

Hybanthus calycinus

(DC ex Ging) F. Muell.

VIOLACEAE

\*SHOW: South West Flora Character List Revised 29 October 1993

\*CHARACTER LIST

#1. <supra group>/

1. fern/
2. cycad/
3. conifer/
4. monocot/
5. dicot/

#2. <origin> <whether native to SW region>/

1. native/
2. naturalised/

#3. <Beard subdistrict> <Western Australian South-west Province, Darling District>/

1. Dale Division/
2. Drummond Division/
3. Menzies Division/
4. Warren Division/

#4. <National Parks> <voucher specimens available>/

1. Leeuwin-Naturaliste/
2. Scott River/
3. D'entrecasteaux/
4. Beedelup/
5. Warren/
6. Shannon/
7. Mt Frankland/
8. Walpole-Nornalup/
9. William Bay/
10. West Cape Howe/
11. Torndirrup/

#5. <National Parks> <voucher specimens not available>/

1. Leeuwin-Naturaliste/-
2. Scott River/
3. D'entrecasteaux/
4. Beedelup/
5. Warren/
6. Shannon/
7. Mt Frankland/
8. Walpole-Nornalup/
9. William Bay/
10. West Cape Howe/
11. Torndirrup/

#6. flowers <flowering period>/

1. January/
2. February/
3. March/
4. April/
5. May/
6. June/
7. July/
8. August/
9. September/

(Mainly)

10. October/

11. November/

12. December/

#7. <vegetation type>/

1. coastal heath/

2. swamp/

3. shrubland/

4. woodland/

5. karri forest/

6. jarrah forest/

7. other/

8. heath <not coastal>/

9. granite rocks/

10. Riverine

11. Estuarine

#8. <text> <date> compiled/

15 FEB 95

#9. <C> <S> <plant> <habit>/

1. tree/

2. tree-like/

3. shrub/

4. climber/

5. herb/

6. grass-like/

7. <other, specify>/

8. Sedge or rush-like

#10. <19> <plant> <longevity in herbs>/

1. annual/

2. biennial/

3. perennial/

#11. <C> <541> <plant> <height, m, including inflorescence>/  
m high/

to 0.6m

#12. <29?> <plant> <whether aquatic or terrestrial>/

1. aquatic <hydrophytic>/

2. terrestrial <implicit>/

#13. <30> <hydrophytic habit>/

1. marine/

2. non-marine/

#14. <32> leaves <of rooted hydrophytes> <habit>/

1. submerged/

2. emergent/

3. floating/

#15. <C> <12> leaves <including phyllodes, presence>/

1. present <implicit>/

2. much reduced/

3. absent/

#16. leaves <whether fasciculate>/

1. fasciculate/

2. not fasciculate <implicit>/

#17. <36> leaves <insertion, score "scattered; crowded" as U, with comment>/

1. alternate/

2. opposite/
3. whorled/

#18. <37> leaves <phyllotaxy, when alternate>/

1. spiral/
2. distichous/
3. 4-ranked/
4. 3-ranked <tristichous>/

#19. leaves <opposite, whether decussate>/

1. decussate/
2. not decussate <implicit>/

#20. <64?> stipule <presence>/

1. present <well developed, leaves stipulate>/
2. absent <or much reduced, leaves exstipulate>/

#21. <42> leaves <whether petiolate>/

1. petiolate/
2. subsessile/
3. sessile/
4. perfoliate/

#22. <C> <542> leaves <total leaf length, mm>/

mm long/ 20-45

#23. <C> <543> leaves <total leaf width, mm>/

mm wide/ 1-3

#24. <C> <50> leaves <whether simple or compound>/

1. simple <implicit>/
2. compound/

#25. <56> <simple leaves> blade <dissection>/

1. dissected/
2. entire <apart from margin>/

#26. <simple leaves> <shape> <ref: Flora of the Perth Region>/

1. narrowly elliptic/
2. elliptic/
3. broadly elliptic/
4. circular elliptic/
5. transversely broadly elliptic/
6. transversely elliptic/
7. narrowly oblong/
8. oblong/
9. broadly oblong/
10. square/
11. transversely broadly oblong/
12. transversely oblong/
13. narrowly rhombic/
14. rhombic/
15. broadly rhombic/
16. quadrate/
17. transversely broadly rhombic/
18. transversely rhombic/
19. narrowly ovate/
20. ovate/

- 21. broadly ovate/
- 22. very broadly ovate/
- 23. depressed ovate/
- 24. narrowly obovate/
- 25. obovate/
- 26. broadly obovate/
- 27. very broadly obovate/
- 28. depressed obovate/
- 29. narrowly trullate/
- 30. trullate/
- 31. broadly trullate/
- 32. very broadly trullate/
- 33. depressed trullate/
- 34. narrowly obtrullate/
- 35. obtrullate/
- 36. broadly obtrullate/
- 37. very broadly obtrullate/
- 38. depressed obtrullate/
- 39. narrowly triangular/
- 40. triangular/
- 41. broadly triangular/
- 42. deltate/
- 43. shallowly triangular/
- 44. narrowly obtriangular/
- 45. obtriangular/
- 46. broadly obtriangular/
- 47. obdeltate/
- 48. shallowly obtriangular/
- 49. linear/
- 50. subulate/
- 51. <other - specify>/
- 52. filiform/

#27. <simple leaves> <whether twisted>/

- 1. twisted/
- 2. not twisted/

#28. <simple leaves> margins <whether ciliate>/

- 1. ciliate/
- 2. not ciliate/

#29. <39?> <leaves> blade <mature form>/

- 1. flat/
- 2. folded lengthwise/
- 3. concave/
- 4. convex/
- 5. involute/
- 6. revolute/
- 7. terete/
- 8. semi-terete/
- 9. 3-angled/
- 10. 4-angled/
- 11. compressed/

#30. <71?> <simple leaves> margins/

- 1. entire/
- 2. crenate/
- 3. serrate/

4. dentate/
5. denticulate/

6. spiny-toothed

#31. <542> <simple leaves> blade <length, mm>/  
mm long/

20-45

#32. <543> <simple leaves> blade <width, mm>/  
mm wide/

1-3

#33. <53> leaves <compound form>/

1. unifoliolate/
2. ternate/
3. pinnate/
4. palmate/
5. bipinnate/
6. multipinnate <multiply compound>/

7. other

#34. <compound leaves> <leaflet shape> <ref: Flora of the Perth Region>/

1. narrowly elliptic/
2. elliptic/
3. broadly elliptic/
4. circular elliptic/
5. transversely broadly elliptic/
6. transversely elliptic/
7. narrowly oblong/
8. oblong/
9. broadly oblong/
10. square/
11. transversely broadly oblong/
12. transversely oblong/
13. narrowly rhombic/
14. rhombic/
15. broadly rhombic/
16. quadrate/
17. transversely broadly rhombic/
18. transversely rhombic/
19. narrowly ovate/
20. ovate/
21. broadly ovate/
22. very broadly ovate/
23. depressed ovate/
24. narrowly obovate/
25. obovate/
26. broadly obovate/
27. very broadly obovate/
28. depressed obovate/
29. narrowly trullate/
30. trullate/
31. broadly trullate/
32. very broadly trullate/
33. depressed trullate/
34. narrowly obtrullate/
35. obtrullate/
36. broadly obtrullate/
37. very broadly obtrullate/
38. depressed obtrullate/
39. narrowly triangular/
40. triangular/

41. broadly triangular/
42. deltate/
43. shallowly triangular/
44. narrowly obtriangular/
45. obtriangular/
46. broadly obtriangular/
47. obdeltate/
48. shallowly obtriangular/
49. linear/
50. subulate/
51. <other - specify>/
52. filiform/

#35. <compound leaves> <leaflet> margin/

1. entire/
2. crenate/
3. serrate/
4. dentate/
5. denticulate/

6. spiny toothed

#36. <compound leaves> <leaflet margins> <whether ciliate>/

1. ciliate/
2. not ciliate/

#37. <544> <compound leaves> leaflet blade <ultimate length, mm>/  
mm long/

#38. <545> <compound leaves> leaflet blade <ultimate width, mm>/  
mm wide/

#39. <C> <546> flowers <overall inflorescence colour>/

1. green/
2. white/
3. cream/
4. yellow/
5. orange/
6. red/
7. pink/
8. purple/
9. violet/
10. blue/
11. brown/
12. black/
13. other/

to

#40. flowers <shape> <casual character>/

1. 3-petal/
2. 4-petal/
3. 5-petal/
4. 6-petal/
5. pea flower/
6. wattle/
7. eucalypt/
8. daisy/
9. dandelion-daisy/
10. clustered/
11. other/
12. spikelet/

#41. <C> <175> flowers <arrangement>/

1. solitary/
2. aggregated <into inflorescences>/

#42. <C> <176> flowers in <inflorescence type>/

1. cymes/
2. racemes/
3. spikes/
4. heads/
5. umbels/
6. corymbs/
7. fascicles/
8. panicles/
9. verticils/
10. glomerules/
11. catkins/
12. <other - specify>/

#43. <plant sexuality>/

1. hermaphrodite <flowers bisexual, implicit>/
2. monoecious <separate male and female flowers on same plant>/
3. dioecious <plants with either all male or all female flowers>/
4. other <specify>/

#44. <186> <flowers> bracts <whether bracteate>/

1. present/
2. absent/

#45. <188> <flowers> bracteoles <whether bracteolate>/

1. present/
2. absent/

#46. <207?> floral whorls <presence or absence of perianth>/

1. two distinct whorls <calyx and corolla>/
2. intergrading calyx to corolla/
3. one whorl only (calyx) = corolla absent/
4. one whorl only (corolla) = calyx absent/
5. one whorl of uncertain origin <floral whorl or perianth>/
6. two whorls of uncertain origin <perianth in monocots>/
7. vestigial <reduced to bracts, scales, bristles, hairs or lodicules>/
8. absent/

#47. <202> floral tube <presence>/

1. present/
2. absent <simplicit>/

#48. <219> calyx <number of parts>/

or outer perianth

5

#49. <222> calyx <whether parts joined or free>/

1. free <or almost so> <polysepalous>/
2. of joined and free segments <partially gamosepalous>/
3. joined <gamosepalous>/

#50. calyx <length, mm>/  
mm long/

3-7 mm

#51. <236> corolla <number of parts>/

or inner perianth

5

segments/

- #52. <240> corolla <sup>or inner perianth</sup> <whether parts joined or free>/
1. free <or almost so> <polysepalous>/
  2. of joined and free segments <partially gamosepalous>/
  3. joined <gamosepalous>/

- #53. <246?> corolla <sup>or inner perianth</sup> <where segments joined, shape>/
1. rotate/
  2. 2-lipped/
  3. campanulate/
  4. tubular/
  5. urceolate/
  6. trumpet-like/
  7. spurred/
  8. ligulate/
  9. lobed/

- #54. <255?> petals <sup>or inner perianth</sup> <or corolla lobes, whether incised>/
1. deeply bifid/
  2. 2-lobed/
  3. fringed/
  4. entire/
  5. emarginate/
  6. several lobed/
  7. Other, specify

- #55. corolla <sup>or inner perianth</sup> <length, mm>/  
mm long/
- lower petal 10-16mm*  
*other petals 3.5-4.5mm*

#56. <271> stamens <fertile, number>/ 5

#57. <269> staminodes <number>/ none

- #58. <265?> stamens <freedom>/
1. free/ (*but cohering*)
  2. fused/
  3. some fused and some free/

- #59. stamens <insertion>/
1. opposite sepals/
  2. opposite petals/
  3. in continuous whorl/
  4. on corolla tube/
  5. in corolla throat/
  6. free from corolla/
  7. Other, specify *alternate with petals*

- #60. <283?> anthers dehiscing <mechanism>/
1. by pores/
  2. by vertical slits/
  3. by transverse slits/
  4. by valves/
  5. <other, specify>/

- #61. <316> ovary <gynoecium, constitution>/
1. monomerous <of a single carpel>/
  2. apocarpous <of two or more free carpels>/
  3. syncarpous <of two or more fused or partly fused carpels>/



#62. <318> ovary <position>/

1. superior/
2. partly inferior/
3. inferior/

#63. <326> ovary <locule number of syncarpous gynoecia>/  
locular/ |

#64. <333?> styles <number>/ |

#65. <336?> styles <insertion>/

1. apical/
2. lateral/
3. gynobasic/

#66. styles <whether simple or branched>/

1. simple/
2. branched/

#67. styles <number of branches>/  
branches/

#68. <?379, 381, 382> fruit <type>/

1. legume/
2. loment/
3. follicle/
4. achene/
5. samara/
6. nut/
7. drupe/
8. berry/
9. mericarps/
10. capsule/
11. silicule/
12. siliqua/
13. caryopsis/
14. <other, specify>/

#69. <?378, 380> fruit <whether dehiscent>/

1. dehiscent/
2. indehiscent/

#70. fruit <length, mm>/  
mm long/

ca 6mm

#71. fruit <width, mm>/  
mm wide/

#72. <text> <complete description, added only at completion of flora>/

Floral whorl or

#73. [perianth <no of parts>

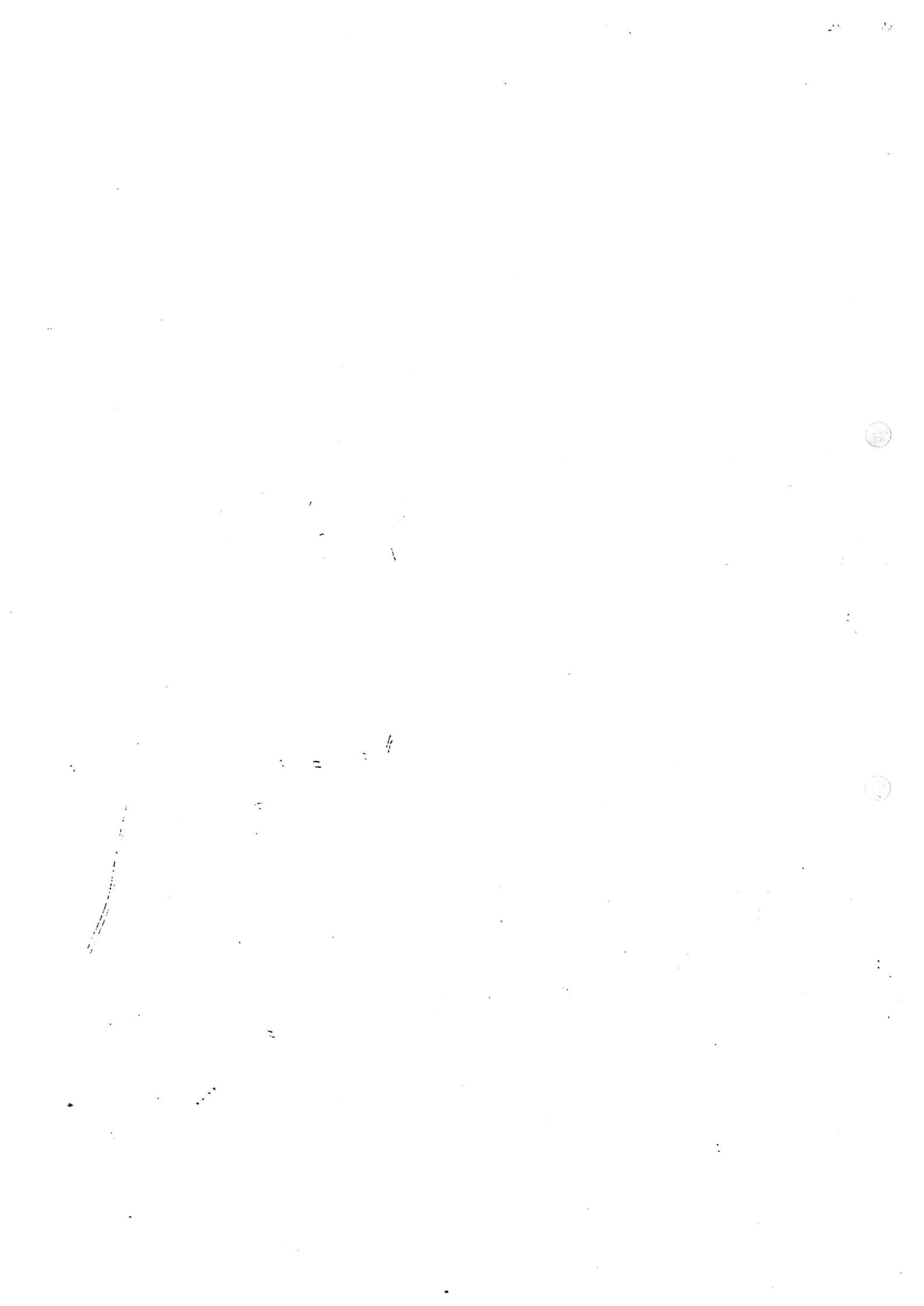
Floral whorl or

#74. [Perianth <joined or free>

1. Free
2. Joined

Floral whorl or

#75. [Perianth <length, mm>



\*SHOW: South West Flora Character List Revised 29 October 1993

\*CHARACTER LIST

#1. <supra group>/

1. fern/
2. cycad/
3. conifer/
4. monocot/
5. dicot/

#2. <origin> <whether native to SW region>/

1. native/
2. naturalised/

#3. <Beard subdistrict> <Western Australian South-west Province, Darling District>/

1. Dale Division/
2. Drummond Division/
3. Menzies Division/
4. Warren Division/

#4. <National Parks> <voucher specimens available>/

1. Leeuwin-Naturaliste/
2. Scott River/
3. D'entrecasteaux/
4. Beedelup/
5. Warren/
6. Shannon/
7. Mt Frankland/
8. Walpole-Nornalup/
9. William Bay/
10. West Cape Howe/
11. Torndirrup/

#5. <National Parks> <voucher specimens not available>/

1. Leeuwin-Naturaliste/
2. Scott River/
3. D'entrecasteaux/
4. Beedelup/
5. Warren/
6. Shannon/
7. Mt Frankland/
8. Walpole-Nornalup/
9. William Bay/
10. West Cape Howe/
11. Torndirrup/

#6. flowers <flowering period>/

1. January/
2. February/
3. March/
4. April/
5. May/
6. June/
7. July/
8. August/
9. September/

- 10. October/
- 11. November/
- 12. December/

- #7. <vegetation type>/
- 1. coastal heath/
  - 2. swamp/
  - 3. shrubland/
  - 4. woodland/
  - 5. karri forest/
  - 6. jarrah forest/
  - 7. other/
  - 8. heath <not coastal>/
  - 9. granite rocks/

10. Riverine  
11. Estuarine

#8. <text> <date> compiled/

- #9. <C> <S> <plant> <habit>/
- 1. tree/
  - 2. tree-like/
  - 3. shrub/
  - 4. climber/
  - 5. herb/
  - 6. grass-like/
  - 7. <other, specify>/

8. Sedge or rush-like

- #10. <19> <plant> <longevity in herbs>/
- 1. annual/
  - 2. biennial/
  - 3. perennial/

#11. <C> <541> <plant> <height, m, including inflorescence>/  
m high/ to 0.25m

- #12. <29?> <plant> <whether aquatic or terrestrial>/
- 1. aquatic <hydrophytic>/
  - 2. terrestrial <implicit>/

- #13. <30> <hydrophytic habit>/
- 1. marine/
  - 2. non-marine/

- #14. <32> leaves <of rooted hydrophytes> <habit>/
- 1. submerged/
  - 2. emergent/
  - 3. floating/

- #15. <C> <12> leaves <including phyllodes, presence>/
- 1. present <implicit>/
  - 2. much reduced/
  - 3. absent/

- #16. leaves <whether fasciculate>/
- 1. fasciculate/
  - 2. not fasciculate <implicit>/

- #17. <36> leaves <insertion, score "scattered; crowded" as U, with comment>/
- 1. alternate/

2. opposite/
3. whorled/

#18. <37> leaves <phyllotaxy, when alternate>/

1. spiral/
2. distichous/
3. 4-ranked/
4. 3-ranked <tristichous>/

#19. leaves <opposite, whether decussate>/

1. decussate/
2. not decussate <implicit>/

#20. <64?> stipule <presence>/

1. present <well developed, leaves stipulate>/
2. absent <or much reduced, leaves exstipulate>/

#21. <42> leaves <whether petiolate>/

1. petiolate/
2. subsessile/
3. sessile/
4. perfoliate/

#22. <C> <542> leaves <total leaf length, mm>/  
mm long/

5-25

#23. <C> <543> leaves <total leaf width, mm>/  
mm wide/

2-5

#24. <C> <50> leaves <whether simple or compound>/

1. simple <implicit>/
2. compound/

#25. <56> <simple leaves> blade <dissection>/

1. dissected/
2. entire <apart from margin>/

#26. <simple leaves> <shape> <ref: Flora of the Perth Region>/

1. narrowly elliptic/
2. elliptic/
3. broadly elliptic/
4. circular elliptic/
5. transversely broadly elliptic/
6. transversely elliptic/
7. narrowly oblong/
8. oblong/
9. broadly oblong/
10. square/
11. transversely broadly oblong/
12. transversely oblong/
13. narrowly rhombic/
14. rhombic/
15. broadly rhombic/
16. quadrate/
17. transversely broadly rhombic/
18. transversely rhombic/
19. narrowly ovate/
20. ovate/

- 21. broadly ovate/
- 22. very broadly ovate/
- 23. depressed ovate/
- 24. narrowly obovate/
- 25. obovate/
- 26. broadly obovate/
- 27. very broadly obovate/
- 28. depressed obovate/
- 29. narrowly trullate/
- 30. trullate/
- 31. broadly trullate/
- 32. very broadly trullate/
- 33. depressed trullate/
- 34. narrowly obtrullate/
- 35. obtrullate/
- 36. broadly obtrullate/
- 37. very broadly obtrullate/
- 38. depressed obtrullate/
- 39. narrowly triangular/
- 40. triangular/
- 41. broadly triangular/
- 42. deltate/
- 43. shallowly triangular/
- 44. narrowly obtriangular/
- 45. obtriangular/
- 46. broadly obtriangular/
- 47. obdeltate/
- 48. shallowly obtriangular/
- 49. linear/
- 50. subulate/
- 51. <other - specify>/
- 52. filiform/

#27. <simple leaves> <whether twisted>/

- 1. twisted/
- 2. not twisted/

#28. <simple leaves> margins <whether ciliate>/

- 1. ciliate/
- 2. not ciliate/

#29. <39?> <leaves> blade <mature form>/

- 1. flat/
- 2. folded lengthwise/
- 3. concave/
- 4. convex/
- 5. involute/
- 6. revolute/
- 7. terete/
- 8. semi-terete/
- 9. 3-angled/
- 10. 4-angled/
- 11. compressed/

#30. <71?> <simple leaves> margins/

- 1. entire/
- 2. crenate/
- 3. serrate/

4. dentate/
5. denticulate/

6. spiny-toothed

#31. <542> <simple leaves> blade <length, mm>/  
mm long/

5-25

#32. <543> <simple leaves> blade <width, mm>/  
mm wide/

2-5

#33. <53> leaves <compound form>/

1. unifoliolate/
2. ternate/
3. pinnate/
4. palmate/
5. bipinnate/
6. multipinnate <multiply compound>/

7. other

#34. <compound leaves> <leaflet shape> <ref: Flora of the Perth Region>/

1. narrowly elliptic/
2. elliptic/
3. broadly elliptic/
4. circular elliptic/
5. transversely broadly elliptic/
6. transversely elliptic/
7. narrowly oblong/
8. oblong/
9. broadly oblong/
10. square/
11. transversely broadly oblong/
12. transversely oblong/
13. narrowly rhombic/
14. rhombic/
15. broadly rhombic/
16. quadrate/
17. transversely broadly rhombic/
18. transversely rhombic/
19. narrowly ovate/
20. ovate/
21. broadly ovate/
22. very broadly ovate/
23. depressed ovate/
24. narrowly obovate/
25. obovate/
26. broadly obovate/
27. very broadly obovate/
28. depressed obovate/
29. narrowly trullate/
30. trullate/
31. broadly trullate/
32. very broadly trullate/
33. depressed trullate/
34. narrowly obtrullate/
35. obtrullate/
36. broadly obtrullate/
37. very broadly obtrullate/
38. depressed obtrullate/
39. narrowly triangular/
40. triangular/

41. broadly triangular/
42. deltate/
43. shallowly triangular/
44. narrowly obtriangular/
45. obtriangular/
46. broadly obtriangular/
47. obdeltate/
48. shallowly obtriangular/
49. linear/
50. subulate/
51. <other - specify>/
52. filiform/

#35. <compound leaves> <leaflet> margin/

1. entire/
2. crenate/
3. serrate/
4. dentate/
5. denticulate/

6. spiny toothed

#36. <compound leaves> <leaflet margins> <whether ciliate>/

1. ciliate/
2. not ciliate/

#37. <544> <compound leaves> leaflet blade <ultimate length, mm>/  
mm long/

#38. <545> <compound leaves> leaflet blade <ultimate width, mm>/  
mm wide/

#39. <C> <546> flowers <overall inflorescence colour>/

1. green/
2. white/
3. cream/
4. yellow/
5. orange/
6. red/
7. pink/
8. purple/
9. violet/
10. blue/
11. brown/
12. black/
13. other/

to

#40. flowers <shape> <casual character>/

1. 3-petal/
2. 4-petal/
3. 5-petal/
4. 6-petal/
5. pea flower/
6. wattle/
7. eucalypt/
8. daisy/
9. dandelion-daisy/
10. clustered/
11. other/
12. spikelet/



#41. <C> <175> flowers <arrangement>/

1. solitary/
2. aggregated <into inflorescences>/

#42. <C> <176> flowers in <inflorescence type>/

1. cymes/
2. racemes/
3. spikes/
4. heads/
5. umbels/
6. corymbs/
7. fascicles/
8. panicles/
9. verticils/
10. glomerules/
11. catkins/
12. <other - specify>/

#43. <plant sexuality>/

1. hermaphrodite <flowers bisexual, implicit>/
2. monoecious <separate male and female flowers on same plant>/
3. dioecious <plants with either all male or all female flowers>/
4. other <specify>/

#44. <186> <flowers> bracts <whether bracteate>/

1. present/
2. absent/

#45. <188> <flowers> bracteoles <whether bracteolate>/

1. present/
2. absent/

#46. <207> floral whorls <presence or absence of perianth>/

1. two distinct whorls <calyx and corolla>/
2. intergrading calyx to corolla/
3. one whorl only (calyx) = corolla absent/
4. one whorl only (corolla) = calyx absent/
5. one whorl of uncertain origin <floral whorl or perianth>/
6. two whorls of uncertain origin <perianth in monocots>/
7. vestigial <reduced to bracts, scales, bristles, hairs or lodicules>/
8. absent/

#47. <202> floral tube <presence>/

1. present/
2. absent <implicit>/

#48. <219> calyx / number of parts/

5

#49. <222> calyx / whether parts joined or free/

1. free <or almost so> <polysepalous>/
2. of joined and free segments <partially gamosepalous>/
3. joined <gamosepalous>/

#50. calyx / length, mm/

2-4mm

#51. <236> corolla / number of parts/

5

segments/

- #52. <240> corolla <sup>or inner perianth</sup> <whether parts joined or free>/
1. free <or almost so> <polysepalous>/
  2. of joined and free segments <partially gamosepalous>/
  3. joined <gamosepalous>/

- #53. <246?> corolla <sup>or inner perianth</sup> <where segments joined, shape>/
1. rotate/
  2. 2-lipped/
  3. campanulate/
  4. tubular/
  5. urceolate/
  6. trumpet-like/
  7. spurred/
  8. ligulate/
  9. lobed/

- #54. <255?> petals <sup>or inner perianth</sup> <or corolla lobes, whether incised>/
1. deeply bifid/
  2. 2-lobed/
  3. fringed/
  4. entire/
  5. emarginate/
  6. several lobed/
  7. <other, specify>

- #55. corolla <sup>or inner perianth</sup> <length, mm>/  
mm long/
- 5-12 (lower petal)  
2-3 (lateral petals)

#56. <271> stamens <fertile, number>/ 5

#57. <269> staminodes <number>/ none

- #58. <265?> stamens <freedom>/
1. free/
  2. fused/
  3. some fused and some free/

- #59. stamens <insertion>/
1. opposite sepals/
  2. opposite petals/
  3. in continuous whorl/
  4. on corolla tube/
  5. in corolla throat/
  6. free from corolla/

7. other, specify *alternate with petals*

- #60. <283?> anthers dehiscing <mechanism>/
1. by pores/
  2. by vertical slits/
  3. by transverse slits/
  4. by valves/
  5. <other, specify>/

- #61. <316> ovary <gynoecium, constitution>/
1. monomerous <of a single carpel>/
  2. apocarpous <of two or more free carpels>/
  3. syncarpous <of two or more fused or partly fused carpels>/

#62. <318> ovary <position>/

1. superior/
2. partly inferior/
3. inferior/

#63. <326> ovary <locule number of syncarpous gynoecia>/  
locular/ |

#64. <333?> styles <number>/ |

#65. <336?> styles <insertion>/

1. apical/
2. lateral/
3. gynobasic/

#66. styles <whether simple or branched>/

1. simple/
2. branched/

#67. styles <number of branches>/  
branches/

#68. <?379, 381, 382> fruit <type>/

1. legume/
2. loment/
3. follicle/
4. achene/
5. samara/
6. nut/
7. drupe/
8. berry/
9. mericarps/
10. capsule/
11. silicule/
12. siliqua/
13. caryopsis/
14. <other, specify>/

#69. <?378, 380> fruit <whether dehiscent>/

1. dehiscent/
2. indehiscent/

#70. fruit <length, mm>/  
mm long/

ca 5mm

#71. fruit <width, mm>/  
mm wide/

#72. <text> <complete description, added only at completion of flora>/

Floral whorl or

#73. [perianth <no of parts>

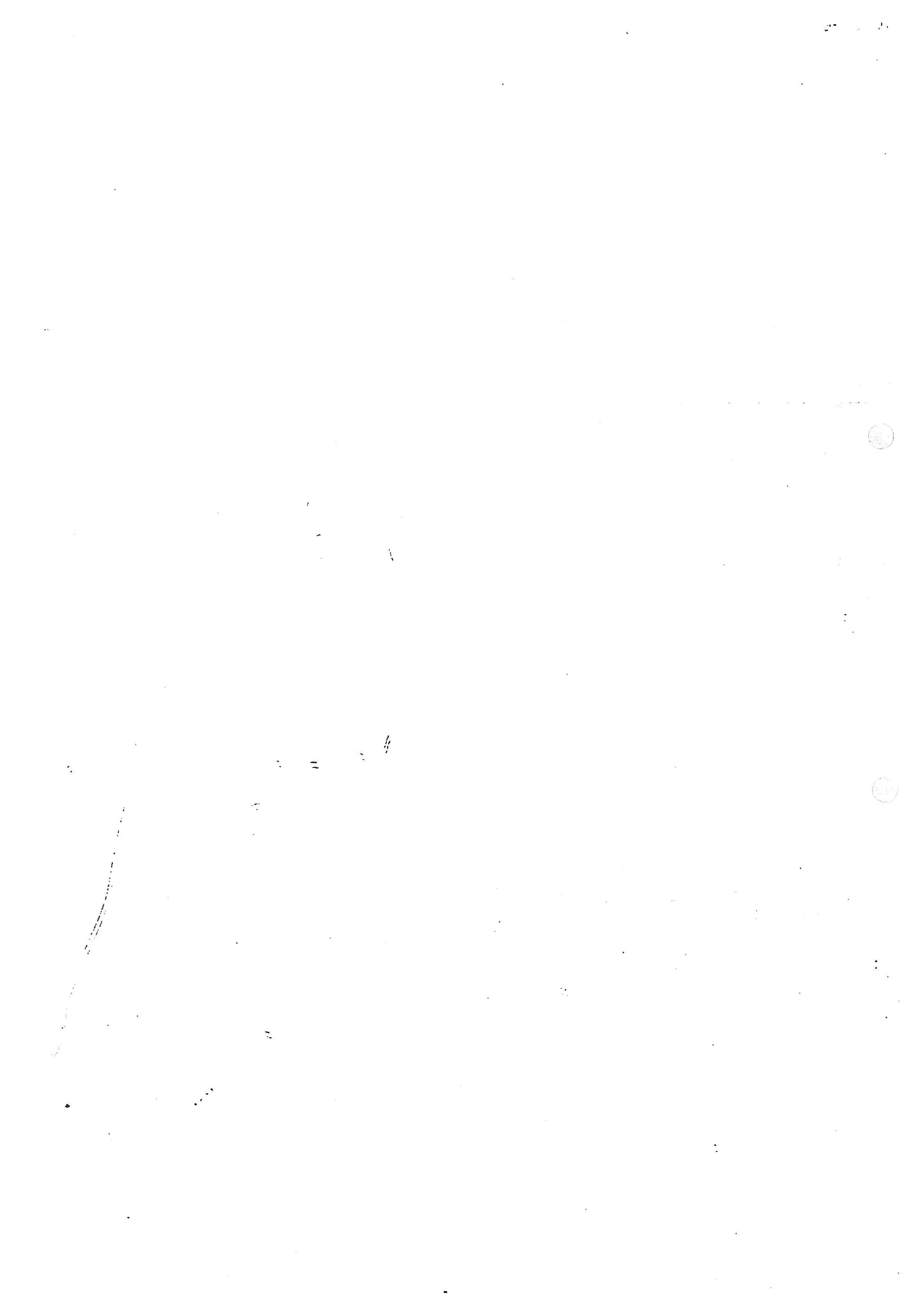
Floral whorl or

#74. [perianth <joined or free>

1. Free

2. Joined

Floral whorl or  
#75. [perianth <length, mm>



Hybanthus floribundus  
(Lindley) F. Muell  
VIOLACEAE

\*SHOW: South West Flora Character List Revised 29 October 1993

\*CHARACTER LIST

#1. <supra group>/

1. fern/
2. cycad/
3. conifer/
4. monocot/
5. dicot/

#2. <origin> <whether native to SW region>/

1. native/
2. naturalised/

#3. <Beard subdistrict> <Western Australian South-west Province, Darling District>/

1. Dale Division/
2. Drummond Division/
3. Menzies Division/
4. Warren Division/

#4. <National Parks> <voucher specimens available>/

1. Leeuwin-Naturaliste/
2. Scott River/
3. D'entrecasteaux/
4. Beedelup/
5. Warren/
6. Shannon/
7. Mt Frankland/
8. Walpole-Nornalup/
9. William Bay/
10. West Cape Howe/
11. Torndirrup/

#5. <National Parks> <voucher specimens not available>/

1. Leeuwin-Naturaliste/
2. Scott River/
3. D'entrecasteaux/
4. Beedelup/
5. Warren/
6. Shannon/
7. Mt Frankland/
8. Walpole-Nornalup/
9. William Bay/
10. West Cape Howe/
11. Torndirrup/

#6. flowers <flowering period>/

1. January/
2. February/
3. March/
4. April/
5. May/
6. June/
7. July/
8. August/
9. September/

- 10. October/
- 11. November/
- 12. December/

#7. <vegetation type>/

- 1. coastal heath/
- 2. swamp/
- 3. shrubland/
- 4. woodland/
- 5. karri forest/
- 6. jarrah forest/
- 7. other/
- 8. heath <not coastal>/
- 9. granite rocks/

10. Riverine  
11. Estuarine

#8. <text> <date> compiled/

15 FEB 95

#9. <C> <S> <plant> <habit>/

- 1. tree/
- 2. tree-like/
- 3. shrub/ or
- 4. climber/
- 5. herb/
- 6. grass-like/
- 7. <other, specify>/

8. Sedge or rush-like

#10. <19> <plant> <longevity in herbs>/

- 1. annual/
- 2. biennial/
- 3. perennial/

#11. <C> <541> <plant> <height, m, including inflorescence>/  
m high/

to 1.5m

#12. <29?> <plant> <whether aquatic or terrestrial>/

- 1. aquatic <hydrophytic>/
- 2. terrestrial <implicit>/

#13. <30> <hydrophytic habit>/

- 1. marine/
- 2. non-marine/

#14. <32> leaves <of rooted hydrophytes> <habit>/

- 1. submerged/
- 2. emergent/
- 3. floating/

#15. <C> <12> leaves <including phyllodes, presence>/

- 1. present <implicit>/
- 2. much reduced/
- 3. absent/

#16. leaves <whether fasciculate>/

- 1. fasciculate/
- 2. not fasciculate <implicit>/

#17. <36> leaves <insertion, score "scattered; crowded" as U, with comment>/

- 1. alternate/

2. opposite/
3. whorled/

#18. <37> leaves <phyllotaxy, when alternate>/

1. spiral/
2. distichous/
3. 4-ranked/
4. 3-ranked <tristichous>/

#19. leaves <opposite, whether decussate>/

1. decussate/
2. not decussate <implicit>/

#20. <64?> stipule <presence>/

1. present <well developed, leaves stipulate>/
2. absent <or much reduced, leaves exstipulate>/

#21. <42> leaves <whether petiolate>/

1. petiolate/
2. subsessile/
3. sessile/
4. perfoliate/

#22. <C> <542> leaves <total leaf length, mm>/  
mm long/ 5-35

#23. <C> <543> leaves <total leaf width, mm>/  
mm wide/ 0.5-7

#24. <C> <50> leaves <whether simple or compound>/

1. simple <implicit>/
2. compound/

#25. <56> <simple leaves> blade <dissection>/

1. dissected/
2. entire <apart from margin>/

#26. <simple leaves> <shape> <ref: Flora of the Perth Region>/

1. narrowly elliptic/
2. elliptic/
3. broadly elliptic/
4. circular elliptic/
5. transversely broadly elliptic/
6. transversely elliptic/
7. narrowly oblong/
8. oblong/
9. broadly oblong/
10. square/
11. transversely broadly oblong/
12. transversely oblong/
13. narrowly rhombic/
14. rhombic/
15. broadly rhombic/
16. quadrate/
17. transversely broadly rhombic/
18. transversely rhombic/
19. narrowly ovate/
20. ovate/

- 21. broadly ovate/
- 22. very broadly ovate/
- 23. depressed ovate/
- 24. narrowly obovate/
- 25. obovate/
- 26. broadly obovate/
- 27. very broadly obovate/
- 28. depressed obovate/
- 29. narrowly trullate/
- 30. trullate/
- 31. broadly trullate/
- 32. very broadly trullate/
- 33. depressed trullate/
- 34. narrowly obtrullate/
- 35. obtrullate/
- 36. broadly obtrullate/
- 37. very broadly obtrullate/
- 38. depressed obtrullate/
- 39. narrowly triangular/
- 40. triangular/
- 41. broadly triangular/
- 42. deltate/
- 43. shallowly triangular/
- 44. narrowly obtriangular/
- 45. obtriangular/
- 46. broadly obtriangular/
- 47. obdeltate/
- 48. shallowly obtriangular/
- 49. linear/
- 50. subulate/
- 51. <other - specify>/
- 52. filiform/

#27. <simple leaves> <whether twisted>/

- 1. twisted/
- 2. not twisted/

#28. <simple leaves> margins <whether ciliate>/

- 1. ciliate/
- 2. not ciliate/

#29. <39?> <leaves> blade <mature form>/

- 1. flat/
- 2. folded lengthwise/
- 3. concave/
- 4. convex/
- 5. involute/
- 6. revolute/
- 7. terete/
- 8. semi-terete/
- 9. 3-angled/
- 10. 4-angled/
- 11. compressed/

#30. <71?> <simple leaves> margins/

- 1. entire/
- 2. crenate/
- 3. serrate/



4. dentate/
5. denticulate/

6. spiny-toothed

#31. <542> <simple leaves> blade <length, mm>/  
mm long/

5-35

#32. <543> <simple leaves> blade <width, mm>/  
mm wide/

0.5-7

#33. <53> leaves <compound form>/

1. unifoliate/
2. ternate/
3. pinnate/
4. palmate/
5. bipinnate/
6. multipinnate <multiply compound>/

7. other

#34. <compound leaves> <leaflet shape> <ref: Flora of the Perth Region>/

1. narrowly elliptic/
2. elliptic/
3. broadly elliptic/
4. circular elliptic/
5. transversely broadly elliptic/
6. transversely elliptic/
7. narrowly oblong/
8. oblong/
9. broadly oblong/
10. square/
11. transversely broadly oblong/
12. transversely oblong/
13. narrowly rhombic/
14. rhombic/
15. broadly rhombic/
16. quadrate/
17. transversely broadly rhombic/
18. transversely rhombic/
19. narrowly ovate/
20. ovate/
21. broadly ovate/
22. very broadly ovate/
23. depressed ovate/
24. narrowly obovate/
25. obovate/
26. broadly obovate/
27. very broadly obovate/
28. depressed obovate/
29. narrowly trullate/
30. trullate/
31. broadly trullate/
32. very broadly trullate/
33. depressed trullate/
34. narrowly obtrullate/
35. obtrullate/
36. broadly obtrullate/
37. very broadly obtrullate/
38. depressed obtrullate/
39. narrowly triangular/
40. triangular/

41. broadly triangular/
42. deltate/
43. shallowly triangular/
44. narrowly obtriangular/
45. obtriangular/
46. broadly obtriangular/
47. obdeltate/
48. shallowly obtriangular/
49. linear/
50. subulate/
51. <other - specify>/
52. filiform/

#35. <compound leaves> <leaflet> margin/

1. entire/
2. crenate/
3. serrate/
4. dentate/
5. denticulate/

6. spiny toothed

#36. <compound leaves> <leaflet margins> <whether ciliate>/

1. ciliate/
2. not ciliate/

#37. <544> <compound leaves> leaflet blade <ultimate length, mm>/  
mm long/

#38. <545> <compound leaves> leaflet blade <ultimate width, mm>/  
mm wide/

#39. <C> <546> flowers <overall inflorescence colour>/

1. green/
2. white/
3. cream/
4. yellow/
5. orange/
6. red/
7. pink/
8. purple/
9. violet/
10. blue/
11. brown/
12. black/
13. other/

to

#40. flowers <shape> <casual character>/

1. 3-petal/
2. 4-petal/
3. 5-petal/
4. 6-petal/
5. pea flower/
6. wattle/
7. eucalypt/
8. daisy/
9. dandelion-daisy/
10. clustered/
11. other/
12. spikelet/

#41. <C> <175> flowers <arrangement>/

1. solitary/ *occasionally*
2. aggregated <into inflorescences>/

#42. <C> <176> flowers in <inflorescence type>/

1. cymes/
2. racemes/ *(usually branched)*
3. spikes/
4. heads/
5. umbels/
6. corymbs/
7. fascicles/
8. panicles/
9. verticils/
10. glomerules/
11. catkins/
12. <other - specify>/

#43. <plant sexuality>/

1. hermaphrodite <flowers bisexual, implicit>/
2. monoecious <separate male and female flowers on same plant>/
3. dioecious <plants with either all male or all female flowers>/
4. other <specify>/

#44. <186> <flowers> bracts <whether bracteate>/

1. present/
2. absent/

#45. <188> <flowers> bracteoles <whether bracteolate>/

1. present/
2. absent/

#46. <207?> floral whorls <presence or absence of perianth>/

1. two distinct whorls <calyx and corolla>/
2. intergrading calyx to corolla/
3. one whorl only (calyx) = corolla absent/
4. one whorl only (corolla) = calyx absent/
5. one whorl of uncertain origin <floral whorl or perianth>/
6. two whorls of uncertain origin <perianth in monocots>/
7. vestigial <reduced to bracts, scales, bristles, hairs or lodicules>/
8. absent/

#47. <202> floral tube <presence>/

1. present/
2. absent <implicit>/

#48. <219> calyx <number of parts>/

*or outer perianth*  
*or outer perianth*

5

#49. <222> calyx <whether parts joined or free>/

1. free <or almost so> <polysepalous>/
2. of joined and free segments <partially gamosepalous>/
3. joined <gamosepalous>/

#50. calyx <length, mm>/  
mm long/

*1-4 mm*

#51. <236> corolla <number of parts>/

*or inner perianth*

5

segments/

- #52. <240> corolla <sup>or inner perianth</sup> <whether parts joined or free>/
- 1. free <or almost so> <polysepalous>/
  - 2. of joined and free segments <partially gamosepalous>/
  - 3. joined <gamosepalous>/

- #53. <246?> corolla <sup>or inner perianth</sup> <where segments joined, shape>/
- 1. rotate/
  - 2. 2-lipped/
  - 3. campanulate/
  - 4. tubular/
  - 5. urceolate/
  - 6. trumpet-like/
  - 7. spurred/
  - 8. ligulate/
  - 9. lobed/

- #54. <255?> petals <sup>or inner perianth</sup> <or corolla lobes, whether incised>/
- 1. deeply bifid/
  - 2. 2-lobed/
  - 3. fringed/
  - 4. entire/
  - 5. emarginate/
  - 6. several lobed/
  - 7. Other, specify

- #55. corolla <sup>or inner perianth</sup> <length, mm>/
- mm long/
- (upper) 4-11mm  
(lateral) 1.5-4

- #56. <271> stamens <fertile, number>/ 5

- #57. <269> staminodes <number>/ none

- #58. <265?> stamens <freedom>/
- 1. free/
  - 2. fused/
  - 3. some fused and some free/

- #59. stamens <insertion>/
- 1. opposite sepals/
  - 2. opposite petals/
  - 3. in continuous whorl/
  - 4. on corolla tube/
  - 5. in corolla throat/
  - 6. free from corolla/
  - 7. Other, specify alternate with petals

- #60. <283?> anthers dehiscing <mechanism>/
- 1. by pores/
  - 2. by vertical slits/
  - 3. by transverse slits/
  - 4. by valves/
  - 5. <other, specify>/

- #61. <316> ovary <gynoecium, constitution>/
- 1. monomerous <of a single carpel>/
  - 2. apocarpous <of two or more free carpels>/
  - 3. syncarpous <of two or more fused or partly fused carpels>/

#62. <318> ovary <position>/

1. superior/
2. partly inferior/
3. inferior/

#63. <326> ovary <locule number of syncarpous gynoecia>/

locular/ |

#64. <333?> styles <number>/ |

#65. <336?> styles <insertion>/

1. apical/
2. lateral/
3. gynobasic/

#66. styles <whether simple or branched>/

1. simple/
2. branched/

#67. styles <number of branches>/

branches/

#68. <?379, 381, 382> fruit <type>/

1. legume/
2. loment/
3. follicle/
4. achene/
5. samara/
6. nut/
7. drupe/
8. berry/
9. mericarps/
10. capsule/
11. silicule/
12. siliqua/
13. caryopsis/
14. <other, specify>/

#69. <?378, 380> fruit <whether dehiscent>/

1. dehiscent/
2. indehiscent/

#70. fruit <length, mm>/

mm long/

to 8mm

#71. fruit <width, mm>/

mm wide/

#72. <text> <complete description, added only at completion of flora>/

Floral whorl or

#73. [Perianth (no of parts)]

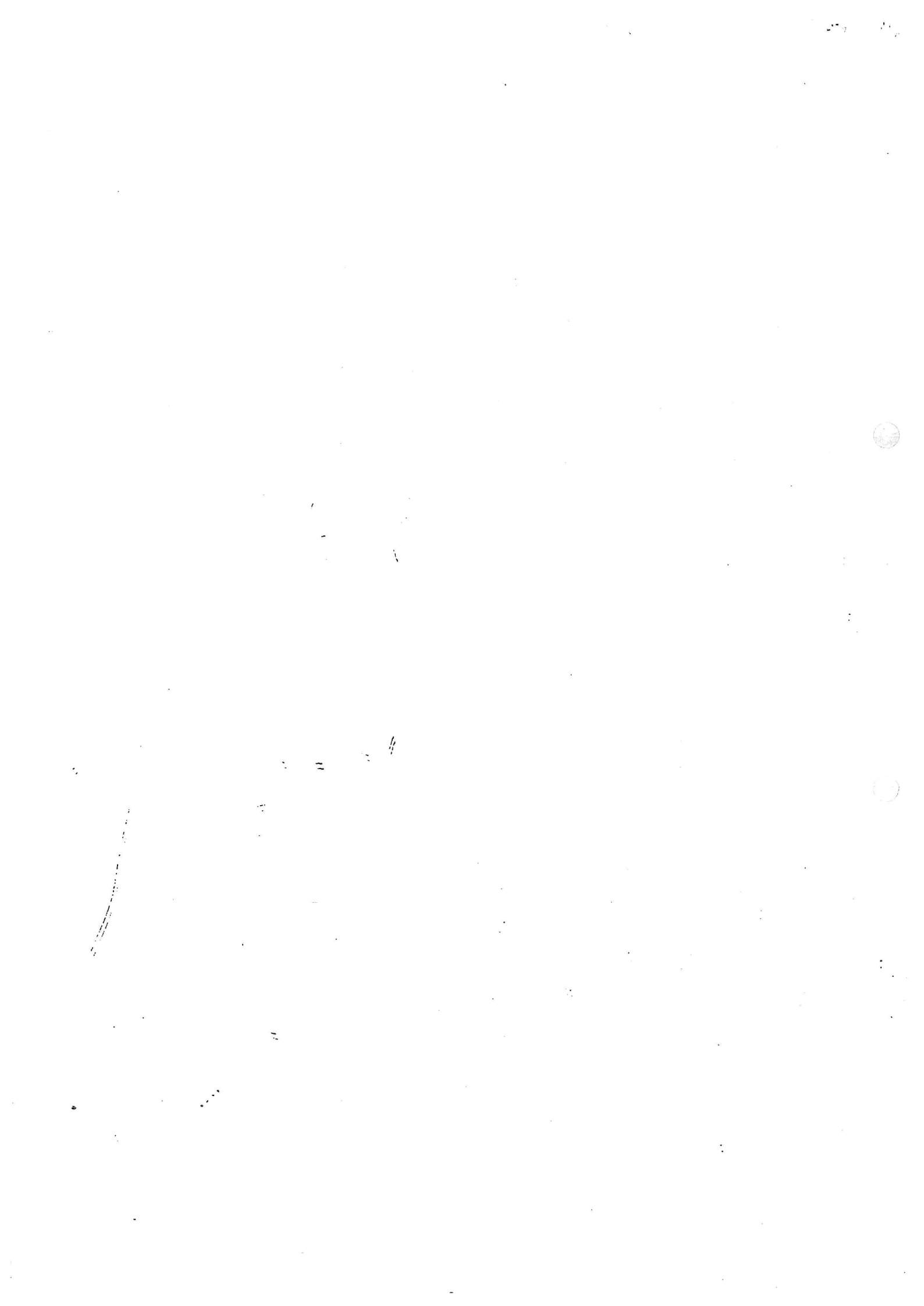
Floral whorl or

#74. [Perianth (joined or free)]

1. Free
2. Joined

Floral whorl or

#75. [Perianth (length, mm)]



\*SHOW: South West Flora Character List Revised 29 October 1993

\*CHARACTER LIST

#1. <supra group>/

1. fern/
2. cycad/
3. conifer/
4. monocot/
5. dicot/

#2. <origin> <whether native to SW region>/

1. native/
2. naturalised/

#3. <Beard subdistrict> <Western Australian South-west Province, Darling District>/

1. Dale Division/
2. Drummond Division/
3. Menzies Division/
4. Warren Division/

#4. <National Parks> <voucher specimens available>/

1. Leeuwin-Naturaliste/
2. Scott River/
3. D'entrecasteaux/
4. Beedelup/
5. Warren/
6. Shannon/
7. Mt Frankland/
8. Walpole-Nornalup/
9. William Bay/
10. West Cape Howe/
11. Torndirrup/

#5. <National Parks> <voucher specimens not available>/

1. Leeuwin-Naturaliste/-
2. Scott River/
3. D'entrecasteaux/
4. Beedelup/
5. Warren/
6. Shannon/
7. Mt Frankland/
8. Walpole-Nornalup/
9. William Bay/
10. West Cape Howe/
11. Torndirrup/

#6. flowers <flowering period>/

1. January/
2. February/
3. March/
4. April/
5. May/
6. June/
7. July/
8. August/
9. September/

- 10. October/
- 11. November/
- 12. December/

- #7. <vegetation type>/
- 1. coastal heath/
  - 2. swamp/
  - 3. shrubland/
  - 4. woodland/
  - 5. karri forest/
  - 6. jarrah forest/
  - 7. other/
  - 8. heath <not coastal>/
  - 9. granite rocks/

- 10. Riverine
- 11. Estuarine

#8. <text> <date> compiled/

15 FEB 95

- #9. <C> <5> <plant> <habit>/
- 1. tree/
  - 2. tree-like/
  - 3. shrub/
  - 4. climber/ and
  - 5. herb/
  - 6. grass-like/
  - 7. <other, specify>/

8. Sedge or rush-like

- #10. <19> <plant> <longevity in herbs>/
- 1. annual/
  - 2. biennial/
  - 3. perennial/

#11. <C> <541> <plant> <height, m, including inflorescence>/  
m high/

to 1m

- #12. <29?> <plant> <whether aquatic or terrestrial>/
- 1. aquatic <hydrophytic>/
  - 2. terrestrial <implicit>/

- #13. <30> <hydrophytic habit>/
- 1. marine/
  - 2. non-marine/

- #14. <32> leaves <of rooted hydrophytes> <habit>/
- 1. submerged/
  - 2. emergent/
  - 3. floating/

- #15. <C> <12> leaves <including phyllodes, presence>/
- 1. present <implicit>/
  - 2. much reduced/
  - 3. absent/

- #16. leaves <whether fasciculate>/
- 1. fasciculate/
  - 2. not fasciculate <implicit>/

- #17. <36> leaves <insertion, score "scattered; crowded" as U, with comment>/
- 1. alternate/



2. opposite/
3. whorled/

#18. <37> leaves <phyllotaxy, when alternate>/

1. spiral/
2. distichous/
3. 4-ranked/
4. 3-ranked <tristichous>/

#19. leaves <opposite, whether decussate>/

1. decussate/
2. not decussate <implicit>/

#20. <64?> stipule <presence>/

1. present <well developed, leaves stipulate>/
2. absent <or much reduced, leaves exstipulate>/

#21. <42> leaves <whether petiolate>/

1. petiolate/
2. subsessile/
3. sessile/
4. perfoliate/

#22. <C> <542> leaves <total leaf length, mm>/  
mm long/ 10-20

#23. <C> <543> leaves <total leaf width, mm>/  
mm wide/ 2-6

#24. <C> <50> leaves <whether simple or compound>/

1. simple <implicit>/
2. compound/

#25. <56> <simple leaves> blade <dissection>/

1. dissected/
2. entire <apart from margin>/

#26. <simple leaves> <shape> <ref: Flora of the Perth Region>/

1. narrowly elliptic/
2. elliptic/
3. broadly elliptic/
4. circular elliptic/
5. transversely broadly elliptic/
6. transversely elliptic/
7. narrowly oblong/
8. oblong/
9. broadly oblong/
10. square/
11. transversely broadly oblong/
12. transversely oblong/
13. narrowly rhombic/
14. rhombic/
15. broadly rhombic/
16. quadrate/
17. transversely broadly rhombic/
18. transversely rhombic/
19. narrowly ovate/
20. ovate/

- 21. broadly ovate/
- 22. very broadly ovate/
- 23. depressed ovate/
- 24. narrowly obovate/
- 25. obovate/
- 26. broadly obovate/
- 27. very broadly obovate/
- 28. depressed obovate/
- 29. narrowly trullate/
- 30. trullate/
- 31. broadly trullate/
- 32. very broadly trullate/
- 33. depressed trullate/
- 34. narrowly obtrullate/
- 35. obtrullate/
- 36. broadly obtrullate/
- 37. very broadly obtrullate/
- 38. depressed obtrullate/
- 39. narrowly triangular/
- 40. triangular/
- 41. broadly triangular/
- 42. deltate/
- 43. shallowly triangular/
- 44. narrowly obtriangular/
- 45. obtriangular/
- 46. broadly obtriangular/
- 47. obdeltate/
- 48. shallowly obtriangular/
- 49. linear/
- 50. subulate/
- 51. <other - specify>/
- 52. filiform/

#27. <simple leaves> <whether twisted>/

- 1. twisted/
- 2. not twisted/

#28. <simple leaves> margins <whether ciliate>/

- 1. ciliate/
- 2. not ciliate/

#29. <39?> <leaves> blade <mature form>/

- 1. flat/
- 2. folded lengthwise/
- 3. concave/
- 4. convex/
- 5. involute/
- 6. revolute/
- 7. terete/
- 8. semi-terete/
- 9. 3-angled/
- 10. 4-angled/
- 11. compressed/

#30. <71?> <simple leaves> margins/

- 1. entire/
- 2. crenate/
- 3. serrate/

4. dentate/
5. denticulate/

6. spiny-toothed

#31. <542> <simple leaves> blade <length, mm>/  
mm long/

10-20

#32. <543> <simple leaves> blade <width, mm>/  
mm wide/

2-6

#33. <53> leaves <compound form>/

1. unifoliate/
2. ternate/
3. pinnate/
4. palmate/
5. bipinnate/
6. multipinnate <multiply compound>/

7. other

#34. <compound leaves> <leaflet shape> <ref: Flora of the Perth Region>/

1. narrowly elliptic/
2. elliptic/
3. broadly elliptic/
4. circular elliptic/
5. transversely broadly elliptic/
6. transversely elliptic/
7. narrowly oblong/
8. oblong/
9. broadly oblong/
10. square/
11. transversely broadly oblong/
12. transversely oblong/
13. narrowly rhombic/
14. rhombic/
15. broadly rhombic/
16. quadrate/
17. transversely broadly rhombic/
18. transversely rhombic/
19. narrowly ovate/
20. ovate/
21. broadly ovate/
22. very broadly ovate/
23. depressed ovate/
24. narrowly obovate/
25. obovate/
26. broadly obovate/
27. very broadly obovate/
28. depressed obovate/
29. narrowly trullate/
30. trullate/
31. broadly trullate/
32. very broadly trullate/
33. depressed trullate/
34. narrowly obtrullate/
35. obtrullate/
36. broadly obtrullate/
37. very broadly obtrullate/
38. depressed obtrullate/
39. narrowly triangular/
40. triangular/

41. broadly triangular/
42. deltate/
43. shallowly triangular/
44. narrowly obtriangular/
45. obtriangular/
46. broadly obtriangular/
47. obdeltate/
48. shallowly obtriangular/
49. linear/
50. subulate/
51. <other - specify>/
52. filiform/

#35. <compound leaves> <leaflet> margin/

1. entire/
2. crenate/
3. serrate/
4. dentate/
5. denticulate/

*6. spiny toothed*

#36. <compound leaves> <leaflet margins> <whether ciliate>/

1. ciliate/
2. not ciliate/

#37. <544> <compound leaves> leaflet blade <ultimate length, mm>/  
mm long/

#38. <545> <compound leaves> leaflet blade <ultimate width, mm>/  
mm wide/

#39. <C> <546> flowers <overall inflorescence colour>/

1. green/
2. white/ *to*
3. cream/
4. yellow/
5. orange/
6. red/
7. pink/
8. purple/ *α*
9. violet/
10. blue/
11. brown/
12. black/
13. other/

#40. flowers <shape> <casual character>/

1. 3-petal/
2. 4-petal/
3. 5-petal/
4. 6-petal/
5. pea flower/
6. wattle/
7. eucalypt/
8. daisy/
9. dandelion-daisy/
10. clustered/
11. other/
12. spikelet/

#41. <C> <175> flowers <arrangement>/

1. solitary/
2. aggregated <into inflorescences>/

#42. <C> <176> flowers in <inflorescence type>/

1. cymes/
2. racemes/
3. spikes/
4. heads/
5. umbels/
6. corymbs/
7. fascicles/
8. panicles/
9. verticils/
10. glomerules/
11. catkins/
12. <other - specify>/

#43. <plant sexuality>/

1. hermaphrodite <flowers bisexual, implicit>/
2. monoecious <separate male and female flowers on same plant>/
3. dioecious <plants with either all male or all female flowers>/
4. other <specify>/

#44. <186> <flowers> bracts <whether bracteate>/

1. present/
2. absent/

#45. <188> <flowers> bracteoles <whether bracteolate>/

1. present/
2. absent/

#46. <207> floral whorls <presence or absence of perianth>/

1. two distinct whorls <calyx and corolla>/
2. intergrading calyx to corolla/
3. one whorl only (calyx) = corolla absent/
4. one whorl only (corolla) = calyx absent/
5. one whorl of uncertain origin <floral whorl or perianth>/
6. two whorls of uncertain origin <perianth in monocots>/
7. vestigial <reduced to bracts, scales, bristles, hairs or lodicules>/
8. absent/

#47. <202> floral tube <presence>/

1. present/
2. absent <simpliciter>/

#48. <219> calyx <number of parts>/

or outer perianth

5

#49. <222> calyx <whether parts joined or free>/

1. free or almost so <polysepalous>/
2. of joined and free segments <partially gamosepalous>/
3. joined <gamosepalous>/

#50. calyx <length, mm>/  
mm long/

or outer perianth

2-2.5

#51. <236> corolla <number of parts>/

or inner perianth

5

segments/

- #52. <240> corolla <sup>or inner perianth</sup> <whether parts joined or free>/
1. free <or almost so> <polysepalous>/
  2. of joined and free segments <partially gamosepalous>/
  3. joined <gamosepalous>/

- #53. <246?> corolla <sup>or inner perianth</sup> <where segments joined, shape>/
1. rotate/
  2. 2-lipped/
  3. campanulate/
  4. tubular/
  5. urceolate/
  6. trumpet-like/
  7. spurred/
  8. ligulate/
  9. lobed/

- #54. <255?> petals <sup>or inner perianth</sup> <or corolla lobes, whether incised>/
1. deeply bifid/
  2. 2-lobed/
  3. fringed/
  4. entire/
  5. emarginate/
  6. several lobed/
  7. Other, specify

- #55. corolla <sup>or inner perianth</sup> <length, mm>/  
mm long/
- 6-8 <sup>lower</sup> ~~upper~~ petal lateral ~~lower~~ petals  
1-5-2-5

- #56. <271> stamens <fertile, number>/ 5

- #57. <269> staminodes <number>/ none

- #58. <265?> stamens <freedom>/

1. free/
2. fused/
3. some fused and some free/

- #59. stamens <insertion>/

1. opposite sepals/
2. opposite petals/
3. in continuous whorl/
4. on corolla tube/
5. in corolla throat/
6. free from corolla/

7. other, specify alternate with petals

- #60. <283?> anthers dehiscing <mechanism>/

1. by pores/
2. by vertical slits/
3. by transverse slits/
4. by valves/
5. <other, specify>/

- #61. <316> ovary <gynoeceium, constitution>/

1. monomerous <of a single carpel>/
2. apocarpous <of two or more free carpels>/
3. syncarpous <of two or more fused or partly fused carpels>/

#62. <318> ovary <position>/

1. superior/
2. partly inferior/
3. inferior/

#63. <326> ovary <locule number of syncarpous gynoecia>/  
locular/

#64. <333?> styles <number>/

#65. <336?> styles <insertion>/

1. apical/
2. lateral/
3. gynobasic/

#66. styles <whether simple or branched>/

1. simple/
2. branched/

#67. styles <number of branches>/  
branches/

#68. <?379, 381, 382> fruit <type>/

1. legume/
2. loment/
3. follicle/
4. achene/
5. samara/
6. nut/
7. drupe/
8. berry/
9. mericarps/
10. capsule/
11. silicule/
12. siliqua/
13. caryopsis/
14. <other, specify>/

#69. <?378, 380> fruit <whether dehiscent>/

1. dehiscent/
2. indehiscent/

#70. fruit <length, mm>/  
mm long/

ca 5mm

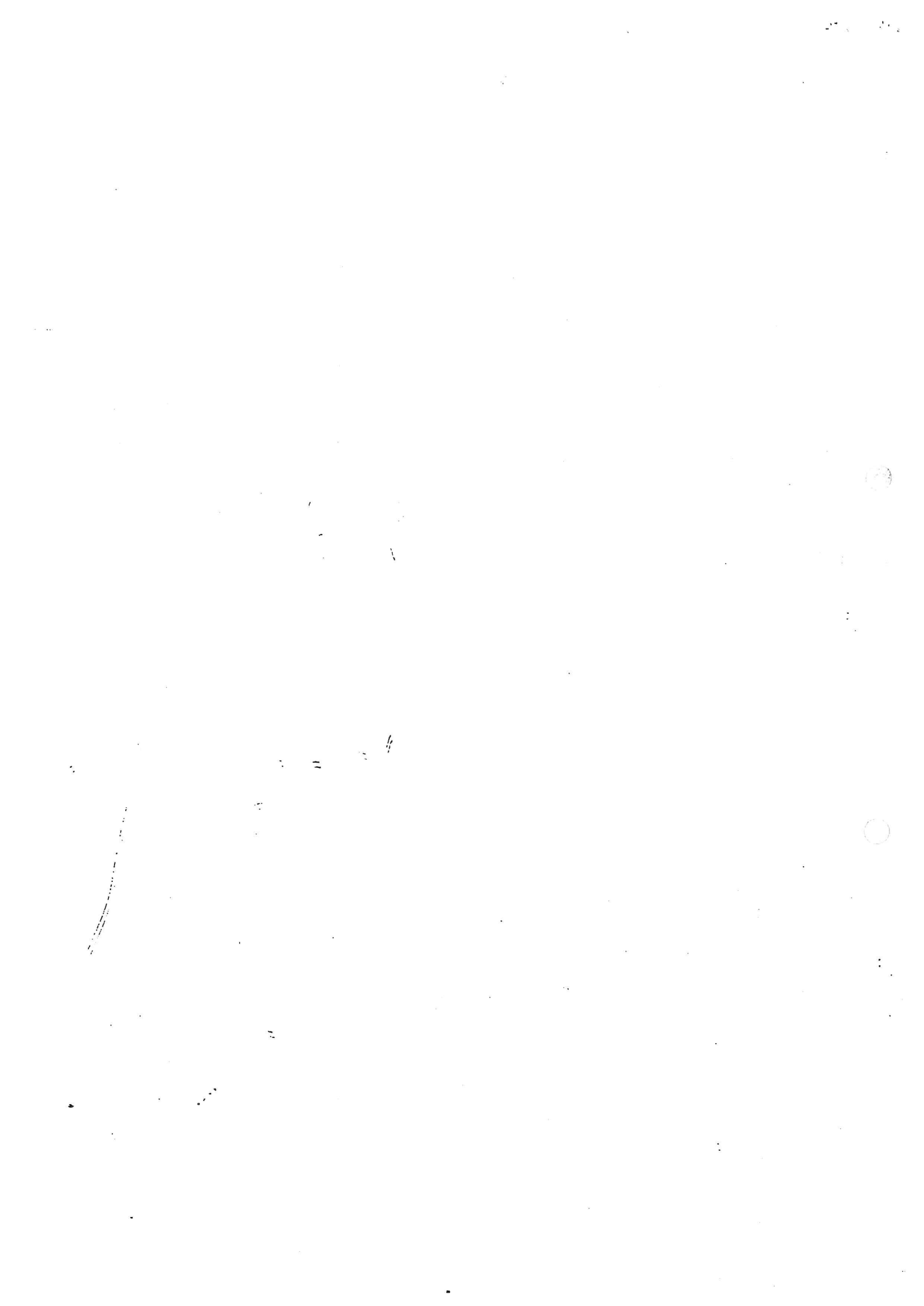
#71. fruit <width, mm>/  
mm wide/

#72. <text> <complete description, added only at completion of flora>/

Floral whorl or  
#73. [Perianth (no of parts)]

Floral whorl or  
#74. [Perianth (joined or free)]  
1. Free  
2. Joined

Floral whorl or  
#75. [Perianth (length, mm)]





\*SHOW: South West Flora Character List Revised 29 October 1993

\*CHARACTER LIST

#1. <supra group>/

1. fern/
2. cycad/
3. conifer/
4. monocot/
5. dicot/

#2. <origin> <whether native to SW region>/

1. native/
2. naturalised/

#3. <Beard subdistrict> <Western Australian South-west Province, Darling District>/

1. Dale Division/
2. Drummond Division/
3. Menzies Division/
4. Warren Division/

#4. <National Parks> <voucher specimens available>/

1. Leeuwin-Naturaliste/
2. Scott River/
3. D'entrecasteaux/
4. Beedelup/
5. Warren/
6. Shannon/
7. Mt Frankland/
8. Walpole-Nornalup/
9. William Bay/
10. West Cape Howe/
11. Torndirrup/

#5. <National Parks> <voucher specimens not available>/

1. Leeuwin-Naturaliste/
2. Scott River/
3. D'entrecasteaux/
4. Beedelup/
5. Warren/
6. Shannon/
7. Mt Frankland/
8. Walpole-Nornalup/
9. William Bay/
10. West Cape Howe/
11. Torndirrup/

#6. flowers <flowering period>/

1. January/
2. February/
3. March/
4. April/
5. May/
6. June/
7. July/
8. August/
9. September/

(winter & spring)

- 10. October/
- 11. November/
- 12. December/

## #7. &lt;vegetation type&gt;/

- 1. coastal heath/
- 2. swamp/
- 3. shrubland/
- 4. woodland/
- 5. karri forest/
- 6. jarrah forest/
- 7. other/
- 8. heath <not coastal>/
- 9. granite rocks/

10. Riverine  
11. Estuarine

(damp, disturbed)

## #8. &lt;text&gt; &lt;date&gt; compiled/

15 FEB 95

## #9. &lt;C&gt; &lt;S&gt; &lt;plant&gt; &lt;habit&gt;/

- 1. tree/
- 2. tree-like/
- 3. shrub/
- 4. climber/
- 5. herb/
- 6. grass-like/
- 7. <other, specify>/

8. Sedge or rush-like

## #10. &lt;19&gt; &lt;plant&gt; &lt;longevity in herbs&gt;/

- 1. annual/
- 2. biennial/
- 3. perennial/

#11. <C> <541> <plant> <height, m, including inflorescence>/  
m high/

0.06 - 0.25

## #12. &lt;29?&gt; &lt;plant&gt; &lt;whether aquatic or terrestrial&gt;/

- 1. aquatic <hydrophytic>/
- 2. terrestrial <implicit>/

## #13. &lt;30&gt; &lt;hydrophytic habit&gt;/

- 1. marine/
- 2. non-marine/

## #14. &lt;32&gt; leaves &lt;of rooted hydrophytes&gt; &lt;habit&gt;/

- 1. submerged/
- 2. emergent/
- 3. floating/

## #15. &lt;C&gt; &lt;12&gt; leaves &lt;including phyllodes, presence&gt;/

- 1. present <implicit>/
- 2. much reduced/
- 3. absent/

## #16. leaves &lt;whether fasciculate&gt;/

- 1. fasciculate/
- 2. not fasciculate <implicit>/

## #17. &lt;36&gt; leaves &lt;insertion, score "scattered; crowded" as U, with comment&gt;/

- 1. alternate/

2. opposite/
3. whorled/

#18. <37> leaves <phyllotaxy, when alternate>/

1. spiral/
2. distichous/
3. 4-ranked/
4. 3-ranked <tristichous>/

#19. leaves <opposite, whether decussate>/

1. decussate/
2. not decussate <implicit>/

#20. <64?> stipule <presence>/

1. present <well developed, leaves stipulate>/
2. absent <or much reduced, leaves exstipulate>/

#21. <42> leaves <whether petiolate>/

1. petiolate/
2. subsessile/
3. sessile/
4. perfoliate/

#22. <C> <542> leaves <total leaf length, mm>/  
mm long/

60-320

#23. <C> <543> leaves <total leaf width, mm>/  
mm wide/

20-70

#24. <C> <50> leaves <whether simple or compound>/

1. simple <implicit>/
2. compound/

#25. <56> <simple leaves> blade <dissection>/

1. dissected/
2. entire <apart from margin>/

#26. <simple leaves> <shape> <ref: Flora of the Perth Region>/

1. narrowly elliptic/
2. elliptic/
3. broadly elliptic/
4. circular elliptic/
5. transversely broadly elliptic/
6. transversely elliptic/
7. narrowly oblong/
8. oblong/
9. broadly oblong/
10. square/
11. transversely broadly oblong/
12. transversely oblong/
13. narrowly rhombic/
14. rhombic/
15. broadly rhombic/
16. quadrate/
17. transversely broadly rhombic/
18. transversely rhombic/
19. narrowly ovate/
20. ovate/

- 21. broadly ovate/
- 22. very broadly ovate/
- 23. depressed ovate/
- 24. narrowly obovate/
- 25. obovate/
- 26. broadly obovate/
- 27. very broadly obovate/
- 28. depressed obovate/
- 29. narrowly trullate/
- 30. trullate/
- 31. broadly trullate/
- 32. very broadly trullate/
- 33. depressed trullate/
- 34. narrowly obtrullate/
- 35. obtrullate/
- 36. broadly obtrullate/
- 37. very broadly obtrullate/
- 38. depressed obtrullate/
- 39. narrowly triangular/
- 40. triangular/
- 41. broadly triangular/
- 42. deltate/
- 43. shallowly triangular/
- 44. narrowly obtriangular/
- 45. obtriangular/
- 46. broadly obtriangular/
- 47. obdeltate/
- 48. shallowly obtriangular/
- 49. linear/
- 50. subulate/
- 51. <other - specify>/
- 52. filiform/

*(cordate at base)*

#27. <simple leaves> <whether twisted>/

- 1. twisted/
- 2. not twisted/

#28. <simple leaves> margins <whether ciliate>/

- 1. ciliate/
- 2. not ciliate/

#29. <39?> <leaves> blade <mature form>/

- 1. flat/
- 2. folded lengthwise/
- 3. concave/
- 4. convex/
- 5. involute/
- 6. revolute/
- 7. terete/
- 8. semi-terete/
- 9. 3-angled/
- 10. 4-angled/
- 11. compressed/

#30. <71?> <simple leaves> margins/

- 1. entire/
- 2. crenate/
- 3. serrate/

4. dentate/
5. denticulate/

6. spiny-toothed

#31. <542> <simple leaves> blade <length, mm>/  
mm long/

20-70

#32. <543> <simple leaves> blade <width, mm>/  
mm wide/

20-70

#33. <53> leaves <compound form>/

1. unifoliolate/
2. ternate/
3. pinnate/
4. palmate/
5. bipinnate/
6. multipinnate <multiply compound>/

7. other

#34. <compound leaves> <leaflet shape> <ref: Flora of the Perth Region>/

1. narrowly elliptic/
2. elliptic/
3. broadly elliptic/
4. circular elliptic/
5. transversely broadly elliptic/
6. transversely elliptic/
7. narrowly oblong/
8. oblong/
9. broadly oblong/
10. square/
11. transversely broadly oblong/
12. transversely oblong/
13. narrowly rhombic/
14. rhombic/
15. broadly rhombic/
16. quadrate/
17. transversely broadly rhombic/
18. transversely rhombic/
19. narrowly ovate/
20. ovate/
21. broadly ovate/
22. very broadly ovate/
23. depressed ovate/
24. narrowly obovate/
25. obovate/
26. broadly obovate/
27. very broadly obovate/
28. depressed obovate/
29. narrowly trullate/
30. trullate/
31. broadly trullate/
32. very broadly trullate/
33. depressed trullate/
34. narrowly obtrullate/
35. obtrullate/
36. broadly obtrullate/
37. very broadly obtrullate/
38. depressed obtrullate/
39. narrowly triangular/
40. triangular/

41. broadly triangular/
42. deltate/
43. shallowly triangular/
44. narrowly obtriangular/
45. obtriangular/
46. broadly obtriangular/
47. obdeltate/
48. shallowly obtriangular/
49. linear/
50. subulate/
51. <other - specify>/
52. filiform/

#35. <compound leaves> <leaflet> margin/

1. entire/
2. crenate/
3. serrate/
4. dentate/
5. denticulate/

6. spiny toothed

#36. <compound leaves> <leaflet margins> <whether ciliate>/

1. ciliate/
2. not ciliate/

#37. <544> <compound leaves> leaflet blade <ultimate length, mm>/  
mm long/

#38. <545> <compound leaves> leaflet blade <ultimate width, mm>/  
mm wide/

#39. <C> <546> flowers <overall inflorescence colour>/

1. green/
2. white/
3. cream/
4. yellow/
5. orange/
6. red/
7. pink/
8. purple/
9. violet/
10. blue/
11. brown/
12. black/
13. other/

#40. flowers <shape> <casual character>/

1. 3-petal/
2. 4-petal/
3. 5-petal/
4. 6-petal/
5. pea flower/
6. wattle/
7. eucalypt/
8. daisy/
9. dandelion-daisy/
10. clustered/
11. other/
12. spikelet/

#41. <C> <175> flowers <arrangement>/

1. solitary/
2. aggregated <into inflorescences>/

#42. <C> <176> flowers in <inflorescence type>/

1. cymes/
2. racemes/
3. spikes/
4. heads/
5. umbels/
6. corymbs/
7. fascicles/
8. panicles/
9. verticils/
10. glomerules/
11. catkins/
12. <other - specify>/

#43. <plant sexuality>/

1. hermaphrodite <flowers bisexual, implicit>/
2. monoecious <separate male and female flowers on same plant>/
3. dioecious <plants with either all male or all female flowers>/
4. other <specify>/

#44. <186> <flowers> bracts <whether bracteate>/

1. present/
2. absent/

#45. <188> <flowers> bracteoles <whether bracteolate>/

1. present/
2. absent/

#46. <207> floral whorls <presence or absence of perianth>/

1. two distinct whorls <calyx and corolla>/
2. intergrading calyx to corolla/
3. one whorl only (calyx) = corolla absent/
4. one whorl only (corolla) = calyx absent/
5. one whorl of uncertain origin <floral whorl or perianth>/
6. two whorls of uncertain origin <perianth in monocots>/
7. vestigial <reduced to bracts, scales, bristles, hairs or lodicules>/
8. absent/

#47. <202> floral tube <presence>/

1. present/
2. absent <implicit>/

#48. <219> calyx / number of parts/

5

#49. <222> calyx / whether parts joined or free/

1. free <or almost so> <polysepalous>/
2. of joined and free segments <partially gamosepalous>/
3. joined <gamosepalous>/

#50. calyx / length, mm/

5-6 mm

#51. <236> corolla / number of parts/

5

segments/

- #52. <240> corolla <sup>or inner perianth</sup> <whether parts joined or free>/  
 1. free <or almost so> <polysepalous>/  
 2. of joined and free segments <partially gamosepalous>/  
 3. joined <gamosepalous>/

- #53. <246?> corolla <sup>or inner perianth</sup> <where segments joined, shape>/  
 1. rotate/  
 2. 2-lipped/  
 3. campanulate/  
 4. tubular/  
 5. urceolate/  
 6. trumpet-like/  
 7. spurred/  
 8. ligulate/  
 9. lobed/

- #54. <255?> petals <sup>or inner perianth</sup> <or corolla lobes, whether incised>/  
 1. deeply bifid/  
 2. 2-lobed/  
 3. fringed/  
 4. entire/  
 5. emarginate/  
 6. several lobed/  
 7. <other, specify>

- #55. corolla <sup>or inner perianth</sup> <length, mm>/  
 mm long/ 12-17mm

- #56. <271> stamens <fertile, number>/ 5

- #57. <269> staminodes <number>/ none

- #58. <265?> stamens <freedom>/  
 1. free/  
 2. fused/  
 3. some fused and some free/

- #59. stamens <insertion>/  
 1. opposite sepals/  
 2. opposite petals/  
 3. in continuous whorl/  
 4. on corolla tube/  
 5. in corolla throat/  
 6. free from corolla/

7. other, specify (alternate with petals)

- #60. <283?> anthers dehiscing <mechanism>/  
 1. by pores/  
 2. by vertical slits/  
 3. by transverse slits/  
 4. by valves/  
 5. <other, specify>/

- #61. <316> ovary <gynoecium, constitution>/  
 1. monomerous <of a single carpel>/  
 2. apocarpous <of two or more free carpels>/  
 3. syncarpous <of two or more fused or partly fused carpels>/



#62. <318> ovary <position>/

1. superior/
2. partly inferior/
3. inferior/

#63. <326> ovary <locule number of syncarpous gynoecia>/  
locular/

#64. <333?> styles <number>/

#65. <336?> styles <insertion>/

1. apical/
2. lateral/
3. gynobasic/

#66. styles <whether simple or branched>/

1. simple/
2. branched/

#67. styles <number of branches>/  
branches/

#68. <?379, 381, 382> fruit <type>/

1. legume/
2. loment/
3. follicle/
4. achene/
5. samara/
6. nut/
7. drupe/
8. berry/
9. mericarps/
10. capsule/
11. silicule/
12. siliqua/
13. caryopsis/
14. <other, specify>/

#69. <?378, 380> fruit <whether dehiscent>/

1. dehiscent/
2. indehiscent/

#70. fruit <length, mm>/  
mm long/

#71. fruit <width, mm>/  
mm wide/

#72. <text> <complete description, added only at completion of flora>/

Floral whorl or

#73. [perianth <no of parts>

Floral whorl or

#74. [Perianth <joined or free>

1. Free
2. Joined

Floral whorl or

#75. [Perianth <length, mm>

