



Department of Conservation and Land Management

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DEPARTMENT OF CONSERVATION
& LAND MANAGEMENT
WESTERN AUSTRALIA

The Habitat of some Rare South-West Flora

Based on surveys carried out as part of the Regional Forest Agreement process

Compiled by Russell Smith, December 1999

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HAB

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This report includes those species where 5 or more sites were surveyed.

SPECIES: *Banksia goodii*

NUMBER OF SITES SURVEYED: 5

GENERAL AREA OF SURVEYS: Redmond NW of Albany

VEGETATION

SPECHT FORMATION: woodland (5), low open woodland (1)

DOMINANT SPECIES:

Found at two or more sites, number of sites in brackets.

TREE	NON-TREE
<i>Eucalyptus marginata</i> (5)	<i>Agonis parviceps</i> (4)
<i>Allocasuarinia fraseriana</i> (4)	<i>Dasypogon bromelliifolius</i> (3)
	<i>Anathria scabra</i> (2)
	<i>Synaphea favosa</i> (2)
	<i>Leucopogon glabellus</i> (2)

LANDFORM

Slope (3)

Hilltop (1)

Saddle (1)

SOIL

Light grey sand (5)

SPECIES: *Banksia verticillata*

NUMBER OF SITES SURVEYED: 5

GENERAL AREA OF SURVEYS: South west of Walpole

VEGETATION

SPECHT FORMATION: Shrubland (2), Low Open Woodland (1), Low Woodland (1), Woodland (1)

DOMINANT SPECIES:

Found at two or more sites, number of sites in brackets.

TREE	NON-TREE
<i>Banksia verticillata</i> (5)	<i>Agonis marginata</i> (5)
<i>Agonis marginata</i> (1)	<i>Eutaxia obovata</i> (5)
<i>A. marginata</i> (1)	<i>Stypandra grandiflora</i> (5)
	<i>Leucopogon floribundum</i> (4)
	<i>Chamelaucium floriferum</i> (3)
	<i>Gastrolobium brownii</i> (3)

LANDFORM

Outcrop: 3

Outcrop/cliff: 1

Hill/Outcrop: 1

SOIL

Sandy loam; Black (2), Very dark brown (2)

Loamy sand; Dark yellowish brown (1)

SPECIES: *Caladenia caesarea* subsp. *maritima*

NUMBER OF SITES SURVEYED: 8

GENERAL AREA OF SURVEYS: near Dunsborough

VEGETATION

SPECHT FORMATION: open heathland (4), heathland (3), sparse heathland (1)

DOMINANT SPECIES:

Found at two or more sites, number of sites in brackets.

TREE	NON-TREE
	<i>Darwinia citriodora</i> (4)
	<i>Allocasuarina humilis</i> (4)
	<i>Calothamnus graniticus</i> (3)
	<i>Hakea trifurcata</i> (3)
	<i>Daviesia horrida</i> (2)
	<i>Xanthorrhoea preissii</i> (2)

LANDFORM

Hilltop (4)

Slope (3)

Ridge (1)

SOIL

Dark brown loamy sand (5)

Dark brown clayey sand (2)

Dark brown sandy clay (1)

SPECIES: *Caladenia christinieae*

NUMBER OF SITES SURVEYED: 7

GENERAL AREA OF SURVEYS: East of Manjimup

VEGETATION

SPECHT FORMATION: Open forest (3), Open woodland (3), Open shrubland (1)

DOMINANT SPECIES:

Species found at two or more sites, number of sites in brackets.

TREE	NON-TREE
<i>Corymbia calophylla</i> (3)	<i>Xanthorrhoea preissii</i> (2)
<i>Eucalyptus rudis</i> (3)	<i>Beaufortia decussata</i> (2)
<i>Eucalyptus marginata</i> (3)	<i>Hakea oleifolia</i> (2)
<i>Melaleuca preissii</i> (2)	<i>Hakea ruscifolia</i> (2)
	<i>Astartea fascicularis</i> (2)

LANDFORM

Valley, Gully or Swamp (7)

SOIL

Sandy loam; yellowish brown (2), dark brown (1), yellow (1)

Sand; light grey (2), yellowish brown (1)

SPECIES: *Caladenia dorrienii*

NUMBER OF SITES SURVEYED: 5

GENERAL AREA OF SURVEYS: Manjimup

VEGETATION

SPECHT FORMATION: Open forest (5)

DOMINANT SPECIES:

Species found at two or more sites, number of sites in brackets.

TREE	NON-TREE
<i>Corymbia calophylla</i> (4)	<i>Macrozamia reidlii</i> (4)
<i>Eucalyptus rudis</i> (3)	<i>Xanthorrhoea preissii</i> (3)
<i>Eucalyptus wandoo</i> (3)	<i>Leucopogon propinquus</i> (3)
	<i>Hypocalymma</i> sp. (3)

LANDFORM

Valley (3)

Slope (1)

Flat (1)

SOIL

Sandy loam; dark brown (2)

Sandy clay loam; dark brown (1)

Sand; dark grey (1)

Clayey sand; light brownish grey (1)

SPECIES: *Caladenia excelsa*

NUMBER OF SITES SURVEYED: 8

GENERAL AREA OF SURVEYS: Dunsborough – Karridale (1), Manjimup (1)

VEGETATION

SPECHT FORMATION: Woodland (6), Open forest (2)

DOMINANT SPECIES:

Species found at 3 or more sites, number of sites in brackets.

TREE	NON-TREE
<i>Agonis flexuosa</i> (6)	<i>Melaleuca thymoides</i> (5)
<i>Eucalyptus marginata</i> (4)	<i>Bossiaea linophylla</i> (3)
<i>Allocasuarina fraserana</i> (4)	<i>Adenanthos meisneri</i> (3)
<i>Corymbia calophylla</i> (3)	<i>Jacksonia horrida</i> (3)

LANDFORM

Flat/Gentle slope (6)

Gully (2)

SOIL

Sand; grey/dark grey (4), greyish brown (2), brown (2)

SPECIES: *Caladenia harringtoniae*

NUMBER OF SITES SURVEYED: 21

GENERAL AREA OF SURVEYS: East and north-east of Manjimup.

VEGETATION (number of sites in brackets)

SPECHT FORMATION: Tall Open Forest (1), Forest (1), Open Forest (4), Woodland (7), Open Woodland (8)

DOMINANT SPECIES:

Note: Species found at four or more sites: number of sites in brackets.

TREE	NON-TREE
<i>Corymbia calophylla</i> (13)	<i>Pimelia rosea</i> (7)
<i>Eucalyptus marginata</i> (10)	<i>Xanthorrhoea preissii</i> (6)
<i>Eucalyptus patens</i> (8)	<i>Trymalium floribundum</i> (6)
<i>Banksia littoralis</i> (6)	<i>Kunzea ericifolia</i> (5)
<i>Melaleuca preisiana</i> (5)	<i>Bossia linophylla</i> (5)
	<i>Agonis linearifolia</i> (4)
	<i>Acacia divergens</i> (4)
	<i>Boronia megastigma</i> (4)

LANDFORM

Valley, Gully, Streamline or Swamp: 19

Hilltop/Outcrop: 1

Slope: 1

SOIL

Sand; Light grey (5), yellowish brown (1); reddish yellow (1)

Sandy loam; yellowish brown (3), brown (3), yellowish red (1), grey (1)

Loam; brown (1), yellowish brown (1), grey (1)

Sandy clay loam; yellowish brown (2)

Clayey sand; reddish brown (1)

SPECIES: *Caladenia huegelii*

NUMBER OF SITES SURVEYED: 4

GENERAL AREA OF SURVEYS: South of Dunsborough

VEGETATION

SPECHT FORMATION: Open forest (2), Woodland (1), Open shrubland (1)

DOMINANT SPECIES:

Found at two or more sites, number of sites in brackets.

TREE	NON-TREE
<i>Corymbia calophylla</i> (3)	<i>Spyridium globulosum</i> (2)
<i>Agonis flexuosa</i> (3)	<i>Acacia pulchella</i> (2)
	<i>Hypocalymma robustuym</i> (2)

LANDFORM

Flat/gentle slope (4)

SOIL

Sand; grey (2), greysih brown (1), yellowish brown (1)

SPECIES: *Daviesia elongata* subsp. *elongata*

NUMBER OF SITES SURVEYED: 4

GENERAL AREA OF SURVEYS: South of Busselton (3), Walpole (1)

VEGETATION

SPECHT FORMATION: Woodland (3), Low forest (1)

DOMINANT SPECIES:

Species found at two or more sites, number in brackets.

TREE	NON-TREE
<i>Corymbia calophylla</i> (3)	<i>Stirlingia latifolia</i> (2)
<i>Eucalyptus marginata</i> (2)	
<i>Allocasuarina fraserana</i> (2)	
<i>Agonis flexuosa</i> (2)	

LANDFORM

Flat/Gentle slope (4)

SOIL

Sand; dark brown (1), yellowish brown (1)

Sandy loam/Loamy sand; greyish brown (1), yellowish brown (1)

SPECIES: *Drakaea micrantha*

NUMBER OF SITES SURVEYED: 5

GENERAL AREA OF SURVEYS: Walpole - Manjimup

VEGETATION

SPECHT FORMATION: Open Woodland (3), Woodland (2)

DOMINANT SPECIES:

Found at two or more sites, number of sites in brackets.

TREE	NON-TREE
<i>Eucalyptus marginata</i> (5)	<i>Dasypogon bromeliifolius</i> (4)
<i>Allocasuarina fraseriana</i> (3)	<i>Agonis parviceps</i> (3)
<i>Corymbia calophylla</i> (2)	<i>Pultenaea reticulata</i> (3)
	<i>Podocarpus drouynianus</i> (3)
	<i>Restio tremulus</i> (2)
	<i>Xanthorrhoea preissii</i> (2)
	<i>Anathria scabra</i> (2)

LANDFORM

Slope (5)

SOIL

Sand: light grey (1), grey (1), light grey (1), very dark grey (1)

Sandy loam: brownish yellow (1)

SPECIES: *Dryandra nivea* subsp. *uliginosa*

NUMBER OF SITES SURVEYED: 7

GENERAL AREA OF SURVEYS: South of Busselton

VEGETATION

SPECHT FORMATION: Shrubland (2), Closed shrubland (1), Very open woodland/Open woodland (2), Heathland (2)

DOMINANT SPECIES:

TREE	NON-TREE
	<i>Viminea juncea</i> (4)
	<i>Pericalymma ellipticum</i> (3)
	<i>Calothamnus aff. crassus</i> (3)
	<i>Hakea varia</i> (2)
	<i>Hakea sp. Williamson</i> (2)

LANDFORM

Flat/Swamp (7)

SOIL

Sandy clay/Clayey sand; yellowish brown (3), yellowish red (1), strong brown (1)

Sandy loam/Sandy clay loam; yellowish red (1), strong brown (1)

LIMITING HORIZON

Sheet ironstone (7)

SPECIES: *Kennedia glabrata*

NUMBER OF SITES SURVEYED: 6

GENERAL AREA OF SURVEYS: Walpole

VEGETATION

SPECHT FORMATION: Shrubland (3), Outcrop (2), Closed Heathland (1)

DOMINANT SPECIES:

Found at two or more sites, number of sites in brackets.

TREE	NON-TREE
	<i>Agonis linearifolia</i> (5)
	<i>Eutaxia obovata</i> (3)
	<i>Lepidosperma gladiatum</i> (3)
	<i>Andersonia sprengeloides</i> (2)

LANDFORM

Outcrop: 5

Slope: 1

SOIL

Sandy loam: very dark grey (3), black (1)

Loam: dark brown (1)

Clay loam: black (1)

SPECIES: *Thelymitra stellata*

NUMBER OF SITES SURVEYED: 6

GENERAL AREA OF SURVEYS: Mundaring

VEGETATION

SPECHT FORMATION: Open Woodland (4), Woodland (1), Open Forest (1)

DOMINANT SPECIES:

Found at two or more sites, number of sites in brackets.

TREE	NON-TREE
<i>Corymbia calophylla</i> (5)	<i>Xanthorrhoea preissii</i> (5)
<i>Allocasuarina fraseriana</i> (4)	<i>Hibbertia hypericoides</i> (5)
<i>Eucalyptus marginata</i> (3)	<i>Drynandra nivea</i> (5)
	<i>Dryandra sessilis</i> (4)
	<i>Isopogon sphaerocephalus</i> (2)
	<i>Neurachne alopecuroidea</i> (2)
	<i>Grevillea wilsonii</i> (2)
	<i>Hakea lissocarpha</i> (2)

LANDFORM

Slope (5)

SOIL

Sand: brown (1), very dark greying brown (1), dark brown (1)

Loamy sand: dark yellowish brown (1)

Clayey sand: very dark greyish brown (1)