE REFINERY SURVEY AREA, 1999 AND 2014

Note: * denotes introduced species (DBCA 2018a, DBCA 2018b)

SPECIES	Site-Vegetation Type						
	CQ	CW	SP	ST	SW	TS	W
<i>Acacia alata</i>	X						
<i>Acacia celastrifolia</i>				X	X		
<i>Acacia divergens</i>	X						
<i>Acacia extensa</i>				X			
<i>Acacia lateriticola</i>	X			X	X		
<i>Acacia pulchella</i>		X		X			X
* <i>Acacia pycnantha</i>					X		
<i>Acacia saligna</i>		X		X	X		
<i>Acacia willdenowiana</i>	X						
<i>Agonis flexuosa</i>			X		X		
<i>Allocasuarina fraseriana</i>			X	X	X		
<i>Astartea scoparia</i>	X						
<i>Banksia dallanneyi</i> var. <i>dallanneyi</i>	X				X		X
<i>Banksia grandis</i>			X	X	X		X
<i>Banksia littoralis</i>	X						
<i>Baumea rubiginosa</i>	X						
<i>Boronia fastigiata</i>		X	X	X	X		
<i>Bossiaea aquifolium</i>	X			X	X		X
<i>Bossiaea ornata</i>				X			
<i>Caladenia flava</i>	X			X			
<i>Caladenia reptans</i>				X	X		X
<i>Caladenia</i> sp.					X		
<i>Calothamnus quadrifidus</i> subsp. <i>angustifolius</i>				X			X
* <i>Carduus</i> sp.							X
<i>Chamaescilla corymbosa</i>				X	X		X
<i>Chorizema rhombeum</i>				X			
<i>Clematis pubescens</i>				X	X		X
<i>Comesperma virgatum</i>				X			
<i>Conospermum capitatum</i> subsp. <i>capitatum</i>	X						
<i>Conostylis aculeata</i> subsp. <i>aculeata</i>						X	
<i>Conostylis serrulata</i>				X			
<i>Conostylis setigera</i>					X		
<i>Conostylis setosa</i>				X			
* <i>Conyza sumatrensis</i>							X
<i>Corymbia calophylla</i>	X	X	X	X	X		X
<i>Craspedia variabilis</i>				X			
<i>Cyathochaeta avenacea</i>				X			
<i>Darwinia citriodora</i>		X					
<i>Desmocladius fasciculatus</i>				X	X		
<i>Drosera macrantha</i>					X		
<i>Drosera</i> sp.				X	X		
<i>Drosera stolonifera</i>				X			
<i>Eucalyptus marginata</i>	X		X	X	X		X
<i>Eucalyptus patens</i>	X				X		X
<i>Gahnia decomposita</i>	X						
<i>Gastrolobium bilobum</i>					X		X
<i>Hakea amplexicaulis</i>				X			
<i>Hakea lissocarpha</i>				X	X		X
<i>Hibbertia amplexicaulis</i>				X	X		
<i>Hibbertia commutata</i>	X				X		X
<i>Hibbertia cunninghamii</i>	X						
<i>Hibbertia hypericoides</i>	X		X	X	X		
<i>Hibbertia perfoliata</i>	X			X	X		X

APPENDIX J: VASCULAR PLANT SPECIES BY SITE-VEGETATION TYPE FOR THE COLLIE REFINERY SURVEY AREA, 1999 AND 2014

Note: * denotes introduced species (DBCA 2018a, DBCA 2018b)

SPECIES	Site-Vegetation Type						
	CQ	CW	SP	ST	SW	TS	W
<i>Hovea trisperma</i>				X			
<i>Hypocalymma angustifolium</i>	X			X	X		X
<i>Hypocalymma cordifolium</i>	X						
* <i>Hypochaeris glabra</i>				X			
<i>Hypolaena exsulca</i>				X			
<i>Labichea punctata</i>	X				X		
<i>Lagenophora huegelii</i>	X			X	X		X
<i>Lasiopetalum floribundum</i>	X			X	X		X
<i>Lasiopetalum glabratum</i>					X		
<i>Leucopogon capitellatus</i>	X			X	X		X
<i>Leucopogon propinquus</i>	X			X	X		
<i>Leucopogon verticillatus</i>				X	X		X
<i>Levenhookia pusilla</i>							X
<i>Lindsaea linearis</i>	X				X		
<i>Logania serpyllifolia</i>				X	X		
<i>Lomandra caespitosa</i>	X				X		
<i>Lomandra integra</i>				X			X
<i>Lomandra preissii</i>	X			X			
<i>Lomandra sericea</i>			X	X	X		
<i>Lomandra</i> sp.					X		
<i>Lomandra sparteae</i>					X		X
* <i>Lysimachia arvensis</i>					X		X
<i>Macrozamia riedlei</i>	X			X	X		X
<i>Marianthus drummondianus</i>					X		
<i>Mirbelia dilatata</i>	X			X	X		X
<i>Neurachne alopecuroidea</i>	X			X	X		X
<i>Opercularia echinocephala</i>				X	X		X
Orchidaceae sp.				X			
<i>Patersonia occidentalis</i>				X	X		
<i>Pentapeltis peltigera</i>	X			X	X		
<i>Persoonia longifolia</i>		X		X	X		X
<i>Platysace filiformis</i>				X	X		X
<i>Podocarpus drouynianus</i>				X			
<i>Pteridium esculentum</i>				X	X		
<i>Pterochaeta paniculata</i>				X			
<i>Pterostylis nana</i> sens. lat.					X		X
<i>Pterostylis recurva</i>	X				X		
<i>Pterostylis vittata</i>					X		
<i>Pyrorchis nigricans</i>					X		
<i>Scaevola calliptera</i>					X		
<i>Senecio hispidulus</i>				X			
<i>Sphaerolobium medium</i>							X
<i>Stylidium hispidum</i>					X		
<i>Stylidium piliferum</i>				X	X		
<i>Stylidium rhynchocarpum</i>				X	X		
<i>Taxandria linearifolia</i>	X	X					
<i>Tetraria octandra</i>				X			
<i>Tetraria</i> sp. Jarrah Forest (R Davis 7391)	X		X	X	X		X
<i>Tetrarrhena laevis</i>	X			X	X		X
<i>Tetradlea hirsuta</i>				X			X
<i>Thelymitra</i> sp.			X	X	X		X
<i>Thysanotus dichotomus</i>	X						
<i>Thysanotus fastigiatus</i>	X						

APPENDIX J: VASCULAR PLANT SPECIES BY SITE-VEGETATION TYPE FOR THE COLLIE REFINERY SURVEY AREA, 1999 AND 2014

Note: * denotes introduced species (DBCA 2018a, DBCA 2018b)

SPECIES	Site-Vegetation Type						
	CQ	CW	SP	ST	SW	TS	W
<i>Thysanotus multiflorus</i>			X	X	X		
<i>Trachymene pilosa</i>	X			X	X		X
<i>Trichocline spathulata</i>				X			
<i>Trymalium ledifolium</i>					X		
<i>Trymalium odoratissimum subsp. odoratissimum</i>							X
<i>Waitzia nitida</i>				X			
<i>Xanthorrhoea gracilis</i>				X	X		
<i>Xanthorrhoea preissii</i>	X			X	X		
<i>Xanthosia candida</i>	X						X

APPENDIX K: SUMMARY OF POTENTIAL MATTERS OF ENVIRONMENTAL SIGNIFICANCE UNDER EPBC ACT 1999

K1. SUMMARY OF LIKELIHOOD OF OCCURRENCE OF MNES

A search using the *EPBC Act* Protected Matters Search Tool (PMST) identified 1 Listed Threatened Ecological Community (the “Eucalypt Woodlands of the Western Australian Wheatbelt”) and 9 Listed Threatened Flora Species as occurring, or potentially occurring within a 20km radius of the WMDE, the Bauxite Transport Corridor.

A search using the *EPBC Act* Protected Matters Search Tool (PMST) identified 1 Listed Threatened Ecological Community (the “Banksia Woodlands of the Swan Coastal Plain ecological community”) and 4 Listed Threatened Flora Species as occurring, or potentially occurring within a 20km radius of the CBME (collectively referred to as the Assessment Area).

A likelihood of occurrence assessment was undertaken for each of the potential listed threatened ecological community and threatened flora species potentially occurring within the WMDE and the Bauxite Transport Corridor, and the CBME. The assessment was based on nearby records and habitat availability.

The likelihood of occurrence of each of these threatened communities and species was assessed based on previous flora surveys since the early 1980’s (see Appendix A) for a range of clients (although primarily the Newmont Boddington Gold Mine and South32 Worsley Alumina Pty Ltd) and an understanding of the likelihood of the communities is discussed in Section 5.7 of the report and of the species in Section 5.2 of the report and Appendices D and F). The following tables summarize the threatened communities and threatened flora species that have been recorded, Tables K1 and K2.

Table K1: MNES Threatened Ecological Communities recorded near or within the Assessment Area

Threatened Ecological Community	Status: EPBC Act	WMDE and Bauxite Transport Corridor	CBME
Eucalypt Woodlands of the Western Australian Wheatbelt	Critically Endangered	Potential on eastern fringes of northern Jarrah Forest and does overlap with South32 leases, but was not in the proposed expansion areas of the WMDE and Bauxite Transport Corridor	Unlikely as not near Western Australian Wheatbelt.
Banksia Woodlands of the Swan Coastal Plain ecological community	Endangered	Unlikely as expansion areas occur on eastern sections of the northern Jarrah Forest (not the Swan Coastal Plain and therefore not in expansion areas	Unlikely as expansion areas occur on eastern sections of the northern Jarrah Forest (not the Swan Coastal Plain and therefore not in expansion areas)

APPENDIX K: SUMMARY OF POTENTIAL MATTERS OF ENVIRONMENTAL SIGNIFICANCE UNDER EPBC ACT 1999

One threatened flora (*Caladenia hopperiana*) pursuant to the *EPBC Act 1999* has been recorded within the WMDE and two threatened flora (*Caladenia dorrienii* and *Eleocharis keigheryi*) pursuant to the *EPBC Act 1999* were recorded east of the southeastern expansion areas; but not within the WMDE or Bauxite Transport Corridor. *Caladenia hopperiana* is the only one of the three threatened species recorded in the WMDE.

- *Caladenia hopperiana* (formerly known as *Caladenia* sp. Quindanning) is Threatened under the *BC Act 2016* and Endangered under the *EPBC Act 1999* – occurs within and outside the WMDE in the south eastern section of the mapping (see Figures 5.12 and 5.13).
- *Caladenia dorrienii* is Threatened under the *BC Act 2016* and Endangered under the *EPBC Act 1999* – occurs outside and to the east of the WMDE (see Figure 5.10).
- *Eleocharis keigheryi* is Threatened under the *BC Act 2016* and Vulnerable under the *EPBC Act 1999* – occurs outside and to the east of the WMDE (see Figure 5.13).

No threatened flora species pursuant to the *EPBC Act 1999* have been recorded in the CBME area.

Table K2: MNES Threatened Flora recorded within the WMDE and Bauxite Transport Corridor

Species	Status under EPBC Act	Potential Occurrence / Recorded Location
<i>Caladenia hopperiana</i>	E	WMDE – 15 inside locations and 159 outside locations of WMDE and Transport Corridor; 20 plants inside and 261 outside.

The following text provides a summary of the three potential threatened flora species (sections K2.1 to K2.3).

APPENDIX K: SUMMARY OF POTENTIAL MATTERS OF ENVIRONMENTAL SIGNIFICANCE UNDER EPBC ACT 1999

K2. RECORDED THREATENED FLORA

K2.1 *CALADENIA DORRIENII* (T AND E)

Caladenia dorrienii is listed as a Threatened Flora under the State *Biodiversity Conservation Act 2016* and as Endangered under the Federal *Environmental Protection and Biodiversity Conservation Act 1999*.

Family: ORCHIDACEAE **Common Name:** Cossack Spider-orchid

Habit: Tuberous, perennial, herb, 0.1-0.2 m high.

Flower colour: white-cream-yellow

Flowering period: Sept to Nov.

Soils: Clayey loam. Moist sites adjacent to rivers and seasonal creeks.

IBRA Distribution: Avon Wheatbelt and Jarrah Forest

Florabase records: 16

Description:

This is a small orchid producing 1—3 distinctive flowers with narrow linear greenish-white sepals (modified leaves), and petals with longitudinal red veins and dark glandular hairy tips. The erect dorsal sepal (top 'petal') is 25—30 mm in length. The labellum (lower 'lip' petal) has a few irregular marginal teeth and two rows of closely set glands (7—8 in each row) along the middle. The flowers are produced on a slender, erect, hairy stem, up to 20 cm high. A narrow, linear leaf clasps this stem near its base and there is a short bract midway along its length. The plant is dormant between December and late April.

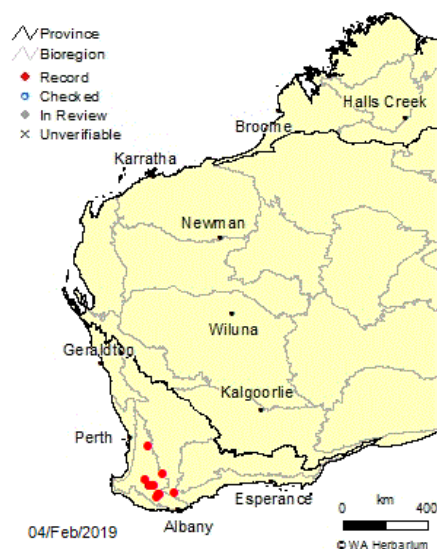
Number of Plants and Potential Populations

The results from previous data searches reflect the presence of some 14 plants on an area of private property outside the proposed Worsley Mining Development Envelope (WMDE) (Mattiske Consulting Pty Ltd 2019 – Flora and Vegetation report). Data sourced from Department of Biodiversity, Conservation and Attractions in 2018.

Associated vegetation communities:

Open Wandoo (*Eucalyptus wandoo*) or Jarrah (*E. marginata*) woodland. The species grows amongst low, scattered shrubs, annuals and dense low herbs, often on slopes and near streams. The occurrence at Boddington occurs at the current northern extent of its range according to the distribution available from the Florabase (WAH 1998-).

Caladenia dorrienii



APPENDIX K: SUMMARY OF POTENTIAL MATTERS OF ENVIRONMENTAL SIGNIFICANCE UNDER EPBC ACT 1999

References:

Western Australian Herbarium (1998–). FloraBase—the Western Australian Flora. *Caladenia dorrienii*. Department of Biodiversity, Conservation and Attractions. Available from:

<https://florabase.dpaw.wa.gov.au/browse/profile/10850>

Department of the Environment, Water, Heritage and the Arts (2008). Approved Conservation Advice for *Caladenia dorrienii* (Cossack Spider-orchid). Canberra: Department of the Environment, Water, Heritage and the Arts. Available from: <http://www.environment.gov.au/biodiversity/threatened/species/pubs/78672-conservation-advice.pdf>

K2.2 CALADENIA HOPPERIANA (T AND E)

Caladenia hopperiana is listed as a Threatened Flora under the State *Biodiversity Conservation Act 2016* and as Endangered under the Federal *Environmental Protection and Biodiversity Conservation Act 1999*.

Family: ORCHIDACEAE **Common Name:** Quindanning Spider Orchid, Boddington spider orchid

Habit: Erect herb, grows to 35cm high

Flower colour: one to four yellowish to creamy-white flowers to 6cm across.

Flowering period: Late Sept to Oct.

Soils: seasonal creeks and swamps.

IBRA Distribution: Jarrah Forest

Florabase records: 4

Number of Plants and Potential Populations

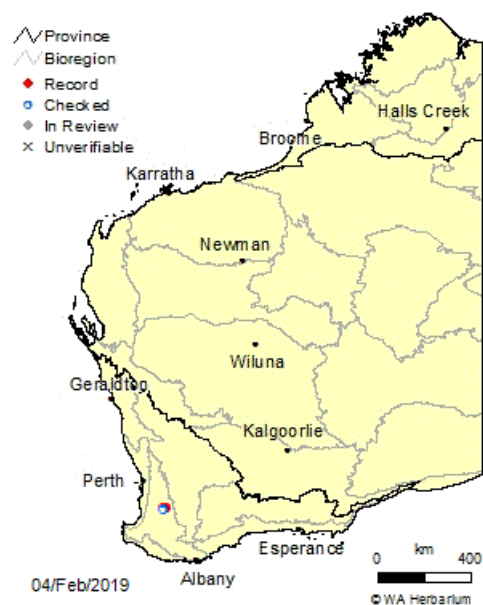
The results from previous data searches reflect the presence of some 200 to 280 plants (in some instances plant numbers were not recorded as historical records) in 6 to 7 locations; with the majority of records collected by South32 site environmental team members in the one valley system. This orchid has been recorded on the Mooradung Nature Reserve 32448, near tracks off the Pinjarra to Williams Road, near the Williams to Quindanning Road and on Timber Reserve 17125. These plants occur within and outside the Worsley Mining Development Envelope (WMDE) in the south eastern section of the mapping areas (Mattiske Consulting Pty Ltd 2019 Flora and Vegetation report). Data sourced from Department of Biodiversity, Conservation and Attractions in 2018 and South32 records.

Associated vegetation community:

Eucalyptus wandoo woodland on the margins of seasonal creeks and swamps with *Melaleuca viminea*, *Chorizandra enodis*, *Craspedia variabilis* and other orchid species including *Caladenia longicauda* subsp. *redacta*, *Diuris laxiflora* and *Prasophyllum gracile*. The occurrence at Boddington, within and near the Quindanning Timber Reserve, is relatively restricted to a local area, according to the distribution available from the Florabase (WAH 1998-)

APPENDIX K: SUMMARY OF POTENTIAL MATTERS OF ENVIRONMENTAL SIGNIFICANCE UNDER EPBC ACT 1999

Caladenia hopperiana



References:

Western Australian Herbarium (1998–). FloraBase—the Western Australian Flora. *Caladenia hopperiana*. Department of Biodiversity, Conservation and Attractions. Available from: <https://florabase.dpaw.wa.gov.au/browse/profile/44901>

Department of Environment and Conservation (2013). *Boddington Spider Orchid (Caladenia sp. Quindanning) interim recovery plan 2013-2017*. Available from: https://www.dpaw.wa.gov.au/images/documents/plants-animals/threatened-species/recovery_plans/Approved_interim_recovery_plans_/Caladenia_sp._Quindanning_332.pdf

Threatened Species Scientific Committee (2018). Conservation Advice *Caladenia hopperiana* Quindanning spider orchid. Canberra: Department of the Environment and Energy. Available from: <http://www.environment.gov.au/biodiversity/threatened/species/pubs/88195-conservation-advice-15022018.pdf>

APPENDIX K: SUMMARY OF POTENTIAL MATTERS OF ENVIRONMENTAL SIGNIFICANCE UNDER EPBC ACT 1999

K2.3 *ELEOCHARIS KEIGHERYI* (T AND V)

Eleocharis keigheryi is listed as a Threatened Flora under the State *Biodiversity Conservation Act 2016* and as Vulnerable under the Federal *Environmental Protection and Biodiversity Conservation Act 1999*.

Family: CYPERACEAE **Common Name:** Keighery's *Eleocharis*

Habit: Rhizomatous, clumped perennial, grass-like or herb (sedge), to 0.4 meters high. Semi-aquatic

Inflorescence: 4-6mm long, 1-2mm wide, colorless or pale green. Flower spike slightly broader than stem with spirally arranged, oblong to narrow ovate bracts. Flowers consist of three stamen and feathery stigma that divides into three.

Flowering period: August to November or December.

Soils: Clay, sandy loam. Emergent in freshwater: creeks, clay pans

IBRA Distribution: Avon Wheatbelt P2, Dandaragan Plateau, Lesueur Sandplain, Northern Jarrah Forest, Perth, Southern Jarrah Forest

Florabase records: 54

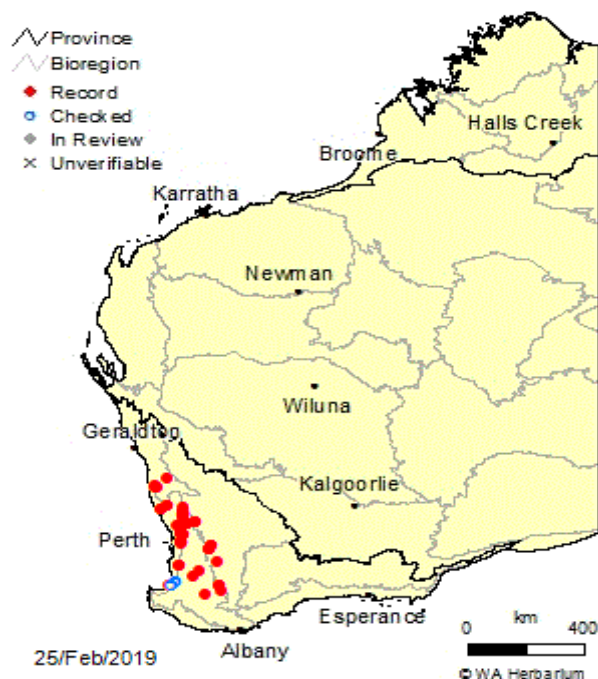
Number of Plants and Potential Populations

The results from previous data searches reflect the presence of 1 plant from the Deefor Wetland, Wandoo National Park, near York. This is outside the proposed Worsley Mining Development Envelope (WMDE) (data sourced from Department of Biodiversity, Conservation and Attractions in 2018). This plant occurs in a range of IBRA regions and as such is not restricted to the eastern areas of the northern Jarrah Forest.

Associated Vegetation: *Melaleuca teretifolia*, *Melaleuca lateritia* over *Leptocarpus canus*, *Chorizandra enodis* over *Villarsia capitata* and herbs. *Melaleuca lateritia* shrubland over aquatic herbs. Low open woodland of *Eucalyptus rudis*, over sedgeland, over herbs. *Melaleuca raphiophylla* trees over *Cyperus* sedgeland.

Associated species: *Melaleuca lateritia*, *Wurmbea* spp., *Tribonanthes* spp., *Leptocarpus* spp., *Chorizandra enodis*, *Stylidium asymmetricum*, *Myriocephalus occidentalis*, *Amphibromus nervosus*, *Gratiola pubescens*, *Myriophyllum limnophyllum*.

Eleocharis keigheryi



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References:

Department of the Environment 2008, '*Approved Conservation Advice for Eleocharis keigheryi* (Keighery's *Eleocharis*)'. [15 February 2019].

Western Australia Herbarium 1998-, Eleocharis keigheryi.

Available from: <https://florabase.dpaw.wa.gov.au/browse/profile/17605> [18/02/2019]