

Eschscholzia californica

Cham.

PAPAVERACEAE

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

*CHARACTER LIST

#1. <supra group>/

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

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

1. native/
2. naturalised/

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

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

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

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

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

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

#6. flowers <flowering period>/

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

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

#7. <vegetation type>/

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

(road verges and old settlements.)

#8. <text> <date> compiled/

10 MAY 95

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

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

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

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

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

0.3-0.5m

#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/

30 - 270

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

30 - 120mm

#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>/

ternately finely dissected

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

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

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

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

1. twisted/
2. not twisted/

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

1. ciliate/
2. not ciliate/

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

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

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

1. entire/

2. crenate/

3. serrate/

4. dentate/

5. denticulate/

6. spiny-toothed/

#31. <542> <simple leaves> blade <length, mm>/
mm long/ 30-150

#32. <543> <simple leaves> blade <width, mm>/
mm wide/ 30-120

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

1. unifoliate/

2. ternate/

3. pinnate/

4. palmate/

5. bipinnate/

6. multipinnate <multiply compound>/

7. <other-specify>/

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

1. narrowly elliptic/

2. elliptic/

3. broadly elliptic/

4. circular elliptic/

5. transversely broadly elliptic/

6. transversely elliptic/

7. narrowly oblong/

8. oblong/

9. broadly oblong/

10. square/

11. transversely broadly oblong/

12. transversely oblong/

13. narrowly rhombic/

14. rhombic/

15. broadly rhombic/

16. quadrate/

17. transversely broadly rhombic/

18. transversely rhombic/

19. narrowly ovate/

20. ovate/

21. broadly ovate/

22. very broadly ovate/

23. depressed ovate/

24. narrowly obovate/

25. obovate/

26. broadly obovate/

27. very broadly obovate/

28. depressed obovate/

29. narrowly trullate/

30. trullate/

31. broadly trullate/

32. very broadly trullate/

33. depressed trullate/

34. narrowly obtrullate/

35. obtrullate/

- 36. broadly obtrullate/
- 37. very broadly obtrullate/
- 38. depressed obtrullate/
- 39. narrowly triangular/
- 40. triangular/
- 41. broadly triangular/
- 42. deltate/
- 43. shallowly triangular/
- 44. narrowly obtriangular/
- 45. obtriangular/
- 46. broadly obtriangular/
- 47. obdeltate/
- 48. shallowly obtriangular/
- 49. linear/
- 50. subulate/
- 51. <other - specify>/
- 52. filiform/

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

- 1. entire/
- 2. crenate/
- 3. serrate/
- 4. dentate/
- 5. denticulate/
- 6. spiny toothed/

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

- 1. ciliate/
- 2. not ciliate/

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

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

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

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

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

- 1. 3-petal/
- 2. 4-petal/
- 3. 5-petal/
- 4. 6-petal/
- 5. pea flower/
- 6. wattle/

7. eucalypt/
8. daisy/
9. dandelion-daisy/
10. clustered/
11. other/
12. spikelet/

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

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

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

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

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

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

1. present/
2. absent <implicit>/

#48. <219> calyx *or outer perianth* <number of parts>/ *2*

#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>/ *fused into a calyptra*
#50. calyx ^{or outer perianth} <length, mm>/
mm long/ *10-40mm*

#51. <236> corolla ^{or inner perianth} <number of parts>/ *4*
segments/

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

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

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

#55. corolla ^{or inner perianth} <length, mm>/
mm long/ *20-60mm*

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

#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. <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/

~~1~~

1-celled

(4 fused carpels)

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

1

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

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

#66. styles <whether simple or branched>/

1. simple/
2. branched/

#67. styles <number of branches>/

branches/

4

#68. <?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/

50-90mm

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

4-5mm

#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/

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

*CHARACTER LIST

Romneya trichocalyx
Eastw.

PARAVERACEAE

#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/

road verges

#8. <text> <date> compiled/

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

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

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

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

#11. <C> <541> <plant> <height, m, including inflorescence>/
m high/ *1-2-5m*

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

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

#13. <30> <hydrophytic habit>/

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

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

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

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

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

#16. leaves <whether fasciculate>/

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

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

1. alternate/
2. opposite/
3. whorled/

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

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

#19. leaves <opposite, whether decussate>/

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

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

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

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

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

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

30-100mm

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

#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>/

pinnately dissected (3-9 lobes)

#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/ *or*
2. crenate/
3. serrate/
4. dentate/
5. denticulate/
6. spiny-toothed/

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

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

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

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

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

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

36. broadly obtrullate/
37. very broadly obtrullate/
38. depressed obtrullate/
39. narrowly triangular/
40. triangular/
41. broadly triangular/
42. deltate/
43. shallowly triangular/
44. narrowly obtriangular/
45. obtriangular/
46. broadly obtriangular/
47. obdeltate/
48. shallowly obtriangular/
49. linear/
50. subulate/
51. <other - specify>/
52. filiform/

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

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

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

1. ciliate/
2. not ciliate/

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

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

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

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

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

1. 3-petal/
2. 4-petal/
3. 5-petal/
4. 6-petal/
5. pea flower/
6. wattle/

7. eucalypt/
8. daisy/
9. dandelion-daisy/
10. clustered/
11. other/
12. spikelet/

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

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

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

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

#43. <plant sexuality>/

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

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

1. present/
2. absent/

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

1. present/
2. absent/

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

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

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

1. present/
2. absent <implicit>/

#48. <219> calyx ^{or outer perianth} <number of parts>/

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

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

3. joined <gamosepalous>/
or outer perianth
- #50. calyx <length, mm>/ 20-30mm
mm long/
- #51. <236> corolla <number of parts>/ 6
segments/ or inner perianth
- #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>/ or inner perianth
1. rotate/
2. 2-lipped/
3. campanulate/
4. tubular/
5. urceolate/
6. trumpet-like/
7. spurred/
8. ligulate/
9. lobed/
- #54. <255?> petals <or corolla lobes, whether incised>/ or inner perianth
1. deeply bifid/
2. 2-lobed/
3. fringed/
4. entire/
5. emarginate/
6. several lobed/
7. <other - specify>/
- #55. corolla <length, mm>/ or inner perianth
mm long/ 40-80mm
- #56. <271> stamens <fertile, number>/ many
- #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. <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/

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

style absent, stigmas numerous, cohering partly in a ring

#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/

30-40mm

#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/

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

* *Fumaria bastardii*

*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/
1. Torndirrup/

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

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

#6. flowers <flowering period>/

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

10. October/

11. November/

12. December/

#7. <vegetation type>/

1. coastal heath/

2. swamp/

3. shrubland/

4. woodland/

5. karri forest/

6. jarrah forest/

7. other/

<disturbed areas>

8. heath <not coastal>/

9. granite rocks/

10. riverine vegetation/

11. estuarine vegetation/

#8. <text> <date> compiled/ 14. 11. 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/

#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/

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

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

1. simple <implicit>/
2. compound/

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

1. dissected (2 or 3 times pinnatisect)
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. <?1?> <simple leaves> margins/

1. entire/
2. crenate/
3. serrate/
4. dentate/
5. denticulate/
6. spiny-toothed/

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

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

- #33. <53> leaves <compound form>/
1. unifoliate/
 2. ternate/
 3. pinnate/
 4. palmate/
 5. bipinnate/
 6. multipinnate <multiply compound>/
 7. <other -specify>/

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

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

- 36. broadly obtrullate/
- 37. very broadly obtrullate/
- 38. depressed obtrullate/
- 39. narrowly triangular/
- 40. triangular/
- 41. broadly triangular/
- 42. deltate/
- 43. shallowly triangular/
- 44. narrowly obtriangular/
- 45. obtriangular/
- 46. broadly obtriangular/
- 47. obdeltate/
- 48. shallowly obtriangular/
- 49. linear/
- 50. subulate/
- 51. <other - specify>/
- 52. filiform/

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

- 1. entire/
- 2. crenate/
- 3. serrate/
- 4. dentate/
- 5. denticulate/
- 6. spiny toothed/

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

- 1. ciliate/
- 2. not ciliate/

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

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

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

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

and tipped with purple

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

- 1. 3-petal/
- 2. 4-petal/
- 3. 5-petal/
- 4. 6-petal/
- 5. pea flower/
- 6. wattle/

7. eucalypt/
8. daisy/
9. dandelion-daisy/
10. clustered/
11. other/
12. spikelet/

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

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

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

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

#43. <plant sexuality>/

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

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

1. present/
2. absent/

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

1. present/
2. absent/

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

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

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

1. present/
2. absent <implicit>/

#48. <219> calyx ^{or outer perianth} <number of parts>/

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

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

3. joined <gamosepalous>/
- #50. calyx/^{or outer perianth}<length, mm>/ 2-3
mm long/
- #51. <236> corolla/^{or inner perianth}<number of parts>/ 4
segments/
- #52. <240> corolla/^{or inner perianth}<whether parts joined or free>/
1. free ^{<op almost so>} <polysepalous>/
2. of joined and free segments <partially gamosepalous>/
3. joined <gamosepalous>/
- #53. <246?> corolla/^{or inner perianth}<where segments joined, shape>/
1. rotate/
2. 2-lipped/
3. campanulate/
4. tubular/
5. urceolate/
6. trumpet-like/
7. spurred/
8. ligulate/
9. lobed/
- #54. <255?> petals/^{or inner perianth}<or corolla lobes, whether incised>/
1. deeply bifid/
2. 2-lobed/
3. fringed/
4. entire/
5. emarginate/
6. several lobed/
7. <other - specify>/
- #55. corolla/^{or inner perianth}<length, mm>/ 9-12
mm long/
- #56. <271> stamens <fertile, number>/ 6
- #57. <269> staminodes <number>/ 0
- #58. <265?> stamens <freedom>/
1. free/
2. fused <into two groups>
3. some fused and some free/
- #59. stamens <insertion>/
1. opposite sepals/
2. opposite petals/
3. in continuous whorl/
4. <other - specify>/
- #60. <283?> anthers dehiscing <mechanism>/
1. by pores/
2. by vertical slits/
3. by transverse slits/
4. by valves/
5. <other, specify>/

- #61. <316> ovary <gynoecium, constitution>/
 1. monomerous <of a single carpel>/
 2. apocarpous <of two or more free carpels>/
 3. syncarpous <of two or more fused or partly fused carpels>/
- #62. <318> ovary <position>/
 1. superior/
 2. partly inferior/
 3. inferior/
- #63. <326> ovary <locule number of syncarpous gynoecia (currently includes
 carpel number of apocarpous gynoecia)>/
 locular/ 2
- #64. <333?> styles <number>/ 1
- #65. <336?> styles <insertion>/
 1. apical/
 2. lateral/
 3. gynobasic/
- #66. styles <whether simple or branched>/
 1. simple/
 2. branched/
- #67. styles <number of branches>/
 branches/
- #68. <?379, 381, 382> fruit <type>/
 1. legume/
 2. loment/
 3. follicle/
 4. achene/
 5. samara/
 6. nut/
 7. drupe/
 8. berry/
 9. mericarps/
 10. capsule/
 11. silicule/
 12. siliqua/
 13. caryopsis/
 14. <other, specify>/
- #69. <?378, 380> fruit <whether dehiscent>/
 1. dehiscent/
 2. indehiscent/
- #70. fruit <length, mm>/
 mm long/ ca 2
- #71. fruit <width, mm>/
 mm wide/ ca 2
- #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/

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

* *Fumaria capreolata*

*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/

<disturbed areas>

#8. <text> <date> compiled/

14.11.97

#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/

#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/

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

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

1. simple <implicit>/
2. compound/

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

1. dissected/ - < 2 or 3 times pinnal/sect
2. entire <apart from margin>/

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

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

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

- #27. <simple leaves> <whether twisted>/
1. twisted/
 2. not twisted/

- #28. <simple leaves> margins <whether ciliate>/
1. ciliate/
 2. not ciliate/

- #29. <39?> <leaves> blade <mature form>/
1. flat/
 2. folded lengthwise/
 3. concave/
 4. convex/
 5. involute/
 6. revolute/
 7. terete/
 8. semi-terete/
 9. 3-angled/
 10. 4-angled/
 11. compressed/

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

- 1. entire/
- 2. crenate/
- 3. serrate/
- 4. dentate/
- 5. denticulate/
- 6. spiny-toothed/

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

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

- #33. <53> leaves <compound form>/
- 1. unifoliate/
 - 2. ternate/
 - 3. pinnate/
 - 4. palmate/
 - 5. bipinnate/
 - 6. multipinnate <multiply compound>/
 - 7. <other -specify>/

- #34. <compound leaves> <leaflet shape> <ref: Flora of the Perth Region>/
- 1. narrowly elliptic/
 - 2. elliptic/
 - 3. broadly elliptic/
 - 4. circular elliptic/
 - 5. transversely broadly elliptic/
 - 6. transversely elliptic/
 - 7. narrowly oblong/
 - 8. oblong/
 - 9. broadly oblong/
 - 10. square/
 - 11. transversely broadly oblong/
 - 12. transversely oblong/
 - 13. narrowly rhombic/
 - 14. rhombic/
 - 15. broadly rhombic/
 - 16. quadrate/
 - 17. transversely broadly rhombic/
 - 18. transversely rhombic/
 - 19. narrowly ovate/
 - 20. ovate/
 - 21. broadly ovate/
 - 22. very broadly ovate/
 - 23. depressed ovate/
 - 24. narrowly obovate/
 - 25. obovate/
 - 26. broadly obovate/
 - 27. very broadly obovate/
 - 28. depressed obovate/
 - 29. narrowly trullate/
 - 30. trullate/
 - 31. broadly trullate/
 - 32. very broadly trullate/
 - 33. depressed trullate/
 - 34. narrowly obtusate/
 - 35. obtusate/

- 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/
- or <hpped with purple>

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

- 1. 3-petal/
- 2. 4-petal/
- 3. 5-petal/
- 4. 6-petal/
- 5. pea flower/
- 6. wattle/

7. eucalypt/
8. daisy/
9. dandelion-daisy/
10. clustered/
11. other/
12. spikelet/

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

1. solitary/
2. aggregated into inflorescences/

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

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

#43. <plant sexuality>/

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

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

1. present/
2. absent/

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

1. present/
2. absent/

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

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

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

1. present/
2. absent <implicit>/

#48. <219> calyx ^{or outer perianth} <number of parts>/

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

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

3. joined <gamosepalous>/
- #50. calyx ^{or outer perianth} <length, mm>/
mm long/ 4-5
- #51. <236> corolla ^{or inner perianth} <number of parts>/
segments/ 4
- #52. <240> corolla ^{or inner perianth} <whether parts joined or free>/
1. free ~~or almost so~~ <polysepalous>/
2. of joined and free segments <partially gamosepalous>/
3. joined <gamosepalous>/
- #53. <246?> corolla ^{or inner perianth} <where segments joined, shape>/
1. rotate/
2. 2-lipped/
3. campanulate/
4. tubular/
5. urceolate/
6. trumpet-like/
7. spurred/
8. ligulate/
9. lobed/
- #54. <255?> petals ^{or inner perianth} <or corolla lobes, whether incised>/
1. deeply bifid/
2. 2-lobed/
3. fringed/
4. entire/
5. emarginate/
6. several lobed/
7. <other - specify>/
- #55. corolla ^{or inner perianth} <length, mm>/
mm long/ 10-14
- #56. <271> stamens <fertile, number>/ 6
- #57. <269> staminodes <number>/ 0
- #58. <265?> stamens <freedom>/
1. free/
2. fused ^{into two groups}/
3. some fused and some free/
- #59. stamens <insertion>/
1. opposite sepals/
2. opposite petals/
3. in continuous whorl/
4. <other - specify>/
- #60. <283?> anthers dehiscing <mechanism>/
1. by pores/
2. by vertical slits/
3. by transverse slits/
4. by valves/
5. <other, specify>/

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

- #62. <318> ovary <position>/
1. superior/
2. partly inferior/
3. inferior/

- #63. <326> ovary <locule number of syncarpous gynoecia (currently includes
carpel number of apocarpous gynoecia)>/
locular/ 2

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

- #65. <336?> styles <insertion>/
1. apical/
2. lateral/
3. gynobasic/

- #66. styles <whether simple or branched>/
1. simple/
2. branched/

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

- #68. <?379, 381, 382> fruit <type>/
1. legume/
2. loment/
3. follicle/
4. achene/
5. samara/
6. nut/
7. drupe/
8. berry/
9. mericarps/
10. capsule/
11. silicule/
12. siliqua/
13. caryopsis/
14. <other, specify>/

- #69. <?378, 380> fruit <whether dehiscent>/
1. dehiscent/
2. indehiscent/

- #70. fruit <length, mm>/
mm long/ ca 2

- #71. fruit <width, mm>/
mm wide/ ca 2

- #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/

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

* *Fumaria muralis*

*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 *(disjunct areas)*
8. heath <not coastal>/
9. granite rocks/
10. riverine vegetation/
11. estuarine vegetation/

#8. <text> <date> compiled/ 14.11.97

#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/

#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/

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

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

1. simple <implicit>/
2. compound/

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

1. dissected <2 or 3 times pinnat. sect>/
2. entire <apart from margin>/

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

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

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

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

- 1. twisted/
- 2. not twisted/

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

- 1. ciliate/
- 2. not ciliate/

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

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

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

1. entire/
2. crenate/
3. serrate/
4. dentate/
5. denticulate/
6. spiny-toothed/

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

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

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

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

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

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

- 36. broadly obtusate/
 - 37. very broadly obtusate/
 - 38. depressed obtusate/
 - 39. narrowly triangular/
 - 40. triangular/
 - 41. broadly triangular/
 - 42. deltate/
 - 43. shallowly triangular/
 - 44. narrowly obtusate/
 - 45. obtusate/
 - 46. broadly obtusate/
 - 47. obdeltate/
 - 48. shallowly obtusate/
 - 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 / <rippled with dark red to purple>
 - 8. purple/
 - 9. violet/
 - 10. blue/
 - 11. brown/
 - 12. black/
 - 13. other/
- #40. flowers <shape> <casual character>/
- 1. 3-petal/
 - 2. 4-petal/
 - 3. 5-petal/
 - 4. 6-petal/
 - 5. pea flower/
 - 6. wattle/

7. eucalypt/
8. daisy/
9. dandelion-daisy/
10. clustered/
11. other/
12. spikelet/

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

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

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

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

#43. <plant sexuality>/

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

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

1. present/
2. absent/

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

1. present/
2. absent/

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

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

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

1. present/
2. absent <implicit>/

#48. <219> calyx ^{or outer perianth} <number of parts>/

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

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

3. joined <gamosepalous>/

#50. calyx ^{or outer perianth} <length, mm>/ 2.5-3
mm long/

#51. <236> corolla ^{or inner perianth} <number of parts>/ 4
segments/

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

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

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

#55. corolla ^{or inner perianth} <length, mm>/ 9-11
mm long/

#56. <271> stamens <fertile, number>/ 6

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

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

#59. stamens <insertion>/
1. opposite sepals/
2. opposite petals/
3. in continuous whorl/
4. <other - specify>/

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

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

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

#62. <318> ovary <position>/

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

#63. <326> ovary <locule number of syncarpous gynoecia (currently includes carpel number of apocarpous gynoecia)>/
locular/ 2

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

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

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

#66. styles <whether simple or branched>/

1. simple/
2. branched/

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

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

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

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

1. dehiscent/
2. indehiscent/

#70. fruit <length, mm>/

mm long/ 2 - 2.5

#71. fruit <width, mm>/

mm wide/ 2 - 2.5

#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/