Larval Mosquito Identification Key:

SOUTH WEST REGION OF WESTERN AUSTRALIA
Simplified illustrated key for fourth instar mosquito larvae in the South West of Western Australia

1

1A Siphon absent ......................................................... Anopheles

Russell RC (1993) Mosquitoes and mosquito borne disease in southeastern Australia

1B Siphon present ............................................................ 2


© Environmental Health Directorate, Department of Health WA, 2021
Simplified illustrated key for fourth instar mosquito larvae in the South West of Western Australia

2

2A One pair of ventral hair tufts (setae 1-S) on siphon .................................. 3 (Aedes)


2B More than one pair of ventral hair tufts (setae 1-S) on siphon ........................... 8 (Culex)

Adapted from Marks EN (1982) An atlas of Common Queensland Mosquitoes

© Environmental Health Directorate, Department of Health WA, 2021
Simplified illustrated key for fourth instar mosquito larvae in the South West of Western Australia

3

3A Head hair 5 (5-C) single ................................................................. 4

Russell RC (1993) Mosquitoes and mosquito borne disease in southeastern Australia

3B Head hair 5-C not single ................................................................. 5

Liehne PFS (1991) An atlas of the mosquitoes of Western Australia

Russell RC (1993) Mosquitoes and mosquito borne disease in southeastern Australia

© Environmental Health Directorate, Department of Health WA, 2021
Simplified illustrated key for fourth instar mosquito larvae in the South West of Western Australia

4A Seta 1-S with three branches .............................................. *Aedes notoscriptus*

4B Seta 1-S with approximately 10 branches .............................................. *Aedes vigilax*

Russell RC (1993) Mosquitoes and mosquito borne disease in southeastern Australia
Simplified illustrated key for fourth instar mosquito larvae in the South West of Western Australia

5

5A Head hair 6 (6-C) single and longer than 5-C with two or more branches *Aedes clelandi*

5B Head hair 6-C not single and is equal in length to 5-C ........................................ 6

© Environmental Health Directorate, Department of Health WA, 2021
Simplified illustrated key for fourth instar mosquito larvae in the South West of Western Australia

6

6A Anal papillae rounded; lateral comb of 16-35 scales denticulate

........................................................................................................... \textit{Aedes camptorhynchus}

Russell RC (1993) Mosquitoes and mosquito borne disease in southeastern Australia

6B Anal papillae pointed; lateral comb with 35 or more scales ................................. 7

© Environmental Health Directorate, Department of Health WA, 2021
Simplified illustrated key for fourth instar mosquito larvae in the South West of Western Australia

7

7A Head hair 6-C bifid; lateral comb of 35-60 fringed scales; anal papillae 0.2 length of saddle; one pre cratal tuft ................................................................. *Aedes ratcliffei*

7B Lateral comb of ~100 fringed scales, anal papillae half the length of saddle, no pre-cratal tufts .................................................................................................................. *Aedes alboannulatus*

Lienhe PFS (1991) An atlas of the mosquitoes of Western Australia

Russell RC (1993) Mosquitoes and mosquito borne disease in southeastern Australia

© Environmental Health Directorate, Department of Health WA, 2021
Simplified illustrated key for fourth instar mosquito larvae in the South West of Western Australia

8

8A Antennae milky white basal 2/3 and very dark tip; siphon with 5-6 pairs of ventral hair tufts ................................................................................................................ Culex annulirostris

Russell RC (1993) Mosquitoes and mosquito borne disease in southeastern Australia

8B Antennae uniform brown/grey; siphon with 3-4 pairs of ventral hair tufts and one group lateral ................................................................................................................. 9


© Environmental Health Directorate, Department of Health WA, 2021
Simplified illustrated key for fourth instar mosquito larvae in the South West of Western Australia

9

9A Anal papillae short and rounded, less than half the length of the saddle ................................................................. *Culex globocoxitus*

Russell RC (1993) Mosquitoes and mosquito borne disease in southeastern Australia

9B Anal papillae about same length as saddle ................................................................................................................. 10
Simplified illustrated key for fourth instar mosquito larvae in the South West of Western Australia

10

10A Siphon about 3 times length of saddle (Siphon Index less than 4.8:1, usually 3.5-4.5:1); basal 1/3 siphon swollen (“bottle shape”) … short antennae .......... *Culex quinquefasciatus*

Russell RC (1993) Mosquitoes and mosquito borne disease in southeastern Australia

10B Siphon about 5 times length of saddle (Siphon Index more than 5:1); siphon not swollen .................. long antennae ................................................................. *Culex australicus*

Russell RC (1993) Mosquitoes and mosquito borne disease in southeastern Australia

© Environmental Health Directorate, Department of Health WA, 2021