

FOR INFORMATION

NAMP Technical Committee Annual Meeting 2025

Agenda Item ##

Last updated: 19 August 2025

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WESTERN AUSTRALIA ENTOMOLOGY REPORT

RECOMMENDATION

1. That the NAMP Technical Committee:

NOTE: For the financial year 2024/25 no vector species were found outside the BTV zone in the Western Australia, except for a single specimen of *Culicoides brevitarsis* at Winning Station (April 2025).

BACKGROUND

1. Monitoring for biting midges in WA is conducted jointly by WA Govt and NAQS.
 - WA Govt manages the collection of specimens at 15 official NAMP sites
 - NAQS manages collection at one WA site (Kalumburu)
2. Northern Territory Department of Industry Tourism and Trade (DITT) Berrimah Veterinary Lab sorts *Culicoides* from by catch from all samples from WA.
3. NAQS Darwin entomology lab provides species identification for all specimens from WA.
4. This report includes the official NAMP entomology sites in Western Australia, inclusive of the NAQS managed site.

DISCUSSION

1. No vector species were found outside the BTV zone in the Western Australia, except for a single specimen of *Culicoides brevitarsis* at Winning Station (April 2025).
2. For the 2024/2025 financial year a total of 13,138 midges were ID and counted, this was from 55 trapping events (124 budgeted – 44% of total budgeted collections). A return rate of 60-70% of budgeted traps is consistent with previous years, with 2024/25 showing a decrease in returns. A review of entomology collections will be made to improve trapping rates or have sites moved or removed.
3. In WA, nineteen species of *Culicoides* were identified in the last financial year (Table 1). The diversity shows the importance of taxonomic work and providing up to date keys to diagnosticians to enable accurate identifications. It also reflects a level of capability in *Culicoides* diagnosis that lends to the robustness of the NAMP objectives.
4. Thangoo Station near Broome (in the BTV buffer zone) recorded *C. brevitarsis* in the traps of May '24, Dec '24 and Jan '25. Routine collections of *C. brevitarsis* at this site are consistent with previous years. Broome remained unchanged with no vector species being recorded in the last two years (Figure 1).

FINANCIAL IMPLICATIONS

5. NIL

CONSULTATION/COMMUNICATION

6. NIL

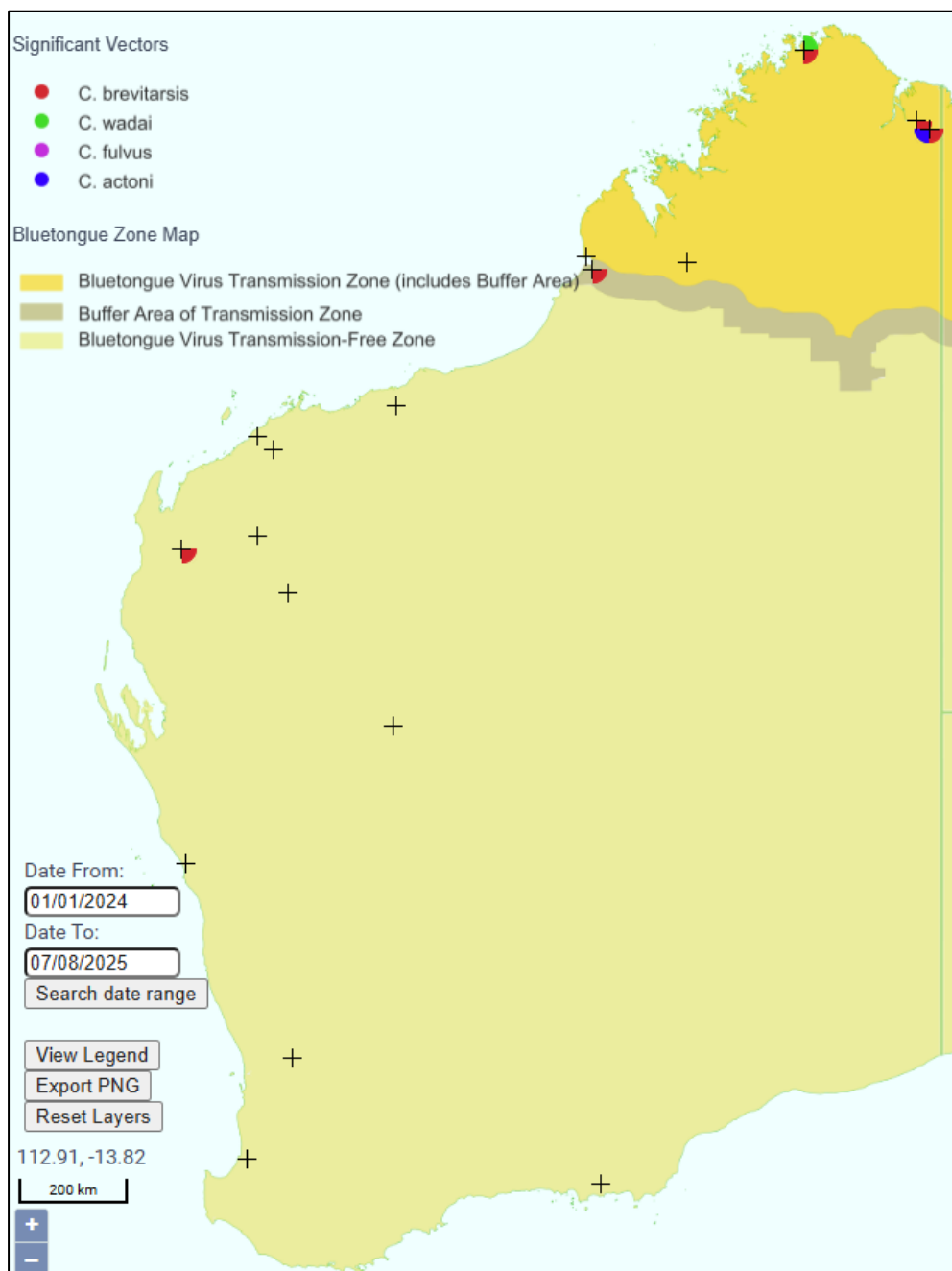
NEXT STEPS/ACTIONS

7. NIL

Attachment A: *Significant vector species recorded in the WA for 24/25 FY*

Attachment B: *Culicoides species: Western Australia - 2024/25*

Attachment A: Significant vector species recorded in the WA for 24/25 FY



+ represents trapping site

Attachment B: Culicoides species: Western Australia - 2024/25

Culicoides species	# sites detected
C. marksi	12
C. austropalpalis	10
C. bundyensis	6
C. dycei	6
C. ornatus group_sp08	4
C. williwilli group_sp03	4
C. brevitarsis	3
C. ornatus group_sp06	3
C. williwilli group_sp04	3
C. clavipalpis group_sp08	2
C. victoriae group_sp14	2
C. zentae	2
C. actoni	1
C. bunrooensis	1
C. multimaculatus	1
C. ornatus	1
C. shermani	1
C. shermani group_sp01	1
C. williwilli group_sp02	1