

Key to the south-west Western Australian species of *Caladenia*

1. Labellum hirsute above, insectiform; lamina lacking capitate calli 2
2. Labellum >11 mm long..... 3
3. Horns on labellum claw medially located, reclined and well removed from the glandular callus; lamina narrowly elliptic, 9–14 × 3–7 mm **C. mesocera**
- 3: Horns on labellum claw distally located, curving forward either side of the glandular callus; lamina ovate, 7–11 × 5–7 mm **C. barbarossa**
- 2: Labellum <9 mm long 4
4. Labellum claw loosely hinged, the claw connection >3 mm long; lamina held below the top of the ovary **C. drakeoides**
- 4: Labellum claw stiffly hinged, the claw connection <2 mm long; lamina held above the top of the ovary **C. barbarella**
- 1: Labellum glabrous above, not insectiform; lamina with capitate calli 5
5. Labellum margins entire or with marginal calli <1 mm long..... 6
6. Labellum entire, or rarely with a few minute marginal calli..... 7
7. Lateral sepals with swollen apical osmophores 8
8. Lateral sepals obliquely descending then prominently falcate 9
9. Lateral lobes of labellum obtuse; calli stopping well short of the dark purple apex. West of Ongerup **C. integra**
- 9: Lateral lobes of labellum shortly acute; lamina calli extending to the dark purple apex. East of Esperance **C. exstans**
- 8: Lateral sepals spreading horizontally then obliquely descending or rarely scarcely falcate 10
10. Petals obliquely ascending to erect, with swollen apical osmophores 11
11. Labellum lamina calli in 2 longitudinal rows **C. sigmoidea**
- 11: Labellum lamina calli aggregated into a single longitudinal row **C. macrostylis**
- 10: Petals spreading horizontally or obliquely descending, lacking swollen apical osmophores..... 12
12. Labellum with prominent red stripes; lamina calli in 2 distinct longitudinal rows **C. wanosa**
- 12: Labellum with faint red stripes; lamina calli in a single longitudinal row 13
13. Dorsal sepal often with a swollen apical osmophore; lateral sepals with swollen apical osmophores >3 mm long **C. incrassata**
- 13: Dorsal sepal lacking a swollen apical osmophore; lateral sepals with slender apical osmophores <3 mm long 14
14. Labellum 14–20 mm wide, lacking dull red stripes; lamina calli thickened, conspicuously glossy on top **C. roei**
- 14: Labellum 12–16 mm wide, with dull red stripes; lamina calli slender, dull on top 15
15. Lateral sepals abbreviated, lacking or rarely with narrow filiform sections <3 mm long basal to the apical osmophores; labellum lamina calli in a broad longitudinal row c. 2 mm wide. Ravensthorpe

to Israelite Bay	C. brevisura
15: Lateral sepals elongated with narrow filiform sections >6 mm long basal to the apical osmophores; labellum lamina calli in a narrow longitudinal row c. 1 mm wide. West of Ravensthorpe	C. doutchiaie
7: Lateral sepals lacking swollen apical osmophores	16
16: Petals and sepals white, the lateral sepals usually prominently crossed	C. dorrienii
16: Petals and sepals red, yellow or green, the lateral sepals rarely crossed and, if so, never prominently	17
17: Lateral sepals obliquely descending then prominently falcate; labellum claw >2 mm long; lamina tremulous	C. multiclavia
17: Lateral sepals spreading horizontally, obliquely descending or hanging vertically, never falcate; labellum claw <1 mm long; lamina firmly held	18
18: Lateral sepals >3 cm long; dorsal sepal arching backwards	C. radialis
18: Lateral sepals <2.5 cm long; dorsal sepal erect	19
19: Labellum apex with a thickened red callus	20
20: Labellum <8 mm wide, faintly striped	C. pachychila
20: Labellum >9 mm wide, prominently striped	C. cairnsiana
19: Labellum apex lacking a thickened red callus.....	21
21: Labellum <6 mm wide, green or apricot, lacking pink or red stripes	C. bryceana
21: Labellum >9 mm wide, cream or brown with faint pink or red stripes.....	22
22: Labellum transversely oval; lamina calli up to 1.5 mm tall, wedge-shaped with pink or red apices. Hyden to Balladonia	C. voigtii
22: Labellum heart-shaped; lamina calli up to 2 mm tall, capitate with blackish-purple apices. Wongan Hills to Watheroo	C. cristata
6: Labellum with several to many (rarely few) marginal calli	23
23: Labellum lamina calli aggregated into a single longitudinal row.....	24
24: Petals and sepals with swollen apical osmophores.....	C. ensata
24: Petals and sepals with tapering filiform apices, lacking swollen apical osmophores	C. radialis
23: Labellum lamina calli in 2 or more longitudinal rows	25
25: Labellum lamina calli in 4 or more longitudinal rows.....	26
26: Labellum apex dark red. Flowering late April–early July.....	C. drummondii
26: Labellum apex white or pink. Flowering mid-July–November.....	27
27: Lateral sepals <3 cm long, spreading horizontally or arching outwards and downwards; labellum <8 mm wide	C. hirta
27: Lateral sepals >3 cm long, obliquely descending, becoming pendulous; labellum >8 mm wide	C. hopperiana
25: Labellum lamina calli in 2 longitudinal rows	28
28: Dorsal sepal arching backwards away from column.....	C. radialis
28: Dorsal sepal erect, appressed to column	29
29: Lateral sepals <4 cm long.....	30
30: Petals and sepals obtuse or very shortly acute, the apices scarcely hirsute	31

31. Petals and sepals cream	C. marginata
31: Petals and sepals pink	32
32. Lateral sepals united in the basal 1/2	C. nana
32: Lateral sepals free in the basal 1/2	C. reptans
30: Petals and sepals long-acuminate and finely acute, the apices prominently hirsute	33
33. Labellum entire or with few marginal calli.....	34
34. Flowers pale yellowish cream to white; lateral sepals usually crossed; labellum with few pale red stripes and markings	C. dorrienii
34: Flowers golden-yellow; lateral sepals usually held apart; labellum with numerous dark red or rich brown stripes and markings	C. caesarea
33: Labellum serrate to dentate with numerous marginal calli	35
35. Petals and sepals predominantly pinkish red to red	C. footeana
35: Petals and sepals predominantly white, cream or yellow	36
36. Petals and sepals creamy yellow to yellow.....	37
37. Labellum creamy yellow with faint red stripes. Flowering July–early September. Woodlands between Mogumber and Kendenup.....	C. xantha
37: Labellum white with prominent red stripes. Flowering October–early December. Coastal heath between Yallingup and William Bay.....	C. abbreviata
36: Petals and sepals white to cream	38
38. Hairs on petal and sepal apices hemispherical to shortly cylindrical. Salt lake margins in the central wheatbelt.....	C. melanema
38: Hairs on petal and sepal apices elongate-cylindrical. Calcareous soils in coastal areas	39
39. Leaf >1/2 the length of scape; labellum <9 mm long, the apex prominently recurved.....	C. bicalliata
39: Leaf <1/2 the length of scape; labellum >10 mm long, the apex projecting forwards or scarcely recurved.....	C. evanescens
29: Lateral sepals >4 cm long.....	40
40. Labellum wholly dark red, rarely with cream near base, lacking pale red, pink or brown stripes and markings	41
41. Sepals 5–10 cm long; labellum >10 mm long	C. filifera
41: Sepals 4–6.5 cm long; labellum <10 mm long	42
42. Flowers variably red or deep pink, rarely yellow or white; lateral sepals >5 cm long; labellum >7 mm long	C. dundasiae
42: Flowers dark red, never deep pink, yellow or white; lateral sepals <5 cm long; labellum <6 mm long	C. erythrochila
40: Labellum predominantly cream or yellow with pale red, pink or brown stripes and markings.....	43
43. Labellum with entire margins in the basal 2/5; lamina narrowly rhomboidal when flattened; hairs on petal and sepal apices <0.2 mm long, inconspicuous to the naked eye.....	C. denticulata
43: Labellum with entire margins in the basal 1/3; lamina rhomboidal (rarely narrowly); hairs on petal and sepal apices >0.2 mm long, conspicuous to the naked eye	44

44. Flowering June–early (rarely mid) August	45
45. Leaf up to 12 mm wide, usually >1/2 the length of the scape. Coastal areas between Windy Harbour and Walpole	C. meridionalis
45: Leaf up to 4 mm wide, usually <1/2 the length of the scape. Inland areas between Tenterden and Mullewa.....	46
46. Flowers variably white to pinkish-red; lateral sepals 6–9 cm long. Mallee woodlands and shrublands, often around the margins of salt lakes	C. exilis
46: Flowers uniformly white; lateral sepals 4–6.5 cm long. Forests and woodlands, never around the margins of salt lakes	C. hiemalis
44: Flowering mid (rarely early) August–December	47
47. Flowering mid October–December	48
48. Petals and sepals cream; lateral sepals <5.5 cm long, arching outwards and downwards, becoming pendulous. Flowering mid October–early November. West of York and Brookton.....	C. postea
48: Petals and sepals pale lemon-yellow, more rarely cream; lateral sepals >6 cm long, obliquely descending, never pendulous. Flowering mid November–early December. West of Mt Barker to the Stirling Ranges.....	C. ultima
47: Flowering mid (rarely early) August–early October.....	49
49. Leaf 4–10 mm wide, laterally flattened, rarely somewhat revolute; petals and lateral sepals spreading horizontally to obliquely descending, rarely pendulous	50
50. Labellum lamina calli dull on top. Boxwood Hills to Israelite Bay and northwards to Balladonia	C. horistes
50: Labellum lamina calli glossy on top. Hyden to Nerren Nerren Station and eastwards to Coolgardie	51
51. Flowers bright white; labellum >10 mm wide. Predominantly associated with granite outcrops	C. incensa
51: Flowers dull white to pale yellow; labellum <10 mm wide. Predominantly associated with banded ironstone formations.....	52
52. Petals and lateral sepals obliquely descending, sometimes pendulous; labellum 8–10 mm wide; lamina calli usually creamy yellow. Perenjori to near Paynes Find	C. petrensis
52: Petals and lateral sepals spreading horizontally to obliquely descending, never pendulous; labellum 6–9 mm wide; lamina calli usually creamy white. Diemals Station to Southern Cross	C. saxicola
49: Leaf 2–5 mm wide, laterally somewhat revolute, rarely flattened; petals and lateral sepals obliquely descending becoming pendulous	53
53. Labellum >12 mm wide	54
54. Flowers red or yellow, rarely cream with dark red stripes and markings; labellum lamina with dark red stripes	C. chapmanii
54: Flowers cream with pale red stripes and markings; labellum lamina with pale red stripes	C. nobilis
53: Labellum <12 mm wide	55
55. Labellum <5 mm wide	56
56. Flowers predominantly white; sepals >3 mm wide. Woodlands and shrublands between Kondinin and Madura	C. microchila

56: Flowers variably creamy yellow, pale yellow or red; sepals <2 mm wide. Forests between Collie and Frankland	C. perangusta
55: Labellum >5 mm wide	57
57. Gaps between the labellum marginal calli greater than width of calli	58
58. Labellum with dark red or brown stripes, the apex projecting forwards or scarcely recurved	C. caesarea
58: Labellum with pale red or brown stripes, the apex prominently recurved	C. luteola
57: Gaps between the labellum marginal calli smaller or equal to width of calli	59
59. Labellum pale yellow to golden-yellow with red stripes and suffusions; lamina calli pale yellow to pure white, usually lacking pink markings on apices	60
60. Petals and lateral sepals arching outwards, becoming pendulous; sepals <6 cm long. Forests and woodlands between Mogumber and Kendenup.....	C. xantha
60: Petals and lateral sepals spreading horizontally to obliquely descending, never pendulous; sepals >6 cm long. Shrublands and mallee heath between Northampton and Mullewa	C. pluvialis
59: Labellum cream with red stripes and suffusions; lamina calli cream, usually with pink markings on apices.....	61
61. Petals and sepals white or more rarely pale yellow; labellum lamina calli slender, erect, white or cream, usually with pink suffusions on apices	62
62. Labellum <7 mm wide	63
63. Labellum rhomboidal in outline. Often grows on the margins of salt lakes	C. exilis
63: Labellum linear-rhomboidal to narrowly triangular in outline when flattened. Never grows on the margins of salt lakes	64
64. Labellum lamina calli in 2 double longitudinal rows. North-west of Northampton	C. bigeminata
64: Labellum lamina calli in 2 single longitudinal rows. South and south-east of Northampton	65
65 Lateral sepals >3 mm wide; labellum >6 mm wide	C. pluvialis
65: Lateral sepals <3 mm wide; labellum <6 mm wide	66
66. Flowers creamy white, more rarely pale yellow. Lateritic hills between Wubin and Norseman	C. paradoxa
66: Flowers pale yellow, more rarely creamy white. Woodlands and forests between Collie and Rocky Gully	C. validinervia
62: Labellum >7 mm wide	67
67. Leaf >5 mm wide. Inland areas between Perenjori and Bonnie Rock	C. remota
67: Leaf <5 mm wide. Western wheatbelt to near coast.....	68
68. Petals and sepals >8 cm long, usually pendulous	C. pendens
68: Petals and sepals <8 cm long, rarely pendulous.....	69
69. Labellum >8 mm wide. Well drained sandy soils	C. vulgata
69: Labellum <8 mm wide. Seasonally wet sandy-clay soils	C. fluvialis
61: Petals and sepals variably dark red, pink, brownish yellow, yellow or cream; labellum lamina calli either squat and flattened or slender and erect, rarely with pink suffusions on apices	70

70. Labellum >11 mm wide	71
71. Flowers pale yellow, lacking prominent red markings; labellum lamina calli glossy on top, broadly anvil-shaped. Flowering August–early October	C. straminichila
71: Flowers variably dark red, pink or cream with prominent red markings; labellum lamina calli dull on top, narrowly anvil-shaped. Flowering mid-September–late October	C. polychroma
70: Labellum <11 mm wide	72
72. Petals and sepals pale to bright lemon yellow. Northampton to Nerren Nerren Station	C. elegans
72: Petals and sepals cream, white, pale yellow, brownish yellow or red. South and south-east of Geraldton	74
73. Flowers pale brownish yellow. Green Range area east of Manypeaks	C. fuscolutescens
73: Flowers dark red, pink, pale yellow or cream. North, north-west and north-east of Green Range area.....	74
74. Labellum <9 mm wide	75
75. Petals and lateral sepals pendulous	76
76. Labellum lamina calli dull on top, broadly anvil-shaped	C. pulchra
76: Labellum lamina calli glossy on top, narrowly anvil-shaped	C. erythronema
75: Petals and lateral sepals spreading horizontally to obliquely descending, rarely pendulous	77
77. Labellum with faint pinkish red to red stripes and markings. Bunbury to Arrowsmith	C. occidentalis
77: Labellum with prominent red stripes and markings. Western wheatbelt to Goldfields	78
78. Petals and lateral sepals 4–6 cm long, obliquely descending, never pendulous. Paynes Find to Norseman	C. dimidia
78: Petals and lateral sepals 5–9 cm long, prominently down-curved, often pendulous. Nyabing to Mukinbudin	C. erythronema
74: Labellum >9 mm wide	79
79. Flowers white to cream; petals and lateral sepals prominently down-curved, becoming pendulous	C. pendens
79: Flowers pale yellow; petals and lateral sepals obliquely descending, never pendulous.....	C. straminichila
5: Labellum margins fimbriate with marginal calli >1 mm long	80
80. Sepals short, lacking swollen apical osmophores and not prominently hirsute or finely acute	81
81. Labellum ovate with numerous filiform marginal calli	C. discoidea
81: Labellum trilobed with few thickened marginal calli	82
82. Flowers yellow, rarely white, usually with prominent red markings	C. flava
82: Flowers pink, rarely white, lacking red markings	C. latifolia

80: Sepals long with swollen apical osmophores or prominently hirsute and finely acute	83
83. Sepals with swollen apical osmophores covered in hemispherical glands	84
84. Lateral sepals spreading horizontally or obliquely descending at first, then prominently falcate	85
85. Labellum with filiform, horizontally spreading marginal calli	C. lobata
85: Labellum with slightly thickened, erect marginal calli	86
86. Labellum broader than long, white adjacent to the dark red apex; marginal calli to 10 mm long	C. longifimbriata
86: Labellum longer than broad, green adjacent to the dark red apex; marginal calli to 8 mm long	87
87. Labellum lamina calli stopping short of the dark red apex; marginal calli to 8 mm long	C. falcata
87: Labellum lamina calli reaching and sometimes extending onto the dark red apex; marginal calli to 5 mm long	C. attingens
84: Lateral sepals spreading horizontally or obliquely descending for entire length, never prominently falcate	88
88. Petals usually with swollen apical osmophores covered in hemispherical glands, rarely with a long-acuminate apex not covered in hemispherical glands.....	89
89. Labellum >11 mm wide	90
90. Labellum lamina calli aggregated into a single longitudinal row	C. longiclavata
90: Labellum lamina calli in 4 or more distinct longitudinal rows	91
91. Petals obliquely descending, then often pendulous	C. heberleana
91: Petals obliquely ascending, more rarely obliquely descending, never pendulous	92
92. Flowering mid October–December. Southern forests between Dunsborough and Albany.....	93
93. Flowers predominantly white; apical osmophores on petals and sepals scarcely swollen; labellum apex cream	C. lodgeana
93: Flowers predominantly red or green; apical osmophores on petals and sepals prominently swollen; labellum apex dark red	C. brownii
92: Flowering August–early October. Swan Coastal Plain between Lancelin and Yarloop, or southern heathlands from Fitzgerald River National Park to east of Esperance	94
94. Petals obliquely ascending; apical osmophores on sepals light yellowish brown, noticeably swollen, usually >1 mm in diameter. Southern heathlands from Fitzgerald River National Park to east of Esperance.....	C. decora
94: Petals spreading horizontally to somewhat down-curved, never obliquely ascending; apical osmophores on sepals light brown, scarcely swollen, usually <1 mm diameter. Swan Coastal Plain between Lancelin and Yarloop	C. arenicola
89: Labellum <11 mm wide	95
95. Longest labellum marginal calli >7 mm long. Flowering late November–January.....	C. corynephora
95: Longest labellum marginal calli <6 mm long. Flowering August–October	96

96. Petals erect; labellum lamina calli arranged in 2 pairs of longitudinal rows with a distinct gap between them **C. arrecta**
- 96: Petals spreading horizontally to obliquely descending; labellum lamina calli arranged in closely adjacent longitudinal rows, lacking a distinct gap between them **97**
97. Labellum apex projecting outwards or scarcely recurved; base of lamina white. Heathlands north of Geraldton and granite outcrops east of Corrigin..... **98**
98. Labellum <14 mm long; lamina calli to 1.5 mm tall; column <13 mm tall. Breakaways and hills between Geraldton and the Murchison River **C. hoffmanii**
- 98: Labellum >15 mm long; lamina calli to 3 mm tall; column >14 mm tall. Granite outcrops between Karlgarin and Dragon Rocks **C. graniticola**
- 97: Labellum apex prominently recurved; base of lamina creamy yellow to greenish yellow. Forests and adjacent wheatbelt from near Perth southwards **99**
99. Labellum marginal calli <2 mm long **C. ensata**
- 99: Labellum marginal calli >2 mm long **100**
100. Petals and lateral sepals obliquely descending, never pendulous; apical osmophores on petals and sepals about 1/3 the length of the lamina **C. longiclavata**
- 100: Petals and lateral sepals steeply descending, becoming pendulous; apical osmophores on petals and sepals about 1/2 the length of the lamina **C. magniclavata**
- 88: Petals with a long-acuminate apex lacking swollen apical osmophores, not covered in hemispherical glands..... **101**
101. Labellum apex pale, the same colour as the basal portion of the lamina **102**
102. Lateral sepals >5.5 cm long, usually cream and often with pale pink suffusions..... **C. interjacens**
- 102: Lateral sepals <5.5 cm long, usually pale yellow, more rarely cream with pale pink suffusions **103**
103. Lateral sepals >4 cm long. Margaret River to Yallingup **C. busselliana**
- 103: Lateral sepals <4 cm long. Collie area **C. leucochila**
- 101: Labellum apex dark red or dark pink, contrasting with the pale basal portion of the lamina **104**
104. Labellum lamina calli aggregated into a single broad longitudinal row of often closely packed calli or 2–5 longitudinal rows lacking distinct gaps between the rows..... **105**
105. Lateral sepals <2.5 cm long; labellum <8 mm long × <6 mm wide..... **106**
106. Labellum marginal calli splayed downwards **C. plicata**
- 106: Labellum marginal calli splayed upwards **C. williamsiae**
- 105: Lateral sepals >2.5 cm long; labellum >14 mm long × >6 mm wide..... **107**
107. Longest labellum marginal calli <3 mm long. Busselton to Augusta **C. rhomboidiformis**
- 107: Longest labellum marginal calli >4 mm long. North of Perth and east of Nannup **108**
108. Labellum lamina calli in a dense longitudinal row >4 mm wide. Jurien Bay to Dongara **C. crebra**
- 108: Labellum lamina calli in an open longitudinal row <3 mm wide.

Yarloop to Israelite Bay	109
109. Labellum apex projecting forwards or scarcely recurved; lamina calli in 2 longitudinal rows	C. graminifolia
109: Labellum apex prominently recurved; lamina calli in 3–5 longitudinal rows	110
110. Labellum scarcely trilobed, longer than broad, yellowish green adjacent to the dark red apex. Yarloop to Albany	C. radiata
110: Labellum prominently trilobed, broader than long, white adjacent to the dark red apex. Jerramungup to Esperance	C. longifimbriata
104: Labellum lamina calli in 4 or more longitudinal rows with distinct gaps between the rows	111
111. Petals and sepals pale to dark pink or rarely reddish pink	112
112. Petals and sepals reddish pink; apical osmophores light brown, usually about 1 mm diameter	C. applanata
112: Petals and sepals pale to dark pink or rarely pale red; apical osmophores greyish pink, usually <1 mm diameter	113
113. Petals and sepals usually deep pink; column <16 mm tall; the basal labellum lamina pale to deep pink. Tone River area	C. winfieldii
113: Petals and sepals usually pale pink or pale red; column >16 mm tall; the basal labellum lamina white to pale pink. Yallingup to east of Porongurups	114
114. Lateral sepals obliquely descending, never pendulous; apical osmophores >20 mm long; petals 3–3.5 cm long. Well drained sands in near coastal areas between Yallingup and William Bay	C. gardneri
114: Lateral sepals obliquely descending to down-curved, sometimes pendulous; apical osmophores >30 mm long; petals 3–5.5 cm long. Winter wet clay loams between Lake Muir and the Porongurups	C. startiorum
111: Petals and sepals white, greenish yellow, brownish red or yellowish cream with red suffusions or more rarely completely red	115
115. Labellum lamina calli not extending onto the red apex	116
116. Lateral sepals brownish red; labellum apex prominently recurved, marginal calli usually >5 mm long	C. ferruginea
116: Lateral sepals greenish yellow; labellum apex scarcely recurved, marginal calli usually <5 mm long	117
117. Lateral sepals >4.5 cm long; labellum greenish yellow with a red apex. Dunsborough to Northcliffe	C. infundibularis
117: Lateral sepals <4 cm long; labellum white with a pinkish apex. Albany to Cheyne Beach	C. granitora
115: Labellum lamina calli extending onto the red apex	118
118. Labellum marginal calli thickened, stout, usually <5 mm long	119
119. Petals and sepals white, rarely suffused pink; labellum marginal calli usually <2 mm long	C. nivalis
119: Petals and sepals greenish yellow with red-brown markings; labellum marginal calli usually >2 mm long	120
120. Petals and sepals usually with prominent red markings; labellum lamina flattened in cross section near the base. Near-coastal calcareous soils	121

121. Flowers >6 cm across; labellum marginal calli splayed horizontally outwards. Flowering September–mid October **C. applanata**
- 121: Flowers <6 cm across; labellum marginal calli upswept. Flowering late October–November **C. ambusta**
- 120: Petals and sepals usually with inconspicuous brownish-red markings; labellum lamina crescentic in cross section near the base. Inland acidic soils **122**
122. Dorsal sepal 4–6 cm long; labellum broadly pear-shaped; lamina 17–25 × 8–16 mm. Winter-wet clay loams between Gingin and Gracetown **C. paludosa**
- 122: Dorsal sepal 3–4.5 cm long; labellum narrowly pear-shaped; lamina 15–20 × 7–12 mm. Well drained gravelly sands near Cape Naturaliste **C. viridescens**
- 118: Labellum marginal calli slender, filiform, usually >5 mm long..... **123**
123. Labellum apex noticeably channelled; marginal calli 4–15 mm long, sometimes bifurcate **C. huegelii**
- 123: Labellum apex not noticeably channelled; marginal calli 2–12 mm long, never bifurcate **124**
124. Lateral sepals with slightly swollen apical osmophores **125**
125. Flowers predominantly greenish cream or yellowish green with red suffusions; labellum marginal calli 2–12 mm long. Near-coastal areas on yellow Karrakatta sands **C. georgei**
- 125: Flowers predominantly red with yellowish green suffusions: labellum marginal calli 2–8 mm long. Inland areas on grey Bassendean sands **C. arenicola**
- 124: Lateral sepals with prominently swollen apical osmophores **126**
126. Lateral sepals <5 cm long..... **127**
127. Lateral sepals >3 cm long. Deep sand in near-coastal areas between Cape Naturaliste and the Warren River..... **C. thinicola**
- 127: Lateral sepals <2 cm long. Lateritic ridges near Brookton..... **C. williamsiae**
- 126: Lateral sepals >5 cm long..... **128**
128. Scape 35–70 cm tall; petals and sepals greenish yellow, lacking red suffusions (never red, reddish pink or reddish yellow); petals lacking swollen apical osmophores. South-west of Donnybrook **C. procera**
- 128: Scape 25–50 cm tall; petals and sepals red, reddish pink, reddish yellow, or greenish yellow with red suffusions; petals sometimes with swollen apical osmophores. Cataby to Boyup Brook and east of Ongerup **129**
129. Petals and sepals usually red or reddish pink; petals often with swollen apical osmophores. Fitzgerald River National Park to Cape Arid National Park **C. decora**
- 129: Petals and sepals usually yellow or yellowish green with red suffusions; petals lacking swollen apical osmophores. Fitzgerald River National Park to Boyup Brook and north to Cataby **C. pectinata**
- 83: Sepals lacking swollen apical osmophores that are covered in cylindrical hairs **130**
130. Labellum apex dark red or dark pink, contrasting with the pale basal portion of the lamina..... **131**

131. Petals and sepals uniformly pink; labellum apex pink **C. harringtoniae**
- 131: Petals and sepals white, cream or greenish yellow with red markings;
labellum apex dark red 132
132. Sepals <3.5 cm long; labellum apex projecting forward or scarcely recurved 133
133. Labellum <14 mm long; lamina calli 1–1.5 mm tall; column <13 mm tall.
Breakaways and hills between Geraldton and the Murchison River **C. hoffmanii**
- 133: Labellum >15 mm long; lamina calli 1–3 mm tall; column >14 mm tall.
Granite outcrops between Karlgarin and Dragon Rocks **C. graniticola**
- 132: Sepals >5 cm long; labellum apex prominently recurved..... 134
134. Labellum 8–11 mm wide with marginal calli <4 mm long **C. uliginosa**
- 134: Labellum 10–17 mm wide with marginal calli >5 mm long 135
135. Lateral sepals >13 cm long; labellum 25–35 mm long.
Dunsborough to Karridale **C. excelsa**
- 135: Lateral sepals <10 cm long; labellum 17–27 mm long. Gingin to Leeman,
and Capel area..... **C. lorea**
- 130: Labellum apex pale, the same colour as the basal portion of the lamina..... 136
136. Flowers pale lemon yellow to pale green or greenish yellow, lacking red or
pinkish markings 137
137. Lateral sepals spreading horizontally, >5 mm wide near base; labellum
10–14 mm wide **C. citrina**
- 137: Lateral sepals down-curved to pendulous, <5 mm wide near base; labellum
7–11 mm wide 138
138. Flowers pale lemon yellow. Flowering late November–January..... **C. pholcoidea**
- 138: Flowers pale yellow or greenish yellow. Flowering September–mid October.... **C. swartsiorum**
- 136: Flowers creamy white, usually with red or pinkish markings 139
139. Flowers white with faint pink markings; labellum marginal calli
often bifurcating..... **C. speciosa**
- 139: Flowers white with prominent red markings; labellum marginal calli
rarely bifurcating..... 140
140. Flowers often with prominent red or pinkish markings. Flowering late
November–January **C. serotina**
- 140: Flowers usually creamy white, rarely with red or pinkish markings.
Flowering August–early November 141
141. Petals and sepals spreading horizontally to down-curved, never pendulous;
labellum marginal calli 2–5 mm long 142
142. Labellum <5 mm wide; petals and sepals >5 cm long. Forest areas
between Mt Barker and Bridgetown **C. christineae**
- 142: Labellum >7 mm wide; petals and sepals <5 cm long. Salt lake
margins and moist depressions between Salmon Gums and Mt Ragged **C. cruscula**
- 141: Petals and sepals down-curved to pendulous; labellum marginal calli
4–14 mm long..... 143
143. Lateral sepals 10.5–19 cm long; labellum >30 mm long × >15 mm wide **C. splendens**
- 143: Lateral sepals 3–15 cm long; labellum <30 mm long × <15 mm wide **C. longicauda**