

*CHARACTER LIST

SAPINDACEAE

#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/

11. November/
12. December/

#7. <vegetation type>/

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

10. Riverine
11. Estuarine

#8. <text> <date> compiled/ 8 NOV 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/
2. biennial/
3. perennial/

#11. <C> <541> <plant> <height, m, including inflorescence>/
m high/ 0.3-3.5m

#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. <647> 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/ 24-75

#23. <C> <543> leaves <total leaf width, mm>/
mm wide/ 10-32

#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. quadrated/
- 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/

} (rarely)

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

1. twisted/
2. not twisted/

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

1. ciliate/
2. not ciliate/

#29. <397> <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/ 22-65 mm

#32. <543> <simple leaves> blade <width, mm>/
mm wide/ 10-32 mm

- #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. quadrangle/
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 obtusate/
35. obtusate/
36. broadly obtusate/
37. very broadly obtusate/
38. depressed obtusate/
39. narrowly triangular/
40. triangular/

- 41. broadly triangular/
- 42. deltate/
- 43. shallowly triangular/
- 44. narrowly obtriangular/
- 45. obtriangular/
- 46. broadly obtriangular/
- 47. obovate/
- 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/

(fruits)

#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/ (or clusters)
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

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/

2.5 - 3mm

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

or inner perianth

- #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/
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/ 7. <other, specify>
3. fringed/
4. entire/
5. emarginate/
6. several lobed/

- #55. corolla ^{or inner perianth} <length, mm>/
mm long/

- #56. <271> stamens <ferile, number>/ 8

- #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/

- #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/ 4

#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/ 4

#68. <7379, 381, 382> fruit <type>/

- 1. legume/
- 2. loment/
- 3. follicle/
- 4. achene/
- 5. samara/
- 6. nut/
- 7. drupe/
- 8. berry/
- 9. mericarp/
- 10. capsule/
- 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/

5-7

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

6-8

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

Floral whorl on

#73. [perianth (no of parts)]

Floral whorl of

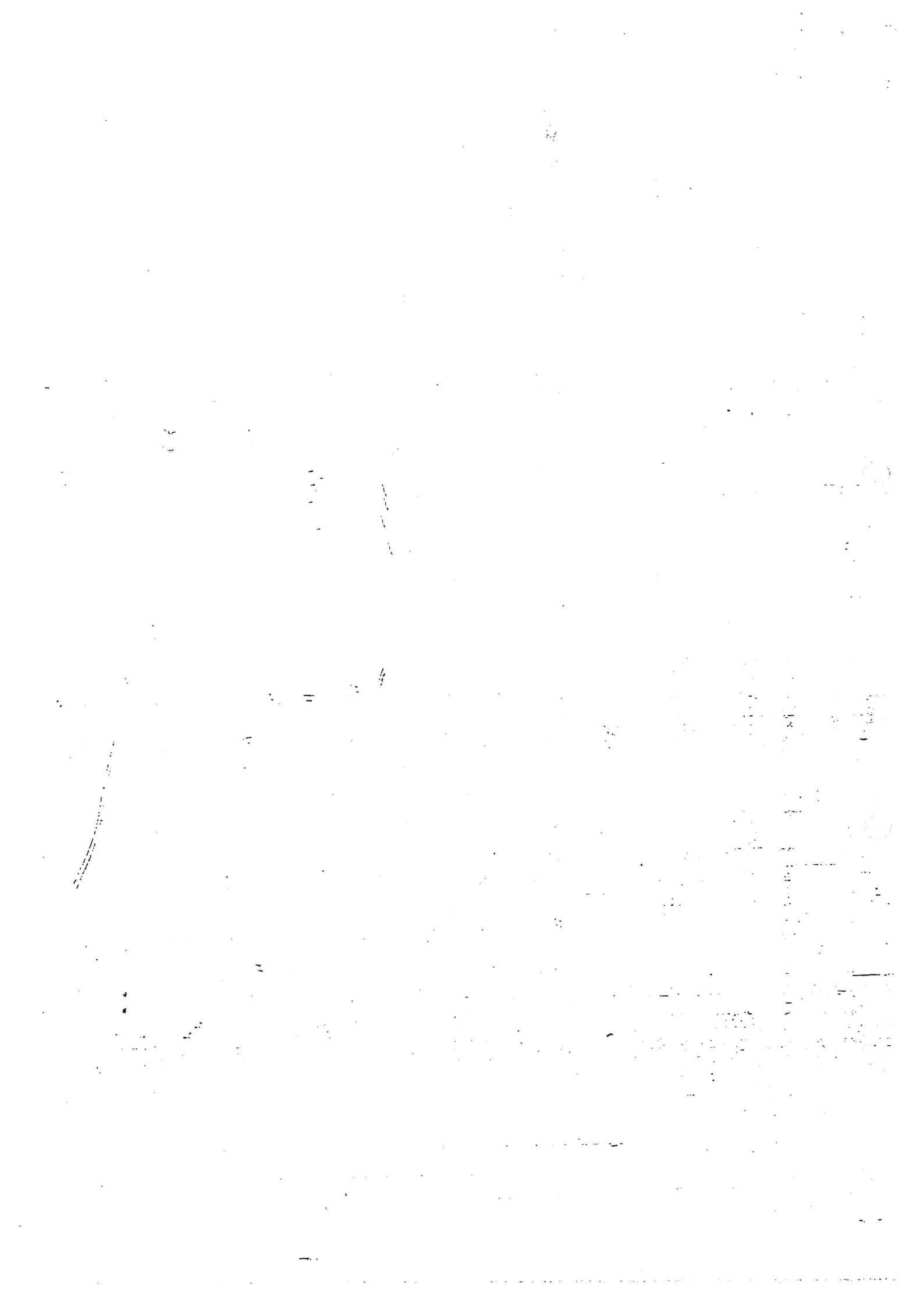
#74. [perianth (joined or free)]

1. Free

2. Joined

Floral whorl of

#75. [perianth (length, mm)]



Dodonaea viscosa

Jacq

SAPINDACEAE

*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/

- 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/

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

- 1. tree/ or
- 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/ 2-4m (occasionally taller)

#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. <647> 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. <542> leaves <total leaf length, mm>/
mm long/ 30 - 95 mm

#23. <543> leaves <total leaf width, mm>/
mm wide/ 1 - 6 mm

#24. <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. quadrat/
17. transversely broadly rhombic/
18. transversely rhombic/
19. narrowly ovate/
20. 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/ 30-45

#32. <543> <simple leaves> blade <width, mm>/
mm wide/ 1-6

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

1. unifoliolate/
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 obtullate/
35. obtullate/
36. broadly obtullate/
37. very broadly obtullate/
38. depressed obtullate/
39. narrowly triangular/
40. 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/ to

2. white/

3. cream/

4. yellow/ flowers

5. orange/

6. red/

7. pink/ to

8. purple/

9. violet/

10. blue/

11. brown/ fruit

12. black/

13. other/

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

1. 3-petal/ or

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>/

3 or 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>/

1.5 - 3 mm

mm long/

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

- #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/
5. urceolate/
6. trumpet-like/
7. spurred/
8. ligulate/
9. lobed/

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

- #55. corolla ^{or inner perianth} <length, mm>/
mm long/

- #56. <271> stamens <fertile, number>/ 6-10 (usually 8)

- #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/

- #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 or 4

#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/ 3 or 4

#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/
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/

8.5 - 28 mm

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

11 - 28 mm

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

Floral whorl on

#73. [perianth <no of parts>

Floral whorl of

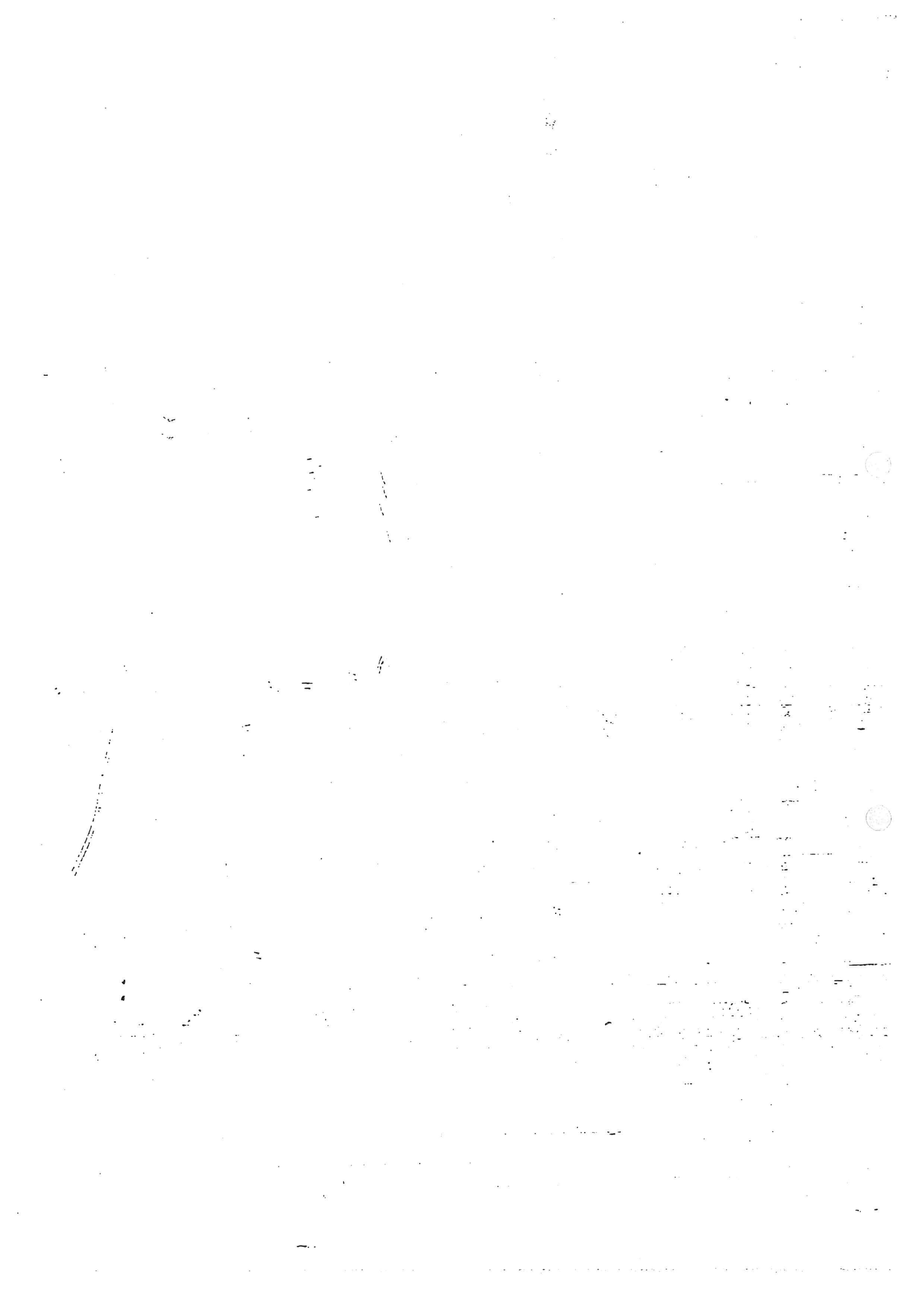
#74. [perianth <joined or free>

1. Free

2. Joined

Floral whorl of

#75. [perianth <length, mm>



CHARACTER LIST

SAPINDACEAE

- #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. Tomdirrup/
- #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. Tomdirrup/
- #6. flowers <flowering period>/
1. January/
 2. February/
 3. March/
 4. April/
 5. May/
 6. June/
 7. July/
 8. August/
 9. September/
- (mainly)

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/
- (usually on granite)
10. Riverine
 11. Estuarine

#8. <text> <date> compiled/

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#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/

0.3 - 2.5m

#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. <O> <542> leaves <total leaf length, mm>/
mm long/ 14-56 ~~28~~

#23. <O> <543> leaves <total leaf width, mm>/
mm wide/ 3-12

#24. <O> <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 elliptical/
2. elliptical/
3. broadly elliptical/
4. circular elliptical/
5. transversely broadly elliptical/
6. transversely elliptical/
7. narrowly oblong/
8. oblong/
9. broadly oblong/
10. square/
11. transversely broadly oblong/
12. transversely oblong/
13. narrowly rhombical/
14. rhombical/
15. broadly rhombical/
16. quadrated/
17. transversely broadly rhombical/
18. transversely rhombical/
19. narrowly ovate/
20. 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/

with

2. folded lengthwise/

3. concave/

4. convex/

5. involute/

6. revolute/

(margins)

7. terete/

8. semi-terete/

9. 3-angled/

10. 4-angled/

11. compressed/

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

1. entire/

2. crenate/

3. serrate/

7. ~~dentate~~
5. denticulate/

#31. <542> <simple leaves> blade <length, mm>/
mm long/ 14-56

#32. <543> <simple leaves> blade <width, mm>/
mm wide/ 3-12

#33. <53> leaves <compound form>/
1. unifoliolate/
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 obtusulate/
35. obtusulate/
36. broadly obtusulate/
37. very broadly obtusulate/
38. depressed obtusulate/
39. narrowly triangular/
40. 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/ to
- 2. white/
- 3. cream/
- 4. yellow/ with
- 5. orange/
- 6. red/ (styles) =
- 7. pink/
- 8. purple/ to
- 9. violet/
- 10. blue/
- 11. brown/ (fruit)
- 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/ *(or clusters. 3-4 flowered)*
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 / **2-3-5mm**
mm long /

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

- #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/
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/ T. <other, specify>
3. fringed/
4. entire/
5. emarginate/
6. several lobed/

- #55. corolla ^{or inner perianth} <length, mm>/
mm long/

- #56. <271> stamens <fertile, number>/ 8

- #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/

- #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/ 4 (or rarely 3)

#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/ 4

#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. siliquat
13. caryopsis/
14. <other., specify>/

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

1. dehiscent/
2. indehiscent/

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

5-7mm

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

6-8mm

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

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

#74. [Floral whorl or
perianth (joined or free)]

1. Free
2. Joined

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

