

Billardiera candida  
(Heugel ex Endl) E. Bennett

PITTOSPORACEAE

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

\*CHARACTER LIST

ms 16/11

#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/

#8. <text> <date> compiled/ <1 NOV 93>

#9. <C> <5> <plant> <habit>/

1. tree/

2. tree-like/

3. shrub/

4. climber/

5. herb/

6. grass-like/

7. <other, specify>/

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

1. annual/

2. biennial/

3. perennial/

not needed  
as not a herb

#11. <C> <541> <plant> <height, m, including inflorescence>/  
m high/ 3m

#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/ 25-90

#23. <C> <543> leaves <total leaf width, mm>/  
mm wide/ 2-21

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

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

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

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

1. twisted/
2. not twisted/

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

1. ciliate/
2. not ciliate/

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

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

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

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

4. dentate/
5. denticulate/

#31. <542> <simple leaves> blade <length, mm>/  
mm long/ 25-90

#32. <543> <simple leaves> blade <width, mm>/  
mm wide/ ~~2-21~~ 2-21.

#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 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>/ [petals cohering and appearing floral-tube-like]
- #48. <219> calyx <number of parts>/ 5
- #49. <222> calyx <whether parts joined or free>/  
 1. free <or almost so> <polysepalous>/  
 2. of joined and free segments <partially gamosepalous>/  
 3. joined <gamosepalous>/
- #50. calyx <length, mm>/ 3-6mm  
 mm long/
- #51. <236> corolla <number of parts>/ 5

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>/

*[cohering for part of length.]*

#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>/

1. deeply bifid/
2. 2-lobed/
3. fringed/
4. entire/
5. emarginate/
6. several lobed/

#55. corolla <length, mm>/

mm long/ *10-20mm*

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

#57. <269> staminodes <number>/ *nil*

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

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

#59. stamens <insertion>/

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

*[alternate with petals]*

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

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

#61. <316> ovary <gynoecium, constitution>/

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



#62. <318> ovary <position>/

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

#63. <326> ovary <locule number of syncarpous gynoecia>/  
locular/ 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/ 10-12mm

#71. fruit <width, mm>/

mm wide/ ca 5mm

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



JMS 16/11

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

\*CHARACTER LIST

#1. <supra group>/

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

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

1. native/
2. naturalised/

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

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

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

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

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

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

#6. flowers <flowering period>/

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

10. October/

11. November/

12. December/

#7. <vegetation type>/

1. coastal heath/

2. swamp/

3. shrubland/

4. woodland/

5. karri forest/

6. jarrah forest/

7. other/

8. heath <not coastal>/

9. granite rocks/

[along watercourses]

#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>/

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

1. annual/

2. biennial/

3. perennial/

#11. <C> <541> <plant> <height, m, including inflorescence>/  
m high/ 0.5-2.4m

#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/ 30-100mm

#23. <C> <543> leaves <total leaf width, mm>/  
mm wide/ 5-25

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

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

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

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

1. twisted/

2. not twisted/

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

1. ciliate/

2. not ciliate/

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

1. flat/

2. folded lengthwise/

3. concave/

4. convex/

5. involute/

6. revolute/

7. terete/

8. semi-terete/

9. 3-angled/

10. 4-angled/

11. compressed/

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

1. entire/

2. crenate/

3. serrate/

*{dentate in very young plants}*

- 4. dentate/
- 5. denticulate/

#31. <542> <simple leaves> blade <length, mm>/  
mm long/ 25-80

#32. <543> <simple leaves> blade <width, mm>/  
mm wide/ 5-25 mm

#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 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>/ {Flowers appearing tubular due to petals cohering.}
- #48. <219> calyx <number of parts>/ 5
- #49. <222> calyx <whether parts joined or free>/  
 1. free <or almost so> <polysepalous>/  
 2. of joined and free segments <partially gamosepalous>/  
 3. joined <gamosepalous>/
- #50. calyx <length, mm>/  
 mm long/ ca 3mm
- #51. <236> corolla <number of parts>/ 5

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>/

*[appearing joined]*

#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>/

1. deeply bifid/
2. 2-lobed/
3. fringed/
4. entire/
5. emarginate/
6. several lobed/

#55. corolla <length, mm>/

mm long/ *15-25mm*

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

#57. <269> staminodes <number>/ *N.I*

#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/

*[Alternate with petals]*

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

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

#61. <316> ovary <gynoecium, constitution>/

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

#62. <318> ovary <position>/

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

#63. <326> ovary <locule number of syncarpous gynoecia>/  
locular/ 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>/ 10-15mm  
mm long/

#71. fruit <width, mm>/  
mm wide/ 5mm.

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



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

\*CHARACTER LIST

#1. <supra group>/

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

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

1. native/
2. naturalised/

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

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

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

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

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

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

#6. flowers <flowering period>/

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

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

#7. <vegetation type>/

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

#8. <text> <date> compiled/ 3 NOV 93

#9. <C> <5> <plant> <habit>/

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

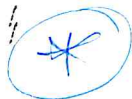
#10. <19> <plant> <longevity in herbs>/

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

#11. <C> <541> <plant> <height, m, including inflorescence>/  
m high/ 0-5-3m.

#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/ 60-150mm

#23. <C> <543> leaves <total leaf width, mm>/  
mm wide/ 5-52mm

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

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

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

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

1. twisted/

2. not twisted/

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

1. ciliate/

2. not ciliate/

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

1. flat/

2. folded lengthwise/

3. concave/

4. convex/

5. involute/

6. revolute/

7. terete/

8. semi-terete/

9. 3-angled/

10. 4-angled/

11. compressed/

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

1. entire/

2. crenate/

3. serrate/



- 4. dentate/
  - 5. denticulate/
- #31. <542> <simple leaves> blade <length, mm>/  
mm long/ 60-150mm
- #32. <543> <simple leaves> blade <width, mm>/  
mm wide/ 5-52mm
- #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 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/ [occasionally present]  
 2. absent/
- #45. <188> <flowers> bracteoles <whether bracteolate>/  
 1. present/ [occasionally 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>/ [Petals coherent, appearing tubelike]
- #48. <219> calyx <number of parts>/ 5
- #49. <222> calyx <whether parts joined or free>/  
 1. free <or almost so> <polysepalous>/  
 2. of joined and free segments <partially gamosepalous>/  
 3. joined <gamosepalous>/
- #50. calyx <length, mm>/ 6-8mm  
 mm long/
- #51. <236> corolla <number of parts>/ 5

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>/

*[Coherent, appearing joined]*

#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>/

1. deeply bifid/
2. 2-lobed/
3. fringed/
4. entire/
5. emarginate/
6. several lobed/

#55. corolla <length, mm>/

mm long/ *15-21mm*

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

#57. <269> staminodes <number>/ *nil*

#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/

*[alternate with petals]*

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

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

#61. <316> ovary <gynoecium, constitution>/

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

#62. <318> ovary <position>/

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

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

locular/ 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/

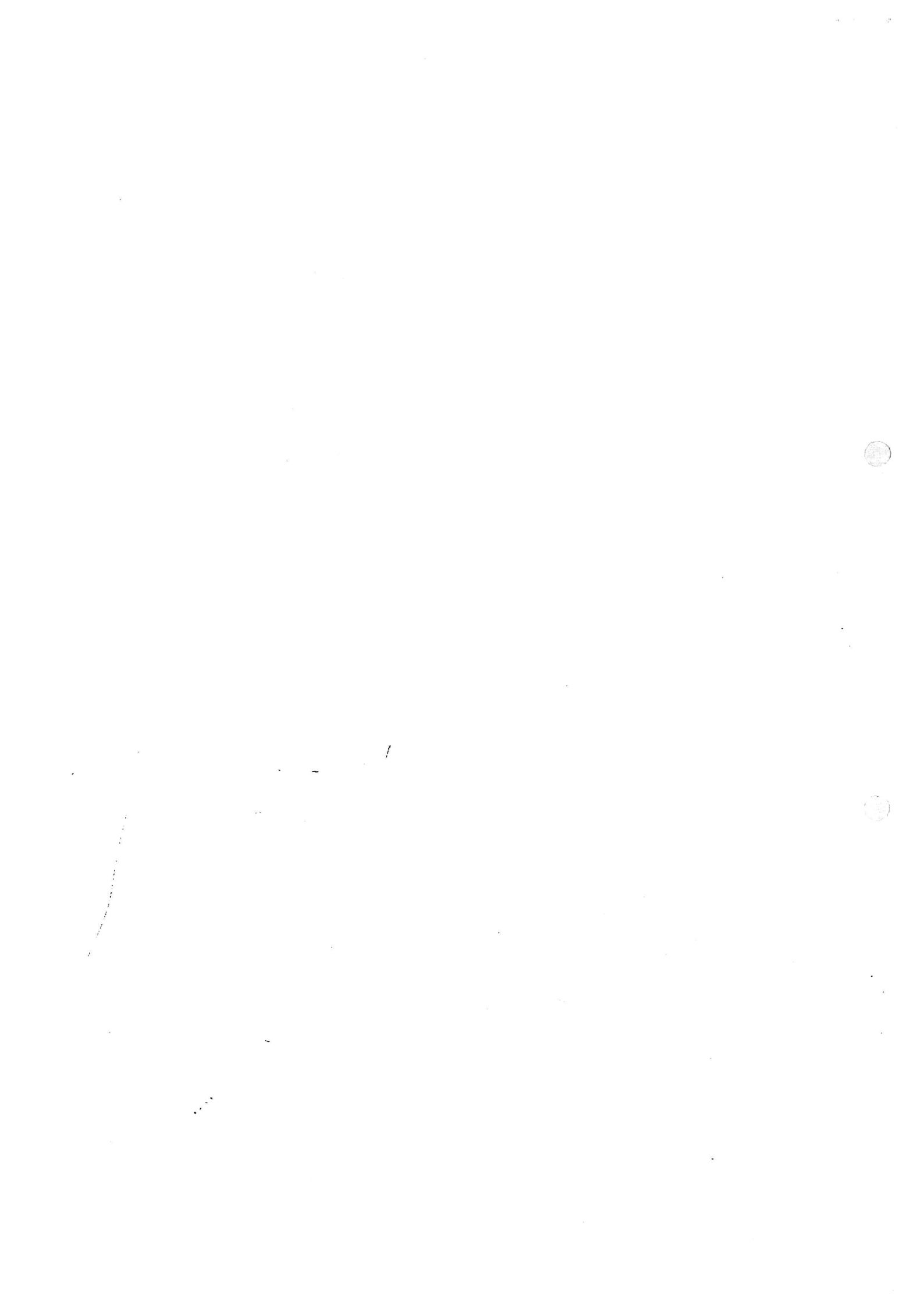
#70. fruit <length, mm>/

mm long/ ca 25 mm

#71. fruit <width, mm>/

mm wide/ ca 7 mm

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



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

\*CHARACTER LIST

#1. <supra group>/

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

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

1. native/
2. naturalised/

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

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

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

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

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

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

#6. flowers <flowering period>/

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

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

#7. <vegetation type>/

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

#8. <text> <date> compiled/ 3 NOV 93

#9. <C> <5> <plant> <habit>/

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

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

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

#11. <C> <541> <plant> <height, m, including inflorescence>/  
m high/ 0.5m

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

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

#13. <30> <hydrophytic habit>/

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

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

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

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

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

#16. leaves <whether fasciculate>/

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

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

- 1. alternate/



2. opposite/  
3. whorled/
- #18. <37> leaves <phyllotaxy, when alternate>/  
1. spiral/  
2. distichous/  
3. 4-ranked/  
4. 3-ranked <tristichous>/
- #19. leaves <opposite, whether decussate>/  
1. decussate/  
2. not decussate <implicit>/
- #20. <64?> stipule <presence>/  
1. present <well developed, leaves stipulate>/  
2. absent <or much reduced, leaves exstipulate>/
- #21. <42> leaves <whether petiolate>/  
1. petiolate/  
2. subsessile/  
3. sessile/  
4. perfoliate/
- #22. <C> <542> leaves <total leaf length, mm>/  
mm long/ 5-25
- #23. <C> <543> leaves <total leaf width, mm>/  
mm wide/ 2-6
- #24. <C> <50> leaves <whether simple or compound>/  
1. simple <implicit>/  
2. compound/
- #25. <56> <simple leaves> blade <dissection>/  
1. dissected/  
2. entire <apart from margin>/
- #26. <compound leaves> <shape> <ref: Flora of the Perth Region>/  
1. narrowly elliptic/  
2. elliptic/  
3. broadly elliptic/  
4. circular elliptic/  
5. transversely broadly elliptic/  
6. transversely elliptic/  
7. narrowly oblong/  
8. oblong/  
9. broadly oblong/  
10. square/  
11. transversely broadly oblong/  
12. transversely oblong/  
13. narrowly rhombic/  
14. rhombic/  
15. broadly rhombic/  
16. quadrate/  
17. transversely broadly rhombic/  
18. transversely rhombic/  
19. narrowly ovate/  
20. ovate/

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

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

1. twisted/

2. not twisted/

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

1. ciliate/

2. not ciliate/

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

1. flat/

2. folded lengthwise/

3. concave/

4. convex/

5. involute/

6. revolute/

7. terete/

8. semi-terete/

9. 3-angled/

10. 4-angled/

11. compressed/

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

1. entire/

2. crenate/

3. serrate/

4. dentate/ [occasionally on new growth]

5. denticulate/

#31. <542> <simple leaves> blade <length, mm>/  
mm long/ 5-25mm

#32. <543> <simple leaves> blade <width, mm>/  
mm wide/ 2-6mm

#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 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/ [sometimes]  
 2. absent/
- #45. <188> <flowers> bracteoles <whether bracteolate>/  
 1. present/ [sometimes]  
 2. absent/
- #46. <207?> floral whorls <presence or absence of perianth>/  
 1. two distinct whorls <calyx and corolla>/  
 2. intergrading calyx to corolla/  
 3. one whorl only (calyx) - corolla absent/  
 4. one whorl only (corolla) - calyx absent/  
 5. one whorl of uncertain origin <floral whorl or perianth>/  
 6. two whorls of uncertain origin <perianth in monocots>/  
 7. vestigial <reduced to bracts, scales, bristles, hairs or lodicules>/  
 8. absent/
- #47. <202> floral tube <presence>/  
 1. present/  
 2. absent <implicit>/
- #48. <219> calyx <number of parts>/ 5
- #49. <222> calyx <whether parts joined or free>/  
 1. free <or almost so> <polysepalous>/  
 2. of joined and free segments <partially gamosepalous>/  
 3. joined <gamosepalous>/
- #50. calyx <length, mm>/  
 mm long/ 3-5mm
- #51. <236> corolla <number of parts>/ 5

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>/

#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>/

1. deeply bifid/
2. 2-lobed/
3. fringed/
4. entire/
5. emarginate/
6. several lobed/

#55. corolla <length, mm>/  
mm long/ 8-11mm

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

#57. <269> staminodes <number>/ nil

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

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

#59. stamens <insertion>/

1. opposite sepals/ {alternate with petals}
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>/ |

#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>/





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

\*CHARACTER LIST

#1. <supra group>/

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

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

1. native/
2. naturalised/

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

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

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

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

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

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

#6. flowers <flowering period>/

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

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

#7. <vegetation type>/

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

#8. <text> <date> compiled/ 1 NOV 93

#9. <C> <5> <plant> <habit>/

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

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

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

#11. <C> <541> <plant> <height, m, including inflorescence>/  
m high/ 0.5-2m

#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/ 30-40

#23. <C> <543> leaves <total leaf width, mm>/  
mm wide/ 7-10

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

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

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

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

1. twisted/

2. not twisted/

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

1. ciliate/

2. not ciliate/

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

1. flat/

2. folded lengthwise/

3. concave/

4. convex/

5. involute/

6. revolute/

7. terete/

8. semi-terete/

9. 3-angled/

10. 4-angled/

11. compressed/

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

1. entire/

2. crenate/

3. serrate/

- 4, dentate/
- 5. denticulate/

#31. <542> <simple leaves> blade <length, mm>/  
mm long/ 30-35

#32. <543> <simple leaves> blade <width, mm>/  
mm wide/ 7-10

#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 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>/

*[Appearing tubelike as petals cohere for part of their length]*

#48. <219> calyx <number of parts>/ 5

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

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

#50. calyx <length, mm>/

mm long/ 4-6mm

#51. <236> corolla <number of parts>/ 5

segments/

- #52. <240> corolla <whether parts joined or free>/ *[Sometimes appearing joined]*
1. free <or almost so> <polysepalous>/
  2. of joined and free segments <partially gamosepalous>/
  3. joined <gamosepalous>/
- #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>/
1. deeply bifid/
  2. 2-lobed/
  3. fringed/
  4. entire/
  5. emarginate/
  6. several lobed/
- #55. corolla <length, mm>/  
mm long/ *9-11mm*
- #56. <271> stamens <fertile, number>/ *5*
- #57. <269> staminodes <number>/ *nil*
- #58. <265?> stamens <freedom>/
1. free/
  2. fused/
  3. some fused and some free/
- #59. stamens <insertion>/ *[alternate with petals]*
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> ovarv <gynoecium, constitution>/
- i. 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/
11. silicule/
12. siliqua/
13. caryopsis/
14. <other, specify>/

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

1. dehiscent/
2. indehiscent/

#70. fruit <length, mm>/ 8mm  
mm long/

#71. fruit <width, mm>/ 5mm  
mm wide/

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



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

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\*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/

#8. <text> <date> compiled/ 3 NOV 93

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

- #10. <19> <plant> <longevity in herbs>/
- 1. annual/
  - 2. biennial/
  - 3. perennial/
- not needed, not a habit*

#11. <C> <541> <plant> <height, m, including inflorescence>/  
m high/ 0.5 - 1.5

- #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. sessile/  
3. sessile/  
4. perfoliate/
- #22. <C> <542> leaves <total leaf length, mm>/  
mm long/ 20-85 mm
- #23. <C> <543> leaves <total leaf width, mm>/  
mm wide/ 3-5 mm
- #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. <compound leaves> <shape> <ref: Flora of the Perth Region>/  
1. narrowly elliptic/  
2. elliptic/  
3. broadly elliptic/  
4. circular elliptic/  
5. transversely broadly elliptic/  
6. transversely elliptic/  
7. narrowly oblong/  
8. oblong/  
9. broadly oblong/  
10. square/  
11. transversely broadly oblong/  
12. transversely oblong/  
13. narrowly rhombic/  
14. rhombic/  
15. broadly rhombic/  
16. quadrate/  
17. transversely broadly rhombic/  
18. transversely rhombic/  
19. narrowly ovate/  
20. ovate/

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

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

1. twisted/
2. not twisted/

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

1. ciliate/
2. not ciliate/

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

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

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

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

- 4. dentate/
- 5. denticulate/

#31. <542> <simple leaves> blade <length, mm>/  
mm long/ 20-85 mm

#32. <543> <simple leaves> blade <width, mm>/  
mm wide/ 3-5 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. 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 <number of parts>/ 5
- #49. <222> calyx <whether parts joined or free>/  
 1. free <or almost so> <polysepalous>/  
 2. of joined and free segments <partially gamosepalous>/  
 3. joined <gamosepalous>/
- #50. calyx <length, mm>/  
 mm long/ 2-3mm
- #51. <236> corolla <number of parts>/ 5

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>/

#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>/

1. deeply bifid/
2. 2-lobed/
3. fringed/
4. entire/
5. emarginate/
6. several lobed/

#55. corolla <length, mm>/  
mm long/ 10-15mm

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

#57. <269> staminodes <number>/ nil

#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/

{alternate with petals}

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

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

#61. <316> ovary <gynoecium, constitution>/

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

#62. <318> ovary <position>/

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

#63. <326> ovary <locule number of syncarpous gynoecia>/  
locular/ 2

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

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

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

#66. styles <whether simple or branched>/

1. simple/
2. branched/

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

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

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

[not known].

<not known>

U <not known?>

#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>/



ms 22/11

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

\*CHARACTER LIST

#1. <supra group>/

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

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

1. native/
2. naturalised/

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

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

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

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

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

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

#6. flowers <flowering period>/

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

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

#7. <vegetation type>/

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

#8. <text> <date> compiled/ 1 NOV 93

#9. <C> <5> <plant> <habit>/

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

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

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

#11. <C> <541> <plant> <height, m, including inflorescence>/  
m high/ 0.5-2m

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

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

#13. <30> <hydrophytic habit>/

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

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

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

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

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

#16. leaves <whether fasciculate>/

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

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

- 1. alternate/

- 2. opposite/
- 3. whorled/

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

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

#19. leaves <opposite, whether decussate>/

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

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

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

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

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

#22. <C> <542> leaves <total leaf length, mm>/  
mm long/ 10-35mm

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

#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>/

[coarsely toothed in young growth + regrowth]

#26. <compound 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/

[both]

#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/ 10-35 mm

#32. <543> <simple leaves> blade <width, mm>/  
mm wide/ 2-6 mm

#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 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>/ *[Appearing tubelike as petals adhere for part of their length]*
- #48. <219> calyx <number of parts>/ 5
- #49. <222> calyx <whether parts joined or free>/  
 1. free <or almost so> <polysepalous>/  
 2. of joined and free segments <partially gamosepalous>/  
 3. joined <gamosepalous>/
- #50. calyx <length, mm>/  
 mm long/ 5-10mm
- #51. <236> corolla <number of parts>/ 5

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>/

*[cohering for parts of length]*

#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>/

1. deeply bifid/
2. 2-lobed/
3. fringed/
4. entire/
5. emarginate/
6. several lobed/

#55. corolla <length, mm>/  
mm long/

*10-15mm*

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

*5*

#57. <269> staminodes <number>/

*nil*

#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/

*[alternate with petals]*

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

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

#61. <316> ovary <gynoecium, constitution>/

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

#62. <318> ovary <position>/

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

#63. <326> ovary <locule number of syncarpous gynoecia>/  
locular/ 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/ ca 18mm

#71. fruit <width, mm>/

mm wide/ ca 6mm

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



Cheiranthera preissiana Putterl.

PLANTUSKULTUR

JWS 22/11

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

\*CHARACTER LIST

#1. <supra group>/

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

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

1. native/
2. naturalised/

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

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

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

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

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

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

#6. flowers <flowering period>/

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

10. October/

11. November/

12. December/

#7. <vegetation type>/

1. coastal heath/

2. swamp/

3. shrubland/

4. woodland/

5. karri forest/

6. jarrah forest/

7. other/ *along watercourses.*

8. heath <not coastal>/

9. granite rocks/

#8. <text> <date> compiled/ *1 NOV 93*

#9. <C> <5> <plant> <habit>/

1. tree/

2. tree-like/

3. shrub/

4. climber/

5. herb/

6. grass-like/

7. <other, specify>/

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

1. annual/

2. biennial/

3. perennial/

#11. <C> <541> <plant> <height, m, including inflorescence>/  
m high/ *0.5-2m*

#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/ 15 - 50 ✕

#23. <C> <543> leaves <total leaf width, mm>/  
mm wide/ 1 - 12

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

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

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

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

1. twisted/
2. not twisted/

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

1. ciliate/
2. not ciliate/

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

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

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

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

- 4. dentate/
- 5. denticulate/

#31. <542> <simple leaves> blade <length, mm>/  
mm long/ 15 - 50

#32. <543> <simple leaves> blade <width, mm>/  
mm wide/ 1 - 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 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/ [inconspicuous]
- 2. absent/

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

- 1. present/
- 2. absent/

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

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

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

- 1. present/
- 2. absent <implicit>/

#48. <219> calyx <number of parts>/ 5

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

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

#50. calyx <length, mm>/

mm long/ 1-2mm

#51. <236> corolla <number of parts>/ 5

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>/

#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>/

1. deeply bifid/
2. 2-lobed/
3. fringed/
4. entire/
5. emarginate/
6. several lobed/

#55. corolla <length, mm>/

mm long/ 8-10mm

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

#57. <269> staminodes <number>/ nil

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

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

#59. stamens <insertion>/

1. opposite sepals/ [alternate with petals]
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/
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>/





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

\*CHARACTER LIST

#1. <supra group>/

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

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

1. native/
2. naturalised/

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

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

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

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

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

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

#6. flowers <flowering period>/

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

<Spring >

- 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/ 10 MAR 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/ 2-5-8m

- #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/ ~~72-85 mm~~

72-165

#23. <C> <543> leaves <total leaf width, mm>/  
mm wide/ 15-40mm

#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/ (*undulate*)
2. crenate/
3. serrate/

4. dentate/
5. denticulate/

#31. <542> <simple leaves> blade <length, mm>/  
mm long/ 60-150

#32. <543> <simple leaves> blade <width, mm>/  
mm wide/ 15-40

#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>/ *(but apparently present as petals lobes)*

- #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>/

- #50. calyx *or outer perianth* <length, mm>/ **6-10mm**  
mm long/

- #51. <236> corolla *or inner perianth* <number of parts>/ **5**

segments/

- #52. <240> corolla <sup>or inner perianth</sup> <whether parts joined or free>/
1. free <or almost so> <polysepalous>/
  2. of joined and free segments <partially gamosepalous>/
  3. joined <gamosepalous>/
- #53. <246?> corolla <sup>or inner perianth</sup> <where segments joined, shape>/
1. rotate/
  2. 2-lipped/
  3. campanulate/
  4. tubular/
  5. urceolate/
  6. trumpet-like/
  7. spurred/
  8. ligulate/
  9. lobed/
- #54. <255?> petals <sup>or inner perianth</sup> <or corolla lobes, whether incised>/
1. deeply bifid/
  2. 2-lobed/
  3. fringed/
  4. entire/
  5. emarginate/
  6. several lobed/
  7. <other, specify>
- #55. corolla <sup>or inner perianth</sup> <length, mm>/  
mm long/ 10-12mm
- #56. <271> stamens <fertile, number>/ 5
- #57. <269> staminodes <number>/ none
- #58. <265?> stamens <freedom>/
1. free/
  2. fused/
  3. some fused and some free/
- #59. stamens <insertion>/
1. opposite sepals/
  2. opposite petals/
  3. in continuous whorl/
  4. on corolla tube/
  5. in corolla throat/
  6. free from corolla/
- #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 (Incompletely 2-celled)

#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/

10 - 14mm

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

10mm

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

Floral whorl or

#73. [Perianth (no of parts)]

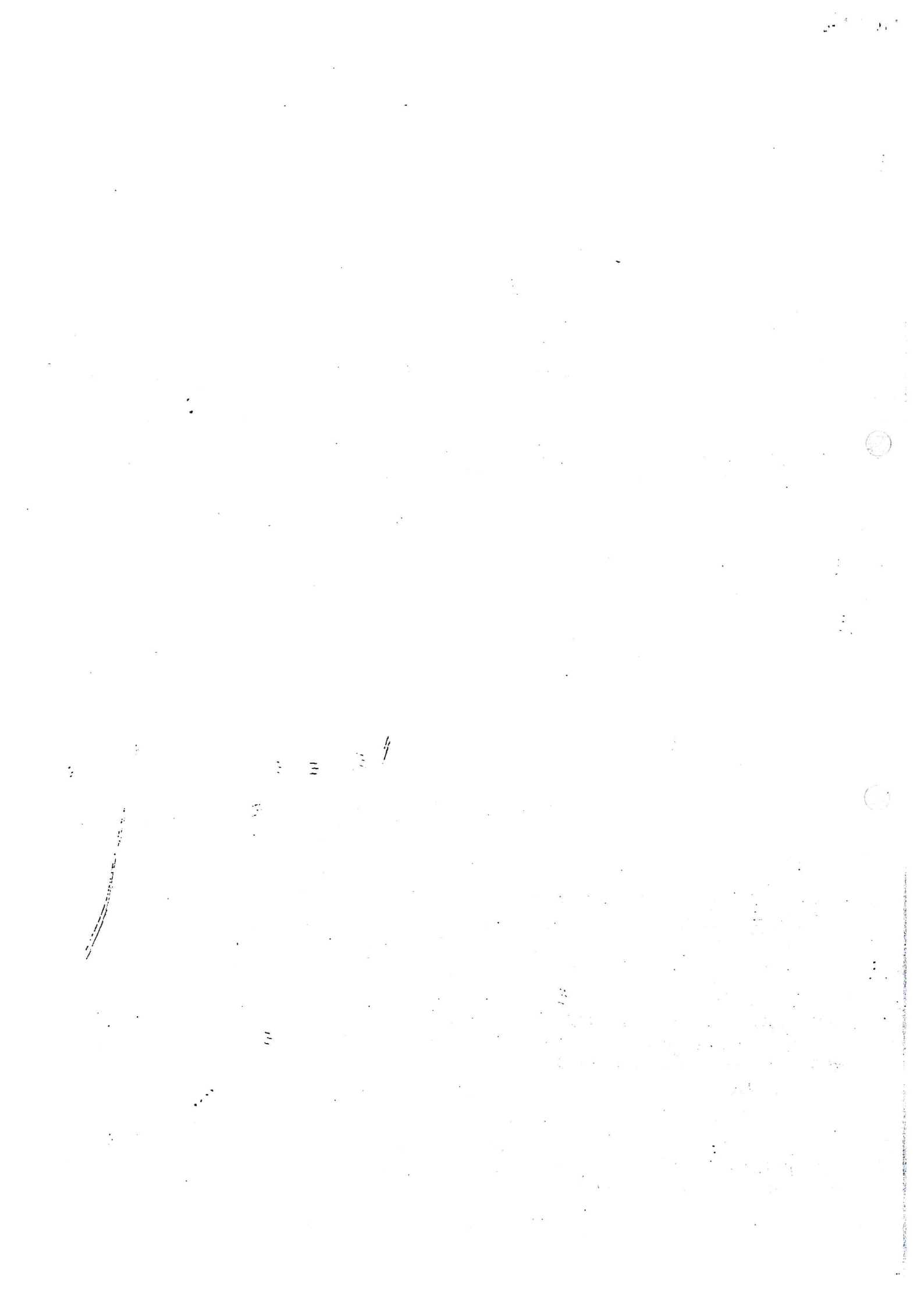
Floral whorl or

#74. [Perianth (joined or free)]

1. Free
2. Joined

Floral whorl or

#75. [Perianth (length, mm)]



Sollya heterophylla

Lindley.

PITTOSPORACEAE

MS 22/11

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

\*CHARACTER LIST

#1. <supra group>/

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

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

1. native/
2. naturalised/

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

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

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

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

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

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

#6. flowers <flowering period>/

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

10. October/

11. November/

12. December/

[Some flowers most of year]

#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/

#8. <text> <date> compiled/ 3 NOV 93

#9. <C> <5> <plant> <habit>/

1. tree/

2. tree-like/

3. shrub/

4. climber/

5. herb/

6. grass-like/

7. <other, specify>/

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

1. annual/

2. biennial/

3. perennial/

#11. <C> <541> <plant> <height, m, including inflorescence>/  
m high/ 0.5-2m.

#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/ 30 - 50
- #23. <C> <543> leaves <total leaf width, mm>/  
mm wide/ 4 - 18
- #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. <compound leaves> <shape> <ref: Flora of the Perth Region>/  
1. narrowly elliptic/  
2. elliptic/  
3. broadly elliptic/  
4. circular elliptic/  
5. transversely broadly elliptic/  
6. transversely elliptic/  
7. narrowly oblong/  
8. oblong/  
9. broadly oblong/  
10. square/  
11. transversely broadly oblong/  
12. transversely oblong/  
13. narrowly rhombic/  
14. rhombic/  
15. broadly rhombic/  
16. quadrate/  
17. transversely broadly rhombic/  
18. transversely rhombic/  
19. narrowly ovate/  
20. ovate/

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

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

1. twisted/

2. not twisted/

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

1. ciliate/

2. not ciliate/

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

1. flat/

2. folded lengthwise/

3. concave/

4. convex/

5. involute/

6. revolute/

7. terete/

8. semi-terete/

9. 3-angled/

10. 4-angled/

11. compressed/

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

1. entire/

2. crenate/

3. serrate/

4. dentate/  
5. denticulate/
- #31. <542> <simple leaves> blade <length, mm>/  
mm long/ *30-50mm*
- #32. <543> <simple leaves> blade <width, mm>/  
mm wide/ *4-18 mm*
- #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 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 <number of parts>/ 5

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

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

#50. calyx <length, mm>/ 1.5-3mm  
mm long/

#51. <236> corolla <number of parts>/ 5

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>/
- #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>/
1. deeply bifid/
  2. 2-lobed/
  3. fringed/
  4. entire/
  5. emarginate/
  6. several lobed/
- #55. corolla <length, mm>/  
mm long/ 8-10mm
- #56. <271> stamens <fertile, number>/ 5
- #57. <269> staminodes <number>/
- #58. <265?> stamens <freedom>/
1. free/ [but connivent around style]
  2. fused/ anthers
  3. some fused and some free/
- #59. stamens <insertion>/ [alternate with petals].
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/
11. silicule/
12. siliqua/
13. caryopsis/
14. <other, specify>/

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

1. dehiscent/
2. indehiscent/

#70. fruit <length, mm>/

mm long/ ca 25mm

#71. fruit <width, mm>/

mm wide/ ca 7mm.

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



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

\*CHARACTER LIST

#1. <supra group>/

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

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

1. native/
2. naturalised/

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

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

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

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

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

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

#6. flowers <flowering period>/

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

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

#7. <vegetation type>/

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

#8. <text> <date> compiled/ 3 NOV 93

#9. <C> <5> <plant> <habit>/

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

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

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

#11. <C> <541> <plant> <height, m, including inflorescence>/  
m high/ 0.5 - 3m.

#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. sessile/
3. sessile/
4. perfoliate/

#22. <C> <542> leaves <total leaf length, mm>/  
mm long/ 8-30

#23. <C> <543> leaves <total leaf width, mm>/  
mm wide/ 1-4

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

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

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

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

1. twisted/
2. not twisted/

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

1. ciliate/
2. not ciliate/

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

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

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

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



- 4. dentate/
- 5. denticulate/

#31. <542> <simple leaves> blade <length, mm>/  
mm long/ 8-30

#32. <543> <simple leaves> blade <width, mm>/  
mm wide/ 1-4

#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 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/ *[not always present.]*

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

1. present/
2. absent/

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

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

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

1. present/
2. absent <implicit>/

#48. <219> calyx <number of parts>/ 5

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

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

#50. calyx <length, mm>/

mm long/ 2-4mm

#51. <236> corolla <number of parts>/ 5

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>/

#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>/

1. deeply bifid/
2. 2-lobed/
3. fringed/
4. entire/
5. emarginate/
6. several lobed/

#55. corolla <length, mm>/  
mm long/ 10-12 mm

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

#57. <269> staminodes <number>/ nil

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

1. free/ [Anthers connate around style]
2. fused/
3. some fused and some free/

#59. stamens <insertion>/

1. opposite sepals/ [Alternate with petals]
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/
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>/



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

*Pittosporum*  
~~Phyt~~  
*phylliraeoides*

\*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/

#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/

#11. <C> <541> <plant> <height, m, including inflorescence>/  
m high/ 0.5 - 3

#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/ ~~30~~ 25 - 100

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

mm wide/ 6 - 16

#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 or
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/
41. broadly triangular/
42. deltate/
43. shallowly triangular/
44. narrowly obtusangular/
45. obtusangular/
46. broadly obtusangular/
47. obdeltate/
48. shallowly obtusangular/
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. <S42> <simple leaves> blade <length, mm>/  
mm long/ 20-85

#32. <S43> <simple leaves> blade <width, mm>/  
mm wide/ 6-16

#33. <S3> leaves <compound form>/

1. unifoliolate/
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/
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/ <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/
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>/

#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 <sup>or outer perianth</sup> <length, mm>/  
mm long/ 1.5 - 3.5
- #51. <236> corolla <sup>or inner perianth</sup> <number of parts>/ 5  
segments/
- #52. <240> corolla <sup>or inner perianth</sup> <whether parts joined or free>/  
1. free <or almost so> <polysepalous>/ *(cohering for part of length)*  
2. of joined and free segments <partially gamosepalous>/  
3. joined <gamosepalous>/ *(apparently, but just cohering not fused)*
- #53. <246?> corolla <sup>or inner perianth</sup> <where segments joined, shape>/  
1. rotate/  
2. 2-lipped/  
3. campanulate/  
4. tubular/  
5. urceolate/  
6. trumpet-like/  
7. spurred/  
8. ligulate/  
9. lobed/
- #54. <255?> petals <sup>or inner perianth</sup> <or corolla lobes, whether incised>/  
1. deeply bifid/  
2. 2-lobed/  
3. fringed/  
4. entire/ *(circled)*  
5. emarginate/  
6. several lobed/  
7. <other - specify>/
- #55. corolla <sup>or inner perianth</sup> <length, mm>/  
mm long/ 7-12
- #56. <271> stamens <fertile, number>/ 5
- #57. <269> staminodes <number>/ 0
- #58. <265?> stamens <freedom>/  
1. free/ *(circled)*  
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 or 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/
  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/ 10-24
- #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/