FIELD GUIDE TO HI VALLEE FARM

A revised photographic guide to the Kwongan bushland diversity on Don and Joy Williams’ property
Tootbardiie Road, Badgingarra, Western Australia.

Compiled by JOLANDA KEEBLE
Special assistance by DON & JOY WILLIAMS and MIKE HISLOP
2017
CONTENTS

INTRODUCTION .............................................................................................................................................. i
LOCATION .................................................................................................................................................... iii
PHYSIOGRAPHY ........................................................................................................................................... iii
NATIVE FLORA IDENTIFICATION GUIDE ................................................................................................. 1
INTRODUCED FLORA LIST .......................................................................................................................... 88
NATIVE AND INTRODUCED FAUNA LIST .................................................................................................... 91
RECORDED FUNGI AND SLIME MOULDS ON THE PROPERTY ................................................................. 95
VERTEBRATE FAUNA PHOTOS ......................................................................................................................... 97
  Birds .......................................................................................................................................................... 97
  Mammals ............................................................................................................................................... 99
  Frogs ....................................................................................................................................................... 99
  Lizards ................................................................................................................................................... 100
  Snakes .................................................................................................................................................. 101
INVERTEBRATE FAUNA PHOTOS ................................................................................................................ 102
  Spiders and scorpions ............................................................................................................................... 102
  Beetles .................................................................................................................................................... 102
  Cockroaches ......................................................................................................................................... 102
  Wasps, Bees and Sawflies ......................................................................................................................... 103
  Grasshoppers, Katydids, Mantis and Stick-insects ................................................................................... 103
  Moths and Butterflies ............................................................................................................................. 103
FUNGI, LICHENS & MOSSES PHOTOS ....................................................................................................... 105
REFERENCES ................................................................................................................................................ 107
INDEX ............................................................................................................................................................ 108
  COMMON PLANT NAMES ........................................................................................................................ 108
  SCIENTIFIC PLANT NAMES ................................................................................................................... 109
  GENUS BY FAMILY .................................................................................................................................. 114
GLOSSARY .................................................................................................................................................... 117

Don and Joy Williams
The author
**Acacia alata var. tetrantha**
Flowering period: Apr to Jul. Can flower twice a year. Flowers white / cream. Stem winged. Erect shrub to 0.8m tall.
Similar species: *A. stenoptera* and *A. applanata*. However, *A. stenoptera* and *A. applanata* have yellow flowers, not white. *A. stenoptera* flowers Mar to Dec and is prickly with narrower wings than *A. applanata*. *A. applanata* flowers Jun to Oct.

**Acacia applanata**
Flowering period: Jun to Oct. Flowers yellow, stalked. Stem winged. Shrub to 0.5m tall.
Similar species: *A. alata var. tetrantha* and *A. stenoptera*. However, *A. alata var. tetrantha* has white / cream flowers. *A. stenoptera* is more narrowly winged.

**Acacia auronitens**
Flowering period: Sept to Dec. Flowers yellow, 30-50 in globular head. Phyllodes 4- or 5-nerved, normally flat. Pods ±woody. Stipules 2–4 mm long, rigid and ±spinose (sharply or coarsely pungent). Branchlets normally densely hairy. Shrub to 0.5m tall.

**Acacia blakelyi**
Flowering period: Jul to Sept. Flowers yellow, stalked. Phyllodes 3-nerved with a gland in the middle near the base. Dense or occasionally slender shrub or tree to 3m tall.

**Acacia drummondii subsp. drummondii**
Flowering period: Jun to Oct. Flowers yellow, in spikes. Leaf pinnae flat, glaucous. Shrub to 0.6m tall.

**Acacia lasiocarpa var. bracteolata**
Flowering period: Jun to Oct. Flowers yellow, 16-50 flowered. Inflorescence arising from within leaf axils (1 pair of pinnae). Peduncles (inflorescence stem) hairy, usually 3-6mm long. Leaflets recurved. Spinescent shrub to 0.6 (-2.5)m tall.
REFERENCES

Books:
Barrow, J. 2013. How to Enjoy WA Wildflowers.
Grieve, B.J. and Balcark, W.E., 1954-1975. How to Know Western Australian Wildflowers. Parts I to IV.
Playford, P.E., Cockbain, A.E. and Low, G.H., 1976. Geology of the Perth Basin Western Australia, Geological Society of Western Australia, Bulletin 124
Young, A.J., 2006. Hakeas of Western Australia – A field and identification guide.

Electronic literature accessed between 2014 and 2017:
ABRS Flora of Australia Online (http://www.environment.gov.au/biodiversity/abrs/online-resources/flora/main/)
AROD Australian Reptile Database (http://www.arod.com.au/arod/)
Ausgrass2 Grasses of Australia. (http://ausgrass2.myspecies.info/)
Florabase Western Australian Flora Search (https://florabase.dpa.wa.gov.au/)
KeyBase Flowering Plants of Australia (http://keybase.rgb.vic.gov.au/key/project/1)
The gymnosperm database (www.conifers.org)
Wildlife Conservation (Specially Protected Fauna) Notice 2016. Minister for Environment, 6 January 2017
Wildlife Conservation (Rare Flora) Notice 2016. Minister for Environment, 6 January 2016
World Wide Wattle (http://www.worldwidewattle.com/)

Others:
WA Herbarium reference collection and specimens.
WA Department of Parks and Wildlife.
Spineless Wonders.
Wildlife Experiences Pty Ltd.