

AN ALIGNMENT of WESTERN AUSTRALIAN *DIURIS* AND *PTEROSTYLIS* NAMES

by Andrew Brown

The following pages are a comparative list of Western Australian *Diuris* and *Pterostylis* names as used in *Orchids of Western Australia* 2008, *Orchids of South – West Australia* 3ND Edition 2011 and *Field Guide to the Orchids of Western Australia* 2013. For earlier books you can refer to *A Compilation of Western Australian Orchid Names* by Noel Clarke.

The object of the exercise is to align the *Diuris* and *Pterostylis* names used in these three publications. Note: as most of the nomenclatural changes in recent times are in these genera, I have only included them here. Please also note that most, but not all, currently recognized (described and undescribed) Western Australian *Diuris* and *Pterostylis* are included. There are other taxa that may be considered worthy of recognition but have not been included at this time as we feel further research is required.

In the case of phrase names, these are added and removed as new information comes to hand and should not be thought of as finalised. Rather, these should be thought of as current thinking that may change in the future. Taxa are only formally recognized as being distinct once their names are formally published. Even then, later thinking may result in further changes.

Given that phrase names are a work in progress, some may think that we should not be promoting their use and that they should not be included in popular books. However, I think it is worthwhile throwing them out to the wider audience so that their distinctiveness can be debated. Having a large group of people looking for (and at) these taxa provides us with a great deal of information and opinion based on firsthand experience in the field, that we may not otherwise have obtained. Then, if and when the taxon is formally described, it will be done on a much more informed basis.

I hope this list sorts out some of the confusion that members have felt with the many changes. However, as I am sure you are aware, the naming plants is an evolving process and there will be further changes as new information comes to light.

Acknowledgements

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Orchids of Western Australia 2008	Orchids of South-West Australia 2011	Field Guide to the Orchids of Western Australia 2013	Notes
Diuris (donkey orchid complex)			
<i>D. amplissima</i>	<i>D. amplissima</i>	<i>D. amplissima</i>	
<i>D. brumalis</i>	<i>D. brumalis</i>	<i>D. brumalis</i>	
<i>D. conspicillata</i>	<i>D. conspicillata</i>	<i>D. conspicillata</i>	
<i>D. corymbosa</i>	<i>D. corymbosa</i>	<i>D. corymbosa</i>	
<i>D. longifolia</i>	<i>D. longifolia</i>	<i>D. longifolia</i>	
<i>D. magnifica</i>	<i>D. magnifica</i>	<i>D. magnifica</i>	
<i>D. porrifolia</i>	<i>D. porrifolia</i>	<i>D. sp.</i> 'western wheatbelt'	No longer considered to be <i>D. porrifolia</i> . See notes for <i>D. sp.</i> 'slender'
<i>D. pulchella</i>	<i>D. pulchella</i>	<i>D. pulchella</i>	
<i>D. recurva</i>	<i>Diuris recurva</i>	<i>D. recurva</i>	
<i>D. sp.</i> 'Arrowsmith'	<i>D. sp.</i> 'Arrowsmith'	<i>D. sp.</i> 'Eneabba' = <i>D. tinkeri</i>	Name changed to <i>D. sp.</i> 'Eneabba' to align with Herbarium phrase name. Formally named <i>D. tinkeri</i> in 2013
<i>D. sp.</i> 'Darling Range'	<i>D. sp.</i> 'Darling Range'	<i>D. sp.</i> 'Darling Scarp'	Name changed to <i>D. sp.</i> 'Darling Scarp' to align with Herbarium phrase name
<i>D. sp.</i> 'Dunsborough'	<i>D. sp.</i> 'Dunsborough'	<i>D. sp.</i> 'Dunsborough' = <i>D. jonesii</i>	Formally named <i>D. jonesii</i> in 2013
<i>D. sp.</i> 'Esperance coast'	<i>D. sp.</i> 'Esperance Coast'	<i>D. pulchella</i>	Now considered a form of <i>D. pulchella</i>
<i>D. sp.</i> 'northern granite'	<i>D. sp.</i> 'northern granite'	<i>D. sp.</i> 'eastern wheatbelt' = <i>D. hazeliae</i>	Name changed to <i>D. sp.</i> 'eastern wheatbelt' to align with Herbarium phrase name. Formally named <i>D. hazeliae</i> in 2013
<i>D. sp.</i> 'sandplain'	<i>D. sp.</i> 'sandplain = <i>Diuris jonesii</i>	<i>D. sp.</i> 'Yalgorup'	In the formal description of <i>Diuris jonesii</i> (AOR December 2013) the authors regarded the species listed as <i>D. sp.</i> 'sandplain' in Hoffman and Brown 2011 as being synonymous. However, this is likely due to the incorrect photo being used in the 2011 edition. Previous editions of the book have the correct photo of <i>D. sp.</i> 'sandplain' which differs from <i>D. jonesii</i> in having much smaller flowers. To confuse matters the species called <i>D. sp.</i> 'sandplain' in earlier editions of Hoffman and Brown and in Brown et al 2008 is thought to be synonymous with <i>D. sp.</i> 'Yalgorup'
<i>D. sp.</i> 'Scaddan'			Not included in later works but thought distinct. Possibly also seen at Pallarup Rocks.
<i>D. sp.</i> 'slender'	<i>D. sp.</i> 'slender'	<i>D. porrifolia</i>	Now considered to be <i>D. porrifolia</i>
<i>D. sp.</i> 'south coast'	<i>D. sp.</i> 'south coast'	<i>D. sp.</i> 'south coast'	
<i>D. sp.</i> 'Three Springs'	<i>D. sp.</i> 'Three Springs'	<i>D. sp.</i> 'mid north'	Name changed to <i>D. sp.</i> 'mid north' to align with Herbarium phrase name. The description in Hoffman and Brown 2011 matches <i>D. sp.</i> 'mid north' but the picture is likely to be <i>D. refracta</i>
<i>D. sp.</i> Tondirrup'			Not included in later works but thought distinct
<i>D. sp.</i> 'Watheroo'			Possibly a form of <i>Diuris refracta</i>
<i>D. sp.</i> 'Williams'			Not included in later works and may just be small form of <i>D. porrifolia</i>

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		<i>D. perialla</i>	Split from <i>D. brumalis</i>
		<i>D. sp.</i> 'Green Range'	
		<i>D. sp.</i> 'Kemberton'	
		<i>D. sp.</i> 'mid north'	
		<i>D. sp.</i> 'Murchison River'	
		<i>D. sp.</i> 'north western wheatbelt' = <i>D. refracta</i>	Formally named <i>D. refracta</i> in 2013
		<i>D. sp.</i> 'Perth swamps'	
		<i>D. sp.</i> 'sandplain'	Note: this is a different species to that with the same name in Hoffman and Brown 2011 and Brown et al 2008
		<i>D. sp.</i> 'Wyalkatchem'	
		<i>D. sp.</i> 'Zuytdorp Cliffs'	
Diuris (bee orchid complex)			
<i>D. carinata</i>	<i>D. carinata</i>	<i>D. carinata</i>	
<i>D. concinna</i>	<i>D. concinna</i>	<i>D. concinna</i>	
<i>D. drummondii</i>	<i>D. drummondii</i>	<i>D. drummondii</i>	See notes for <i>D. emarginata</i> . If merged the earlier name <i>emarginata</i> would take preference
<i>D. eburnea</i>	<i>D. eburnea</i>	<i>D. eburnea</i>	
<i>D. emarginata</i>	<i>D. emarginata</i>	<i>D. emarginata</i>	Apart from a shorter inflorescence and slightly smaller flowers there is little difference between <i>D. emarginata</i> and <i>D. drummondii</i>
<i>D. filifolia</i>	<i>D. filifolia</i>	<i>D. filifolia</i>	Although thought to be distinct this species has not been seen for many years
<i>D. heberlei</i>	<i>D. heberlei</i>	<i>D. heberlei</i>	
<i>D. immaculata</i>	<i>D. immaculata</i>	<i>D. immaculata</i>	
<i>D. laxiflora</i>	<i>D. laxiflora</i>	<i>D. decremента</i>	The species described as <i>D. laxiflora</i> in Hoffman & Brown 2011 and Brown et al 2008 was formally named <i>D. decremента</i> in 2013
<i>D. micrantha</i>	<i>D. micrantha</i>	<i>D. micrantha</i>	
<i>D. pauciflora</i>	<i>D. pauciflora</i>	<i>D. pauciflora</i>	
<i>D. picta</i>	<i>D. picta</i>	<i>D. picta</i>	
<i>D. setacea</i>	<i>D. setacea</i>	<i>D. setacea</i>	
<i>D. sp.</i> 'Augusta'	<i>D. sp.</i> 'Augusta'	<i>D. sp.</i> 'Augusta'	
<i>D. sp.</i> 'Brookton Highway'	<i>D. sp.</i> 'Brookton Highway'	<i>D. laxiflora</i>	Now known to be the true <i>D. laxiflora</i>
<i>D. sp.</i> 'Canning Vale'	<i>D. sp.</i> 'Canning Vale'	<i>D. laxiflora</i>	Now considered a form of <i>D. laxiflora</i>
<i>D. sp.</i> 'granite'	<i>D. sp.</i> 'granite'	<i>D. laxiflora</i>	Now considered a form of <i>D. laxiflora</i>
<i>D. sp.</i> 'Muir Highway'	<i>D. sp.</i> 'Muir Highway'	<i>D. insignis</i>	Formally named <i>D. insignis</i> in 2013
<i>D. sp.</i> 'Northampton'	<i>D. sp.</i> 'Northampton'	<i>D. segregata</i>	Formally named <i>D. segregata</i> in 2013
<i>D. sp.</i> 'northern'	<i>D. sp.</i> 'northern'	<i>D. septentrionalis</i>	Formally named <i>D. septentrionalis</i> in 2013

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Diuris (nanny goat complex)			
<i>D. laevis</i>	<i>D. laevis</i>	<i>D. laevis</i>	
<i>D. purdiei</i>	<i>D. purdiei</i>	<i>D. purdiei</i>	
Pterostylis (snail orchid complex)			
<i>P. dilatata</i>	<i>P. dilatata</i>	<i>P. dilatata</i>	
<i>P. pyramidalis</i>	<i>P. pyramidalis</i>	<i>P. pyramidalis</i>	
<i>P. sp.</i> 'bloated snail'			Not included in later books. May be a broad flowered form of <i>P. sp.</i> 'crinkled leaf'
<i>P. sp.</i> 'brittle'	<i>P. timothyi</i>	<i>P. timothyi</i>	Formally named <i>Linguella timothyi</i> in 2006 and placed in <i>Pterostylis</i> in 2010. Note: Illustration in Brown et al 2008 and picture in Hoffman and Brown 2011 is probably <i>P. sp.</i> 'small stature'
<i>P. sp.</i> 'broad petals'	<i>P. sp.</i> 'broad petals'	<i>P. sp.</i> 'broad petals'	
<i>P. sp.</i> 'clubbed'	<i>P. sp.</i> 'clubbed'	<i>P. sp.</i> 'clubbed'	
<i>P. sp.</i> 'coastal snail' = <i>P. sp.</i> 'Esperance granite' Now = <i>P. sp.</i> 'miniature'		<i>P. sp.</i> 'coastal snail'	The species illustrated in Brown <i>et al</i> 2008 as <i>P. sp.</i> 'coastal snail' is probably a form of <i>P. sp.</i> 'Esperance Granite' which is illustrated in the same publication. Note: <i>P. sp.</i> 'Esperance Granite' now = <i>P. sp.</i> 'miniature'. The species listed as <i>P. sp.</i> 'coastal snail' in Brown et al 2013 has a more bloated flower.
<i>P. sp.</i> 'Esperance Granite'		<i>P. sp.</i> 'miniature'	Name changed to <i>P. sp.</i> 'miniature' to align with Herbarium phrase name
<i>P. sp.</i> 'fawn'		<i>P. sp.</i> 'small stature'	Name changed to <i>P. sp.</i> 'small stature' to align with Herbarium phrase name
<i>P. sp.</i> 'Fitzgerald'		<i>P. sp.</i> 'Ravensthorpe'	Name changed to <i>P. sp.</i> 'Ravensthorpe' to align with Herbarium phrase name.
<i>P. sp.</i> 'giant'	<i>P. sp.</i> 'giant'	<i>P. sp.</i> 'giant'	
<i>P. sp.</i> 'hairy'	<i>P. sp.</i> 'hairy'	<i>P. sp.</i> 'inland'	Name changed to <i>P. sp.</i> 'inland' to align with Herbarium phrase name
<i>P. sp.</i> 'karri'		<i>P. sp.</i> 'karri forest'	Name changed to <i>P. sp.</i> 'karri forest' to align with Herbarium phrase name
<i>P. sp.</i> 'limestone'	<i>P. sp.</i> 'limestone' and <i>P. sp.</i> 'Helena River'	<i>P. sp.</i> 'Helena River'	<i>Pterostylis sp.</i> 'limestone' has been merged with <i>P. sp.</i> 'Helena River' based on similar morphology. However, it should be noted that populations are isolated from one another and occur in different habitat
<i>P. sp.</i> 'short sepals'	<i>P. sp.</i> 'short sepals'	<i>P. sp.</i> 'short sepals', <i>P. sp.</i> 'cauline leaves', <i>P. sp.</i> 'Chudalup', <i>P. sp.</i> 'northern thick sepals' and <i>P. sp.</i> 'coastal clubbed sepals'	<i>P. sp.</i> 'short sepals' has been split into several new taxa. The true <i>Pterostylis sp.</i> 'short sepals' occurs over a narrow geographic range between Perth and Yanchepe.
<i>P. sp.</i> 'slender'		<i>P. sp.</i> 'crinkled leaf' and <i>P. sp.</i> 'skinny'	<i>P. sp.</i> 'slender' has been split into two taxa <i>P. sp.</i> 'crinkled leaf' and <i>P. sp.</i> 'skinny'
<i>P. sp.</i> 'swamps'		<i>P. sp.</i> 'small rosette'	Name changed to <i>P. sp.</i> 'small rosette' to align with Herbarium phrase name

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<i>P. sp.</i> 'Walpole'			Not included in later books
<i>P. sp.</i> 'yellow'	<i>P. sp.</i> 'Millers Point'	<i>P. sp.</i> 'south coast clubbed sepals'	Plants illustrated in Brown et al 2008 and Hoffman and Brown 2011 are now considered synonymous with <i>P. sp.</i> 'south coast clubbed sepals'
		<i>P. sp.</i> 'Cape Arid'	
		<i>P. sp.</i> 'Cape Le Grand'	
		<i>P. sp.</i> 'elegant snail orchid'	
		<i>P. sp.</i> 'fine sepals'	
		<i>P. sp.</i> 'granite'	
		<i>P. sp.</i> 'hairy leaf'	
		<i>P. sp.</i> 'late flowering'	
		<i>P. sp.</i> 'long sepals'	
		<i>P. sp.</i> 'red flowered'	
		<i>P. sp.</i> 'robust'	
		<i>P. sp.</i> 'south coast clubbed sepals'	
		<i>P. sp.</i> 'southern granites'	
<i>Pterostylis</i> (bird orchid complex)			
<i>P. barbata</i>	<i>P. barbata</i>	<i>P. barbata</i>	
<i>P. turfosa</i>	<i>P. turfosa</i>	<i>P. turfosa</i>	
<i>P. sp.</i> 'bloated'	<i>P. sp.</i> 'bloated'	<i>P. sp.</i> 'bloated'	
<i>P. sp.</i> 'Boyup'	<i>P. sp.</i> 'Boyup'	<i>P. sp.</i> 'Boyup'	
<i>P. sp.</i> 'dwarf'	<i>P. sp.</i> 'dwarf'	<i>P. sp.</i> 'dwarf'	
<i>P. sp.</i> 'Esperence'	<i>P. sp.</i> 'Esperence'	<i>P. sp.</i> 'Esperence'	
<i>P. sp.</i> 'late'	<i>P. sp.</i> 'late'	<i>P. sp.</i> 'The Knoll'	Name changed to <i>P. sp.</i> 'The Knoll' to align with Herbarium phrase name
<i>P. sp.</i> 'long beak'	<i>P. sp.</i> 'long beak'	<i>P. sp.</i> 'Gull Rock'	Name changed to <i>P. sp.</i> 'Gull Rock' to align with Herbarium phrase name
<i>P. sp.</i> 'plumed'	<i>P. sp.</i> 'plumed'	<i>P. sp.</i> 'plumed'	
		<i>P. sp.</i> 'granite bird'	
		<i>P. sp.</i> 'Greenbushes'	
		<i>P. sp.</i> 'Mehinup'	
		<i>P. sp.</i> 'Muir's Highway'	
		<i>P. sp.</i> 'sparse'	
<i>Pterostylis</i> (rufus greenhood complex)			
<i>P. ciliata</i>	<i>P. ciliata</i>	<i>P. ciliata</i>	
<i>P. frenchii</i>	<i>P. frenchii</i>	<i>P. frenchii</i>	
<i>P. insectifera</i>	<i>P. insectifera</i>	<i>P. insectifera</i>	

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<i>P. leptochila</i>	<i>P. leptochila</i>	<i>P. leptochila</i>	
<i>P. macrocalymma</i>	<i>P. macrocalymma</i>	<i>P. macrocalymma</i>	
<i>P. picta</i>	<i>P. picta</i>	<i>P. picta</i>	
<i>P. roensis</i>	<i>P. roensis</i>	<i>P. roensis</i>	
<i>P. spathulata</i>	<i>P. spathulata</i>	<i>P. spathulata</i>	
<i>P. platypus</i> ms	<i>P. platypus</i> ms	<i>P. sp.</i> 'Ongerup'	Name changed to <i>P. sp.</i> 'Ongerup' to align with Herbarium phrase name
<i>P. sp.</i> 'Eyre'			Not included in later works. Likely to be a form of <i>P. sp.</i> 'dainty brown'
<i>P. sp.</i> 'Arrowsmith'	<i>P. sp.</i> 'Arrowsmith'	<i>P. sp.</i> 'exserted labellum'	Name changed to <i>P. sp.</i> 'exserted labellum' to align with Herbarium phrase name
<i>P. sp.</i> 'chocolate'			Not included in later works but thought distinct
<i>P. sp.</i> 'dainty brown'	<i>P. sp.</i> 'dainty brown'	<i>P. sp.</i> 'dainty brown'	Dainty brown and dainty green may be colour forms of the same taxon
<i>P. sp.</i> 'dainty green'		<i>P. sp.</i> 'dainty green'	See note above
<i>P. sp.</i> 'eastern'			Not included in later works. Likely to be a form of <i>P. sp.</i> 'dainty brown'
<i>P. sp.</i> 'elegant'	<i>P. sp.</i> 'elegant'	<i>P. sp.</i> 'elegant'	
<i>P. sp.</i> 'greasy'	<i>P. sp.</i> 'greasy'	<i>P. sp.</i> 'greasy'	
<i>P. sp.</i> 'green flowers'	<i>P. sp.</i> 'green flowers'	<i>P. sp.</i> 'green flowers'	
<i>P. sp.</i> 'large fawn'		<i>P. sp.</i> 'large fawn'	
<i>P. sp.</i> 'Murchison'		<i>P. sp.</i> 'Murchison'	
<i>P. sp.</i> 'northwest'	<i>P. sp.</i> 'northwest'		Likely to be a form of <i>P. sp.</i> 'dainty brown'
<i>P. sp.</i> 'Paynes Find'		<i>P. sp.</i> 'Paynes Find'	
<i>P. sp.</i> 'slender rufa'	<i>P. sp.</i> 'slender rufa'	<i>P. sp.</i> 'slender rufa'	
<i>P. sp.</i> 'straight tops'		<i>P. sp.</i> 'straight tops'	
<i>P. sp.</i> 'striped'	<i>P. sp.</i> 'striped'	<i>P. sp.</i> 'striped'	
<i>Pterostylis</i> (banded greenhood complex)			
<i>P. concava</i>	<i>P. concava</i>	<i>P. concava</i>	
<i>P. sanguinea</i>	<i>P. sanguinea</i>	<i>P. sanguinea</i>	
	<i>P. aff. sanguinea</i>	<i>P. sp.</i> 'Eyre'	Name changed to <i>P. sp.</i> 'Eyre' to align with Herbarium phrase name
<i>P. sargentii</i>	<i>P. sargentii</i>	<i>P. sargentii</i>	
<i>P. vittata</i>	<i>P. vittata</i>	<i>P. vittata</i>	
<i>P. sp.</i> 'coastal'	<i>P. sp.</i> 'coastal'	<i>P. sp.</i> 'coastal'	
<i>P. sp.</i> 'crowded'	<i>P. sp.</i> 'crowded'	<i>P. sp.</i> 'crowded'	
<i>P. sp.</i> 'Dongara'	<i>P. sp.</i> 'Dongara'	<i>P. sp.</i> 'northern'	Name changed to <i>P. sp.</i> 'northern' to align with Herbarium phrase name.
<i>P. sp.</i> 'grey bands'	<i>P. sp.</i> 'grey bands'		No longer considered distinct from <i>Pterostylis vittata</i>

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<i>P. sp. 'northern'</i>	<i>P. sp. 'northern'</i>	<i>P. sp. 'small bands'</i>	Name changed to <i>P. sp. 'small bands'</i> to align with Herbarium phrase name.
<i>Pterostylis</i> (shell orchid complex)			
<i>P. allantoidea</i>	<i>P. allantoidea</i>	<i>P. allantoidea</i>	
<i>P. angusta</i>	<i>P. angusta</i>	<i>P. angusta</i>	
<i>P. aspera</i>	<i>P. aspera</i>	<i>P. aspera</i>	
<i>P. hamiltonii</i>	<i>P. hamiltonii</i>	<i>P. hamiltonii</i>	
<i>P. rogersii</i>	<i>P. rogersii</i>	<i>P. rogersii</i>	
<i>P. scabra</i>	<i>P. scabra</i>	<i>P. scabra</i>	
<i>P. sp. 'dwarf shell'</i>	<i>P. sp. 'dwarf shell'</i>	<i>P. brevichila</i>	Formally named <i>P. brevichila</i> in 2012
<i>P. sp. 'Kalbarri'</i>	<i>P. sp. 'Kalbarri'</i>	<i>P. microglossa</i>	Formally named <i>P. microglossa</i> in 2012
<i>P. sp. 'robust'</i>			No longer considered distinct from <i>Pterostylis hamiltonii</i>
<i>Pterostylis</i> (others)			
<i>P. mutica</i>	<i>P. mutica</i>	<i>P. mutica</i>	
<i>P. recurva</i>	<i>P. recurva</i>	<i>P. recurva</i>	
<i>P. sp. "Northampton"</i>	<i>P. sinuata</i>	<i>P. sinuata</i>	Formally named <i>P. sinuata</i> in 2010