

Rittle Range Horey

100 Road
Grevillea wilsonii (tetartea)

Bossia eriocarpa

Yantia acanthostegia

Hakea cydo

Euc. mang. ssp. etc.

Euc. haem. ssp.

Iso sphaero

Top of Rittle Range

grey soil over yel. sand

Euc. mang. ssp. etc. Mesogyne

(Red white fls. in tree)

Bossia eriocarpa / small

Acacia acuminata, Yantia gracilis

Dry bipinnat Labick punct.

Yantia gracilis, Iso sphaero

Truost. Dreessii (fire), Veissowia ssp.

Var elliptica, Meso tetra

Grev. wilsonii, Euc. haem.

(change to tetartea get Eh.)

Meso gracile, Bos aquitana, Ac. lutea

100 yd. in plateau forest

Scott Wood Additional Areas

Horvey: Δ Rittle Range in Horey

Δ Kemerton & North to
Cuthrie block.

Report on the Floral Values of the Bushland in Harvey Townsite

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INTRODUCTION

Areas of the Ridge Hill Shelf still retaining natural vegetation are rare, since this geomorphic unit has been 98% cleared over its geographical range. Only small remnants remain scattered between Midland and Harvey.

In a geographic sequence from North to South they are:

- 1) PERTH METROPOLITAN AREA
Talbot Road Reserve, Midland (Shire of Swan Reserve)
Bushmead Rifle Range (Commonwealth)
Ellis Brook, Gosnells (Shire of Gosnells Reserve)
Portion of Serpentine National Park (CALM)

- 2) PINJARRA AREA

Then there is a large gap, where most remnants are wetland complexes of Pinjarra Plain abutting the Shelf, ie: Waroona (CTRC 53) and Meelon Nature Reserve. Only Burnside Road Reserve, east of Pinjarra is an area of Ridge Hill Shelf. This is a sandy area similar to the Yarloop Reserves, but higher in the landscape.

- 3) SOUTHERN AREA (YARLOOP TO BUNBURY)

- Bancell Road Reserve (?)
Yarloop Reserves (?CALM & ?)
Harvey Reserves (CALM & ?Shire)

The Harvey bushland will be compared and contrasted to the other remnants in the southern area.

LOCATION

This area is in the townsite of Harvey. It lies immediately south of the Mornington District Office of CALM, between the Harvey to Quindanning road, South Western Highway and Logue Road (Figure 1). The area comprises Town of Harvey, Lot 2, Reserve 21587, vested in the Executive Director of CALM of 54 hectares. Landforms are an eastern plateau of laterite, sloping steeply to the west with increasing overlays of sand. From near the Rifle Range a moderately sloping area of colluvial white sand continues to South Western Highway. An ephemeral creekline runs partially through the area.

VEGETATION PRESENT AND CONDITION

The lateritic plateau has an open woodland of Jarrah (*E. marginata* ssp. *marginata*) this merges downslope into a low open woodland of Ridge Hill Jarrah (*E. marginata* ssp. *elegantella*) and Mountain Marri (*E. haematoxylon*) where there is more sand overlying the laterite. The bottom sandy soils supported a woodland of Marri (*E. calophylla*) over *Banksia* species, which dominate in areas. All of these vegetation types are characteristic of the Ridge Hill Shelf.

The vegetation types are very interesting because of the juxtaposition of the two subspecies of Jarrah and the two closely related species of Marri. There are few areas of Ridge Hill Shelf vegetation left so comparisons are difficult, however, neither Yarloop nor Bancell Road have woodlands of Ridge Hill Jarrah or Mountain Marri. Mountain Marri is approaching the edges of its range in this area, and is not found in any other Coastal Plain remnant north of Harvey, although it is present along the Darling Scarp to North Dandalup.

Yarloop and Bancell Road, they are significantly different in vegetation types and species composition. In addition several vegetation communities and plant species are currently only recorded from the Harvey Reserves for the Swan Coastal Plain.

This area also uniquely preserves the transition between the Darling Plateau laterites and the colluvial sands of the Ridge Hill Shelf.

The area is a significant remnant of the Ridge Hill Shelf, and one of the largest areas of this geomorphic unit still vegetated, hence it posses very high conservation values.

Table One: Vascular Plants Recorded from The Harvey and Yarloop Townsite Reserves

Yarloop Reserves

Harvey

Bancell Rd

Aizoaceae

Macarthuria apetala

Amaranthaceae

Ptilotus manglesii

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Alternanthera nodiflora

Anthericaceae

Arthropodium capillipes

*

*

Caesia micrantha

*

*

Caesia occidentalis

*

*

Chaemascilla corymbosa

*

*

Laxmannia sessiliflora

*

Laxmannia ramiflora

Thysanotus ? manglesianus

*

Thysanotus multiflorus

*

Thysanotus sparteus

*

*

Tricoryne elatior

*

*

Tricoryne tenella

*

*

Apiaceae

Homalosciadium homalocarpum

*

*

Hydroctyle callicarpa

*

*

Pentapeltis peltigera

*

*

Trachymene pilosa

*

*

Xanthosia ciliata

*

Xanthosia huegelii

*

*

Asteraceae

*Hypochaeris glabra

*

*

Lagenifera huegelii

*

*

Olearia paucidentata

Podolepis gracilis

Podotheca angustifolia

Trichocline spathulata

Campanulaceae

Wahlenbergia preissii

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*

Casuarinaceae

Allocasuarina fraseriana

Allocasuarina humilis

*

Allocasuarina huegeliana

Caesalpiniaceae

Labichea punctata

*

*

Colchicaceae

Burchardia umbellata

*

*

Flora
list

Cyperaceae

Lepidosperma angustatum		Cyathochaeta avenacea
Lepidosperma leptostachyum		*
Lepidosperma ?tenue	*	*
		Lepidosperma scabrum
Lepidosperma squamatum	*	
Mesomelaena graciliceps	*	
Mesomelaena tetragona	*	*
		Tetraria australiense
Tetraria capillaris	*	*
Tetraria octandra	*	*
	Trichostularia neesii	

Dasypogonaceae

Calectasia cyanea	*	
Dasypogon bromeliifolius		*
		Kingia australis

Lomandra brittanii

Lomandra caespitosa	*	
Lomandra hermaphrodita		
Lomandra preissii		*
Lomandra purpurea	*	
Lomandra sonderi		
Lomandra sericea	*	*
Lomandra suaveolens		

Dilleniaceae

Hibbertia acerosa	*	*
Hibbertia amplexicaulis	*	
	Hibbertia cunninghamii	*
Hibbertia huegelii		
Hibbertia ?montana	*	
Hibbertia hypericoides	*	*
	Hibbertia racemosa	
	Hibbertia vaginata	

Droseraceae

Drosera erythrorhiza	*	*
Drosera stolonifera	*	

Epacridaceae

Astroloma ciliata	*	*
Astroloma pallidum	*	
Constephium pendulum	*	
Constephium preissii	*	
	Lysinema ciliatum	*
Styphelia tenuiflora	*	*

Euphorbiaceae

Phyllanthus calycinus	*	*
Stachystemon vermicularis	*	*

Goodeniaceae

Dampiera linearis	*	*
Goodenia caerulea	*	*
Lechenaultia biloba		*

Lechenaultia floribunda		*
Scaevola calliptera		
Scaevola phelbopetala	*	*
Scaevola repens	*	*
Haemodoraceae		
Anigozanthos manglesii	*	
Conostylis aculeata	*	
Conostylis juncea		
Conostylis setigera	*	*
Haemodorum laxum	*	*
Haemodorum loratum		
Haemodorum spicatum	*	
Phelocarya ciliatum	*	
Phelbocarya filifolia		
Iridaceae		
*Freesia hybrid		
Patersonia juncea	*	
Patersonia occidentalis	*	*
		Patersonia rudis
*Romulea rosea	*	*
		*Watsonia bulbifera
Juncaceae		
Juncus bufonius		
Lamiaceae		
Hemiandra pungens	*	
Lauraceae		
Cassytha micrantha		
	Cassytha flava	
	Cassytha pomiformis	
Cassytha racemosa		
Lobeliaceae		
Lobelia tenuior	*	*
Loganiaceae		
Logania serpyllifolia	*	
Mitrasacme paradoxa	*	
Loranthaceae		
Nuytsia floribunda	*	*
Mimosaceae		
Acacia drewiana		*
	Acacia extensa	*
Acacia huegellii	*	*
Acacia lasiocarpa		
Acacia latericola	*	
	Acacia nervosa	
		Acacia paradoxa
Acacia preissiana		*
Acacia pulchella		*
Acacia saligna	*	*
Acacia sessilis		*
Acacia stenoptera	*	*

		Acacia teretifolia
Myrtaceae		
Eucalyptus calophylla	Baeckea camphorosmae *	*
Eucalyptus marginata	* Eucalyptus haematoxylon	*
		Hypocalymma angustifolia
Kunzea ericifolia	Hypocalymma robustum *	
		Kunzea recurva
*Leptospermum laevigatum	*	
Melaleuca ?scabra	*	*
Melaleuca thymoides	*	
Scholtzia ciliata		
Orchidaceae		
Caladenia discoidea		
Caladenia flava	*	
Cryptostylis ovata		
Lyperanthus nigricans	*	
*Monadenia bracteata		*
Prasophyllum parvifolium		
Pterostylis vittata		
Pterostylis recurva		
Thelymitra crinita	*	
Orobanchaceae		
Orobanche minor	*	*
Papilionaceae		
Bossiaea eriocarpa	*	*
Bossiaea sp (229)	*	*
*Cytissus prolifera		
Daviesia divaricata	*	*
Daviesia inflata		*
Daviesia physodes	*	*
Daviesia preissii	*	
		Daviesia rhombifolia
Gompholobium tomentosuum	*	*
Gompholobium confertum		
Gompholobium knightianum	*	*
Gompholobium marginatum	*	*
Gompholobium ovatum		
Gompholobium polymorphum	*	*
Gompholobium preissii	*	
Gompholobium shutleworthii		
Hovea chorizemifolia	*	
Hovea trisperma	*	*
	Jacksonia furcellata	
	Jacksonia sternbergiana	*
Kennedia coccinea		
Kennedia prostrata	*	*
Nemcia capitatum	*	*
*Trifolium angustifolia		*
Trifolium campestre		*
Pittosporaceae		

Pronaya fraseri	*	*
Phormiaceae		
Agrostocrinum scabrum	*	*
Dianella revoluta	*	
Stypandra glauca	*	
Poaceae		
Amhipogon turbinatus	*	Amhipogon laguroides *
*Briza maxima	*	*Avena barbata *
*Cynodon dactylon	*	*
Danthonia occidentalis	*	*
*Eragrostis curvula	*	*
Neurachne alopecuroidea	*	*
		Poa drummondiana
		*Pennisetum clandestinum
		*Stenotraphum secundatum
Stipa campylachne	*	*
Stipa flavescens		
Tetrarrhena laevis	*	*
Polygalaceae		
Comesperma calymega	*	*
Comesperma virgatum	*	
Polygonaceae		
		Polygonum prostratum
Proteaceae		
Adenanthos meisneri	*	
Banksia attenuata	*	
Banksia grandis	*	*
Conospermum stoechadis		
		Dryandra armata *
Dryandra bipinnatifida	*	*
Dryandra nivea	*	*
		Grevillea pilulifera *
Grevillea quercifolia		*
Grevillea wilsonii	*	*
		Hakea amplexicaulis *
Hakea cyclocarpa	*	*
		Hakea prostrata *
Hakea ruscifolia	*	*
Hakea stenocarpa	*	*
		Isopogon asper
		Isopogon dubius
		Isopogon sphaerocephalus *
Persoonia elliptica	*	*
		Persoonia longifolia *
Persoonia saccata	*	
Petrophile linearis	*	
		Petrophile striata *
Stirlingia latifolia	*	*
		Synaphaea petiolaris *
Xylomelon occidentale		*

Restionaceae

Hypolaena exsulca
 Loxocarya fasciculata
 Loxocarya flexuosa
 Lyginia barbata
 Restio microcodon

Anarthria prolifera

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Rhamnaceae

Trymalium ledifolium

Rubiaceae

Opercularia apiciflora
 Opercularia hispidula
 Opercularia vaginata

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 * *

Rutaceae

Eriostemon spicatus

*

Sapindaceae

Dodonea aptera

Stackhousiaceae

Stackhousia pubescens
 Tripterococcus brunonis

*
 *

Stylidiaceae

Levenhookia pusilla

*

Stylidium amoemum

Stylidium brunonianum
 Stylidium piliferum
 Stylidium schoenoides

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 * *

Thymeleaceae

Pimelea suaveolens

Pimelea sylvestris

* *

Pimelea sulphurea

Tremandraceae

Tetrateca hirsuta

*

Violaceae

Hybanthus floribundus

* *

Xanthorrhoeaceae

Xanthorrhoea gracilis
 Xanthorrhoea preissii

Xanthorrhoea acanthostachya *
 * *
 * *

Zamiaceae

Macrozamia riedlei

* *

