

NT Entomology**RECOMMENDATION**

1. That the NAMP Technical Committee **NOTE:**
 - a) the detection of the exotic midge *C. nudipalpis* at Cobourg Peninsula, Gunbalunya and Beatrice Hill Farm

BACKGROUND

2. Monitoring for biting midges in NT is conducted jointly by NT Govt and NAQS. NT Govt manages the collection of specimens at official NAMP sites with NAQS providing the identification service. An additional 3 monitoring sites are serviced by NAQS at sites deemed to be at high risk of incursions of exotic species. Occasionally, collections are made opportunistically at other sites.

DISCUSSION

1. Total budgeted collections 94. Total collections made 116 = 123%.
2. 8 official NAMP sites, 3 unofficial (NAQS) sites and 3 opportunistic sites across the Northern Territory were sampled.
3. Collectively these produced almost 59000 midges belonging to 34 different species
4. Target species *Culicoides nudipalpis*, collected at Cobourg Peninsula (4 specimens), Gunbalunya (2 specimens) and Beatrice Hill Farm (1 specimen) on 1 occasion each.
5. No further specimens of the exotic species *C. flavipunctatus* were collected at the Douglas Daly Research Farm, or at any other site, this year confirming that this species has not established in NT despite 3 individuals being collected in August 2017.
6. The distribution and seasonality of established vector species is similar to last year but a little lower than preceding years (Fig. 1).
7. Numbers of all midge species, including vectors, collected is significantly higher than last year and similar to that of preceding years (Fig. 2).

Fig 1. Seasonality sites positive for vector species at sites in NT from 2017-2020

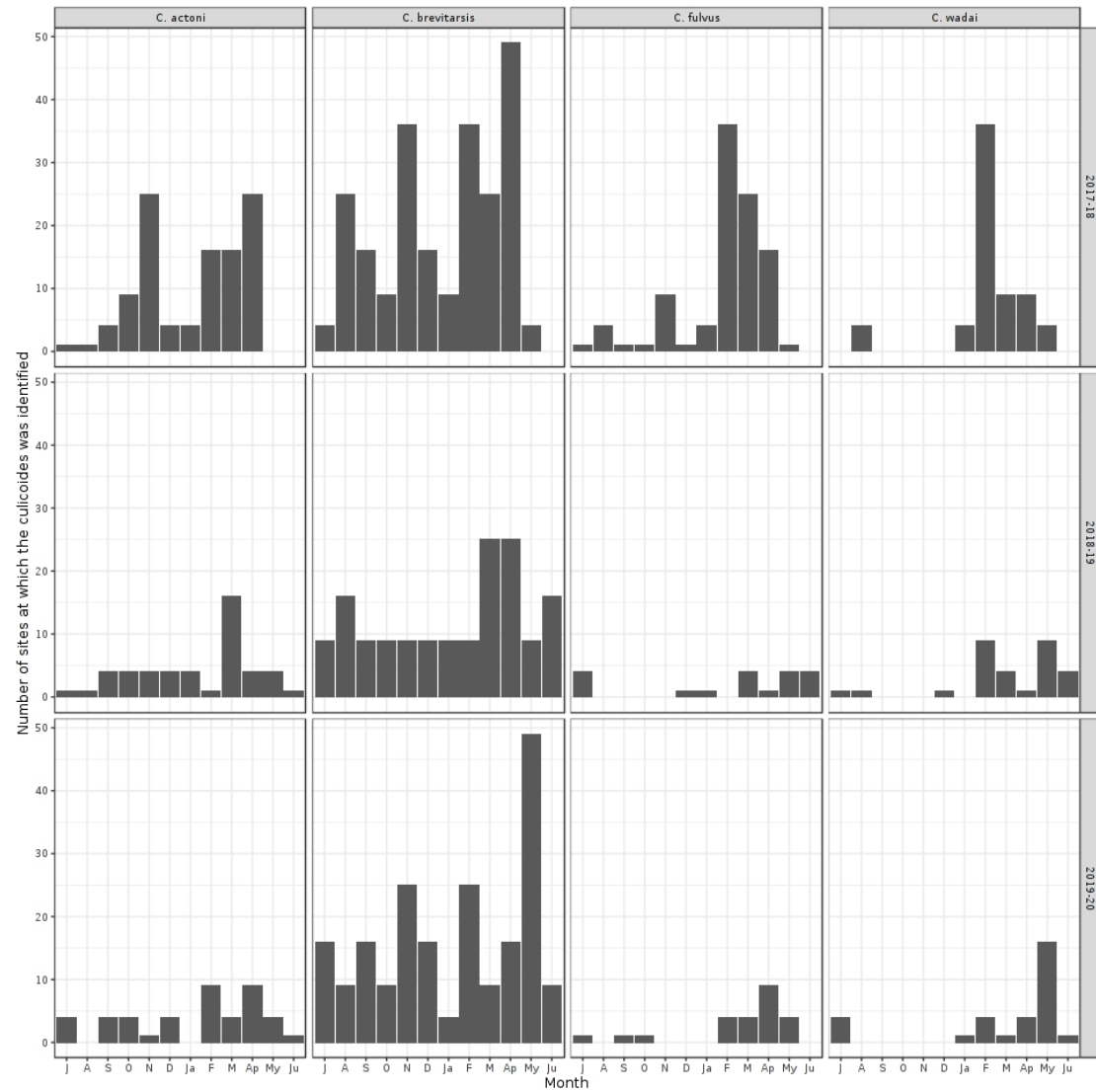
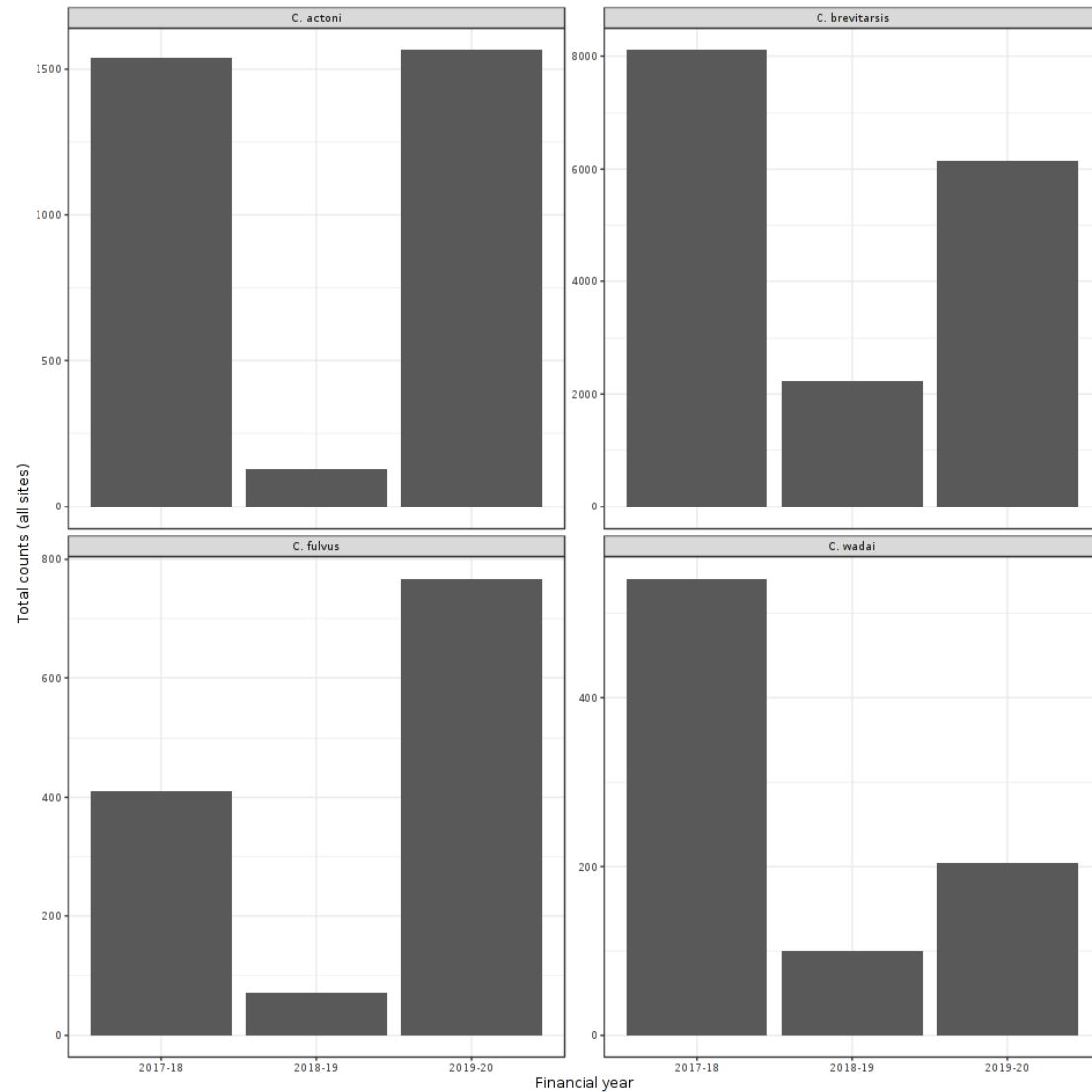


Fig. 2. Abundance of vectors in NT between 2017 and 2020.



FINANCIAL IMPLICATIONS

8. Nil

CONSULTATION/COMMUNICATION

DAWE, the NAMP technical committee and NT CVO were advised immediately of the three detections of *C. nudipalpis*.
NT and NAQS NAMP coordinators

NEXT STEPS/ACTIONS

9. None required