

*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/ *<disturbed areas>*
8. heath <not coastal>/
9. granite rocks/

10. Riverine

11. Estuarine

#8. <text> <date> compiled/ *12.1.94*

#9. <C> <5> <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/ *or*
2. biennial/
3. perennial/

#11. <C> <541> <plant> <height, m, including inflorescence>/
 m high/ *0-0.4*

#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/ <basal rosette>

#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 - 250

#23. <C> <543> leaves <total leaf width, mm>/
mm wide/ 3 - 40

#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/ b
- 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/

#31. <542> <simple leaves> blade <length, mm>/
mm long/ 20-250

#32. <543> <simple leaves> blade <width, mm>/
mm wide/ 3-40

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

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

#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/

#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/ *to*
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/ *or*
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 / or outer perianth
number of parts/ 4

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

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

#50. calyx / or outer perianth
length, mm>/

mm long/ 2-3

#51. <236> corolla / or inner perianth
number of parts/ 4

segments/

- #52. <240> corolla ^{or inner perianth} <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 ^{or inner perianth} <where segments joined, shape>/

1. rotate/
2. 2-lipped/
3. campanulate/
4. tubular/ ^{and}
5. urceolate/
6. trumpet-like/
7. spurred/
8. ligulate/
9. lobed/

- #54. <255?> petals ^{or inner perianth} <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 ^{or inner perianth} <length, mm>/
mm long/ 2.5-3

- #56. <271> stamens <fertile, number>/ 4

- #57. <269> staminodes <number>/ 0

- #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/

- #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/ 3

#64. <333?> styles <number>/ 1

#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/ <circumscissile>
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/ 2-2.5

#71. fruit <width, mm>/

mm wide/ 1.5

#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>

*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/

12.1.94

#9. <C> <5> <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 or
2. biennial/
3. perennial

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

0.2-0.7

0.4

#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/ *<basal rosette>*

#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/ *to*
- 2. ~~subsessile/~~
- 3. sessile/
- 4. perfoliate/

#22. <C> <542> leaves <total leaf length, mm>/
mm long/ *15 - 200*

#23. <C> <543> leaves <total leaf width, mm>/
mm wide/ *38 - 40*

#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/ *to*
- 2. elliptic/
- 3. broadly elliptic/
- 4. circular elliptic/
- 5. transversely broadly elliptic/
- 6. transversely elliptic/
- 7. narrowly oblong/
- 8. oblong/ *to*
- 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 (*sparsely*)
 5. denticulate/

#31. <542> <simple leaves> blade <length, mm>/
 mm long/ *10-150*

#32. <543> <simple leaves> blade <width, mm>/
 mm wide/ *3-40*

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

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

#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/

#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 ^{or outer perianth} <number of parts>/

#49. <222> calyx ^{or outer perianth} <whether parts joined or free>/

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

#50. calyx ^{or outer perianth} <length, mm>/
mm long/

#51. <236> corolla ^{or inner perianth} <number of parts>/

segments/

- #52. <240> corolla ^{or inner perianth} <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 ^{or inner perianth} <where segments joined, shape>/
1. rotate/
 2. 2-lipped/
 3. campanulate/
 4. tubular ^{and} /
 5. urceolate/
 6. trumpet-like/
 7. spurred/
 8. ligulate/
 9. lobed /
- #54. <255?> petals ^{or inner perianth} <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 ^{or inner perianth} <length, mm>/
- mm long/ ²⁻³
- #56. <271> stamens <fertile, number>/ ⁴
- #57. <269> staminodes <number>/ ⁰
- #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/
- #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/ 2

#64. <333?> styles <number>/ 1

#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/ <circumscissile>
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/ 1.5-3

#71. fruit <width, mm>/

mm wide/ 1-3

#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>

*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 / *<disturbed areas>*
 8. heath <not coastal>/
 9. granite rocks/

10. Riverine
 11. Estuarine

#8. <text> <date> compiled/ *12.1.94*

#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 / *or*
 2. biennial/
 3. perennial/

#11. <C> <541> <plant> <height, m, including inflorescence>/
 m high/ *0.2 - 1*

#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/ 50 - 550

#23. <C> <543> leaves <total leaf width, mm>/
mm wide/ 8 - 25

#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/ 10
- 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 / *<distantly>*
 5. denticulate/

#31. <542> <simple leaves> blade <length, mm>/
 mm long/ *30-250*

#32. <543> <simple leaves> blade <width, mm>/
 mm wide/ *8-25*

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

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

#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/

#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/ *h*
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/ *or*
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>/

or outer perianth
3 or 4 <apparently 3 with 2 sepals fused>

#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/

2-4

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

4

segments/

- #52. <240> corolla ^{or inner perianth} <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 ^{or inner perianth} <where segments joined, shape>/
1. rotate/
 2. 2-lipped/
 3. campanulate/
 4. tubular ^{and}/
 5. urceolate/
 6. trumpet-like/
 7. spurred/
 8. ligulate/
 9. lobed/
- #54. <255?> petals ^{or inner perianth} <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 ^{or inner perianth} <length, mm>/
- mm long/ 3-5
- #56. <271> stamens <fertile, number>/ 4
- #57. <269> staminodes <number>/ 0
- #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/
- #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/ 2

#64. <333?> styles <number>/ 1

#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/ (circumscissile)
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/ 3-4

#71. fruit <width, mm>/

mm wide/ 1.5-2

#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>

*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 *(disturbed areas)*
 8. heath <not coastal>/
 9. granite rocks/

10. Riverine
 11. Estuarine

#8. <text> <date> compiled/ 12.1.94

#9. <C> <5> <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/ 0-0.6

#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/ *<basal rosette>*

#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/ *70 - 550*

#23. <C> <543> leaves <total leaf width, mm>/
mm wide/ *25 - 130*

#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/ *to*

3. broadly elliptic/ *or*

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/ *to*

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/ *<sparsely>*
 5. denticulate/

#31. <542> <simple leaves> blade <length, mm>/
 mm long/ *40 - 250*

#32. <543> <simple leaves> blade <width, mm>/
 mm wide/ *25 - 130*

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

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

#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/

#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/ *to*
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 ^{or outer perianth} <number of parts>/

#49. <222> calyx ^{or outer perianth} <whether parts joined or free>/

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

#50. calyx ^{or outer perianth} <length, mm>/
mm long/

#51. <236> corolla ^{or inner perianth} <number of parts>/

segments/

- #52. <240> corolla ^{or inner perianth} <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 ^{or inner perianth} <where segments joined, shape>/
1. rotate/
 2. 2-lipped/
 3. campanulate/
 4. tubular and
 5. urceolate/
 6. trumpet-like/
 7. spurred/
 8. ligulate/
 9. lobed/

- #54. <255> petals ^{or inner perianth} <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 ^{or inner perianth} <length, mm>/
mm long/ 3-4.5

- #56. <271> stamens <fertile, number>/ 4

- #57. <269> staminodes <number>/ 0

- #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/

- #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/ 2

#64. <333?> styles <number>/ 1

#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. <7379, 381, 382> fruit <type>/

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

#69. <7378, 380> fruit <whether dehiscent>/

1. dehiscent/
2. indehiscent/

#70. fruit <length, mm>/

mm long/ 3-5.5

#71. fruit <width, mm>/

mm wide/ 1.5-3

#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>]

Plantago ? myosuros

*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 *sedge land*
- 8. heath <not coastal>/
- 9. granite rocks/

10. Riverine

11. Estuarine

#8. <text> <date> compiled/

#9. <C> <5> <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/ 0-0.2

#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/ <basal rosette>

#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. sessile/

3. sessile/

4. perfoliate/

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

mm long/ 45 - 80

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

mm wide/ 12 - 20

#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/ ov
2. crenate/
3. serrate/

4. dentate / *<distinctly>*
 5. denticulate/

#31. <542> <simple leaves> blade <length, mm>/
 mm long/ *35-70*

#32. <543> <simple leaves> blade <width, mm>/
 mm wide/ *12-20*

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

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

#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/

#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/ *h*
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>/

or outer perianth
4

#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/ 2-3

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

or inner perianth
4

segments/

- #52. <240> corolla ^{or inner perianth} <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 ^{or inner perianth} <where segments joined, shape>/
1. rotate/
 2. 2-lipped/
 3. campanulate/
 4. tubular and
 5. urceolate/
 6. trumpet-like/
 7. spurred/
 8. ligulate/
 9. lobed/

- #54. <255> petals ^{or inner perianth} <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 ^{or inner perianth} <length, mm>/
- mm long/ 4-5

- #56. <271> stamens <fertile, number>/ 4

- #57. <269> staminodes <number>/ 0

- #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/

- #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/ 2

#64. <333?> styles <number>/ 1

#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/ (circumscissile)
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/ 3

#71. fruit <width, mm>/

mm wide/ 1.5

#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>

11

11

11

11

11

11

11

*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 vegetation/
- 11. estuarine vegetation/

distributed areas

#8. <text> <date> compiled/ *9.9.97*

#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/

or

#11. <C> <541> <plant> <height, m, including inflorescence>/
m high/ *0-0.02*

#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/ **8-35**

#23. <C> <543> leaves <total leaf width, mm>/
mm wide/ ~~3-20~~ **6.5-27**

#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/ **b**
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/ 8-30

#32. <543> <simple leaves> blade <width, mm>/
mm wide/ 6.5-27

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

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

#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/ *<with yellow & purplish tinges>*
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/ *or*
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> *(loose clusters)*

#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/ *(leaf-like)*
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/ *or outer perianth* <number of parts>/ *5*

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

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

3. joined <gamosepalous>/
or outer perianth
- #50. calyx <length, mm>/ *ca 3.5*
 mm long/
- #51. <236> corolla <number of parts>/ *5*
or inner perianth
 segments/
- #52. <240> corolla <whether parts joined or free>/
 1. free <or almost so> <polysepalous>/
 2. of joined and free segments <partially gamosepalous>/
 3. joined <gamosepalous>/
or inner perianth
- #53. <246?> corolla <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 <or corolla lobes, whether incised>/
or inner perianth
 1. deeply bifid/
 2. 2-lobed/
 3. fringed/
 4. entire/
 5. emarginate/
 6. several lobed/
 7. <other - specify>/
- #55. corolla <length, mm>/ *8-12*
 mm long/
- #56. <271> stamens <fertile, number>/ *4*
- #57. <269> staminodes <number>/ *0*
- #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. <other - specify>/
- #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 (currently includes
 carpel number of apocarpous gynoecia)>/
 locular/ 2
- #64. <333?> styles <number>/ 1
- #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>/
- #73. floral whorl or perianth <no. of parts>/

#74. floral whorl or perianth <whether free or joined>/

1. free/
2. joined/

#75. floral whorl or perianth <length, mm>/
mm long/

#76. stamens <insertion when perianth fused>/

1. on perianth tube <below level of lobes or top of fused section>/
2. in perianth throat <above fused section>/
3. free from perianth/