

# NSW Arbovirus Surveillance and Mosquito Monitoring 2022-2023

Weekly Update: Week ending 29 April 2023

(Report Number 28)



# Summary

## Arbovirus Detections

- **Sentinel Chickens:** There were no positive test results in sentinel chickens.
- **Mosquito Isolates:** There were no arbovirus detections in mosquito isolates.

## Mosquito Abundance

- **Inland:** mosquito trapping at inland sites has ended for the 2022-2023 surveillance season.
- **Coast:** LOW at Bega, Murwillumbah, Nambucca, Port Macquarie, Wauchope and Wyong, MEDIUM at Lake Cathie and Tweed Heads, HIGH at Gosford and Newcastle, VERY HIGH at Ballina.
- **Sydney:** LOW at Bankstown, Camden, Canada Bay, Hills Shire, Liverpool, Northern Beaches, Parramatta, Penrith and Sydney Olympic Park.

## Environmental Conditions

- **Climate:** In the week ending 29 April 2023, there was low to moderate rainfall in a band extending from the northwest to the southeast of NSW and along the north and mid-north coast. There is likely to be below average rainfall across all of NSW in May. In May, minimum temperatures are likely to be below average in northern inland areas and about average elsewhere. Maximum temperatures are likely to be above average across most of the state and about average along the coast and Victorian border.
- **Tides:** High tides over 1.8 metres are predicted for 5-9 May, which could trigger hatching of *Aedes vigilax*.

## Human Arboviral Disease Notifications

- **Ross River Virus:** 4 cases were notified in the week ending 22 April 2023.
- **Barmah Forest Virus:** 5 cases was notified in the week ending 22 April 2023.

## Comments and other findings of note

The Bureau of Meteorology has announced that there are signs that the El Niño climate driver may form during the 2023 winter. El Niño is normally associated with lower than average winter/spring rainfall over eastern Australia and has been associated with severe rainfall deficiency and drought in NSW.

### Weekly reports are available at:

[www.health.nsw.gov.au/Infectious/mosquito-borne/Pages/surveillance.aspx](http://www.health.nsw.gov.au/Infectious/mosquito-borne/Pages/surveillance.aspx)

### Please send questions or comments about this report to:

Surveillance and Risk Unit, Environmental Health Branch, Health Protection NSW:  
[hssg-ehbsurveillance@health.nsw.gov.au](mailto:hssg-ehbsurveillance@health.nsw.gov.au)

Testing and scientific services are provided by the Department of Medical Entomology, NSW Health Pathology, Institute of Clinical Pathology and Medical Research (ICPMR) for mosquito surveillance, and the Arbovirus Emerging Diseases Unit, NSW Health Pathology (ICPMR) for sentinel chicken surveillance.

The arbovirus surveillance and mosquito monitoring results in this report remain the property of the NSW Ministry of Health and may not be used or disseminated to unauthorised persons or organisations without permission.

SPHN (EH) 220867

Cover photos: **Bottom left** - Common banded mosquito, *Culex annulirostris*  
**Top and bottom right** - Saltmarsh mosquito, *Aedes vigilax*  
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## Arbovirus Detections

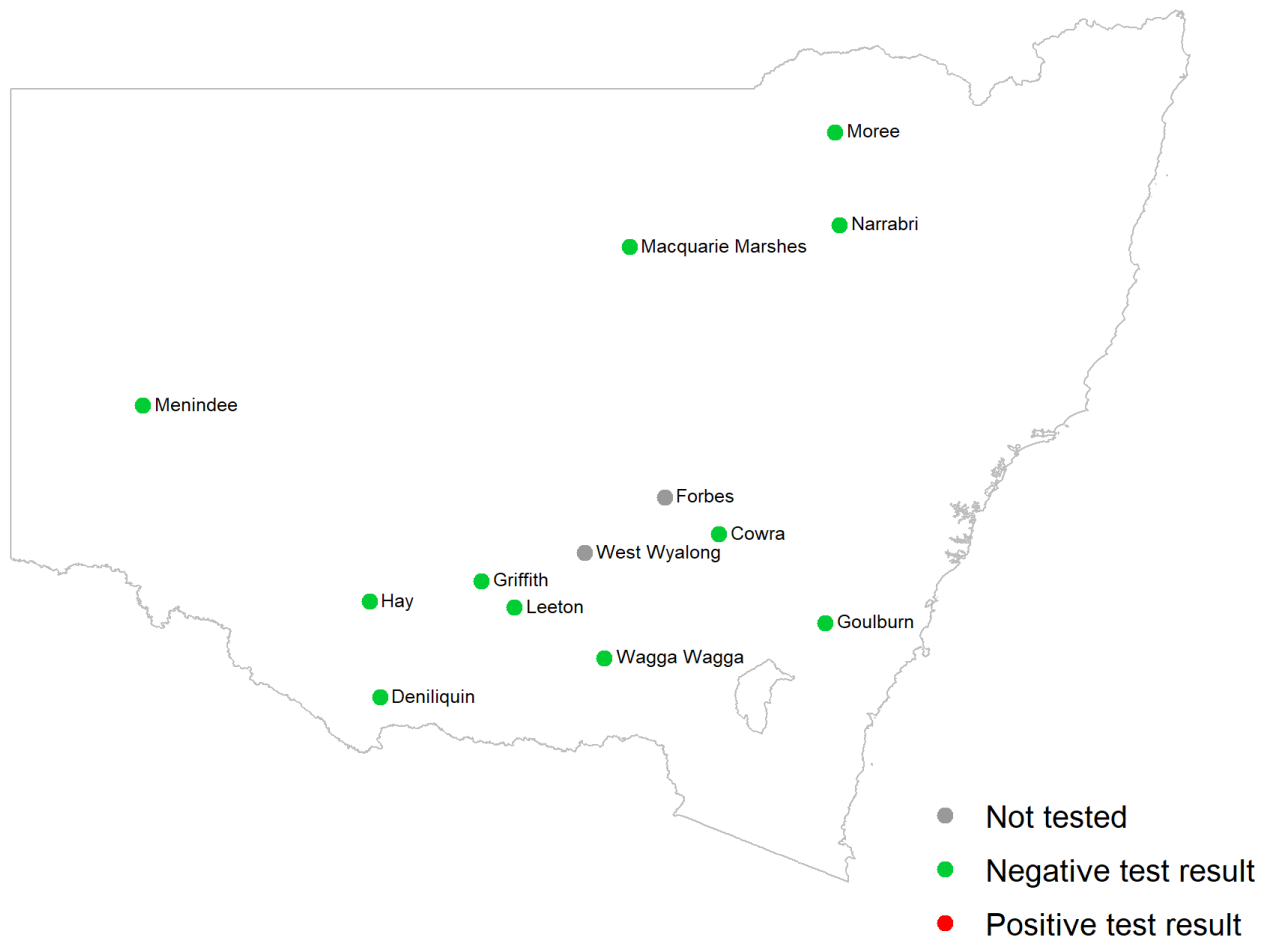
This section details detections of Murray Valley encephalitis virus, Kunjin virus, Ross River virus, Barmah Forest virus and Japanese encephalitis virus in the NSW Arbovirus Surveillance and Mosquito Monitoring Program.

### Sentinel chickens

Chickens are bled for detection of antibodies directed against Murray Valley encephalitis virus, Kunjin virus and Japanese encephalitis virus, indicating exposure to these viruses. Test results for the past two weeks are shown in the map below and all positive test results for the season are detailed in the table. A positive test result indicates one or more chickens in a flock tested positive for the first time to antibodies directed against a particular virus, indicating newly acquired infection.

#### Sentinel chicken antibody test results for samples collected in the two weeks to 29 April 2023

There were no positive test results.



### Positive test results in the 2022-2023 surveillance season

| Date of sample collection | Location           | Virus                      |
|---------------------------|--------------------|----------------------------|
| 12 January 2023           | Menindee           | Murray Valley encephalitis |
| 12 January 2023           | Menindee           | Kunjin                     |
| 19 January 2023           | Menindee           | Murray Valley encephalitis |
| 20 January 2023           | Macquarie Marshes  | Murray Valley encephalitis |
| 26 January 2023           | Menindee           | Murray Valley encephalitis |
| 29 January 2023           | Leeton             | Murray Valley encephalitis |
| 5 February 2023           | Menindee           | Murray Valley encephalitis |
| 5 February 2023           | Menindee           | Kunjin                     |
| 6 February 2023           | Deniliquin         | Murray Valley encephalitis |
| 6 February 2023           | Forbes             | Murray Valley encephalitis |
| 6 February 2023           | Hay                | Murray Valley encephalitis |
| 6 February 2023           | Macquarie Marshes* | Murray Valley encephalitis |
| 12 February 2023          | Deniliquin         | Murray Valley encephalitis |
| 12 February 2023          | Leeton             | Murray Valley encephalitis |
| 12 February 2023          | Leeton             | Kunjin                     |
| 13 February 2023          | Macquarie Marshes  | Murray Valley encephalitis |
| 13 February 2023          | Macquarie Marshes  | Kunjin                     |
| 14 February 2023          | Forbes             | Murray Valley encephalitis |
| 19 February 2023          | Leeton             | Murray Valley encephalitis |
| 19 February 2023          | Leeton             | Kunjin                     |
| 21 February 2023          | Hay                | Murray Valley encephalitis |
| 23 February 2023          | West Wyalong       | Murray Valley encephalitis |
| 3 March 2023              | Deniliquin         | Murray Valley encephalitis |
| 5 March 2023              | Macquarie Marshes  | Kunjin                     |
| 7 March 2023              | Griffith           | Murray Valley encephalitis |
| 12 March 2023             | Deniliquin         | Kunjin                     |
| 12 March 2023             | Menindee           | Kunjin                     |
| 13 March 2023             | Leeton             | Kunjin                     |
| 13 March 2023             | Moree              | Murray Valley encephalitis |
| 13 March 2023             | Moree              | Kunjin                     |
| 20 March 2023             | Hay                | Murray Valley encephalitis |
| 20 March 2023             | Hay                | Kunjin                     |
| 26 March 2023             | Leeton             | Kunjin                     |
| 2 April 2023              | Hay                | Kunjin                     |
| 2 April 2023              | Macquarie Marshes  | Kunjin                     |
| 3 April 2023              | Griffith           | Kunjin                     |
| 4 April 2023              | Forbes             | Murray Valley encephalitis |
| 5 April 2023              | West Wyalong       | Kunjin                     |

\*Chickens in Macquarie Marshes had previously seroconverted to Murray Valley encephalitis virus and continue to test positive for antibodies to this virus.

## Mosquito isolates

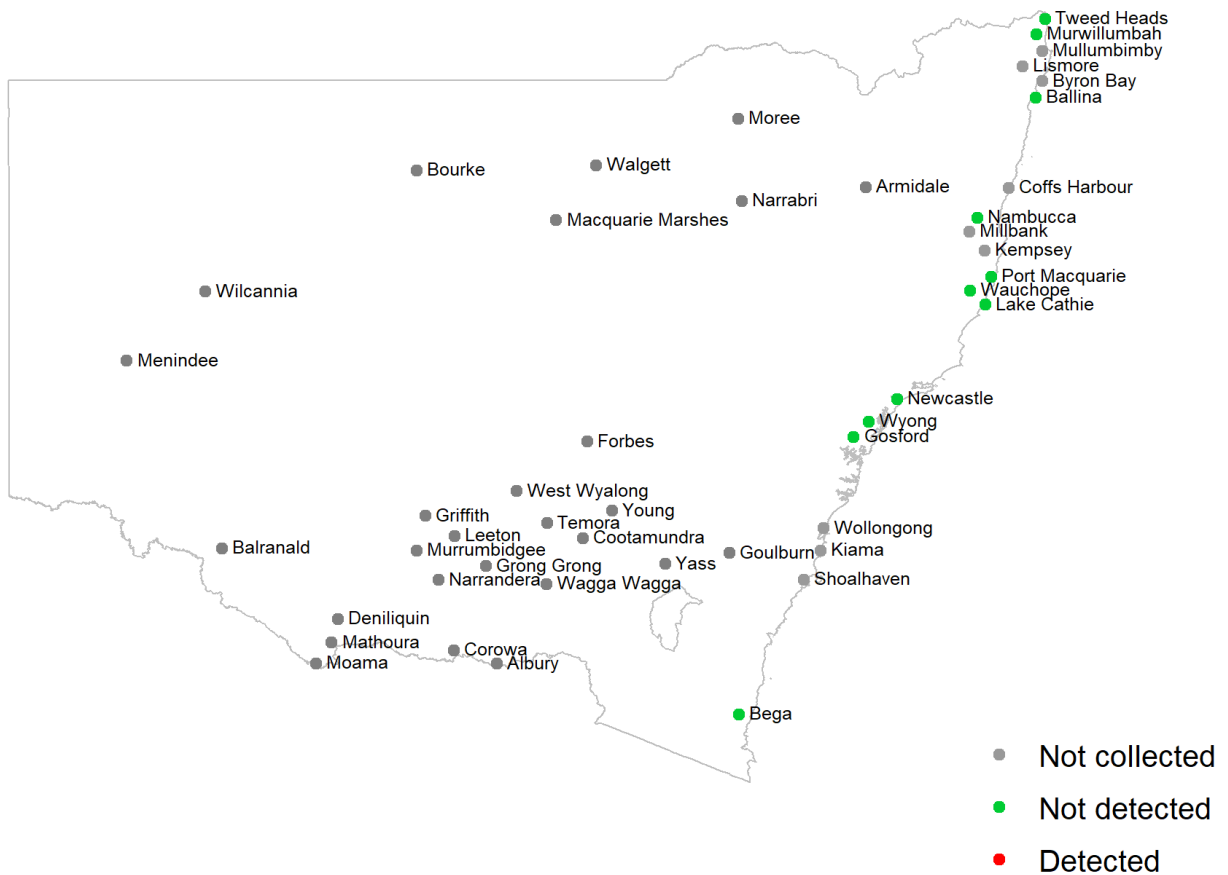
Whole grinds of collected mosquitoes are tested for arbovirus nucleic acids to determine the presence of arboviruses in mosquitoes. Test results for detections of Ross River virus, Barmah Forest virus, Murray Valley encephalitis virus, Kunjin virus and Japanese encephalitis virus for the past week are shown in the maps below. Detections of all arboviruses (including Edge Hill virus and Stratford virus) for the season are detailed in the table.

### Test results for mosquito trapping sites reported in the week ending 29 April 2023

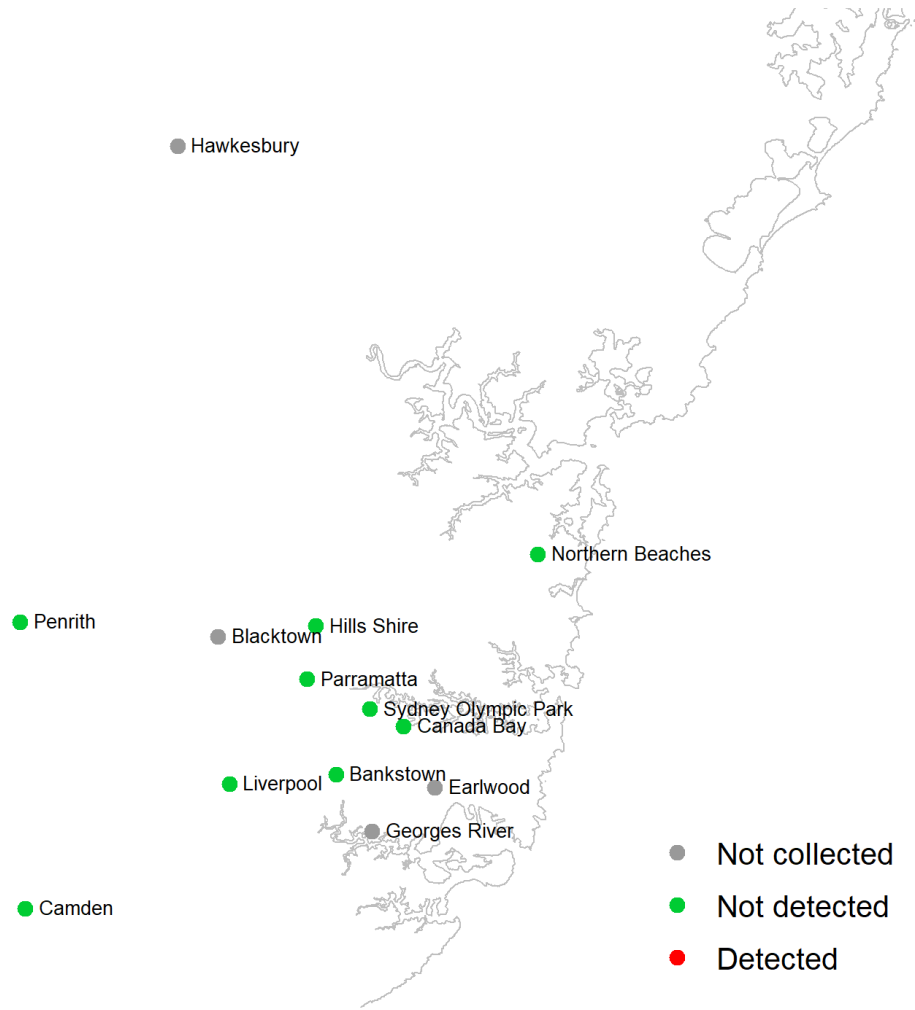
There were no arbovirus detections in mosquitoes in the week ending 29 April 2023.

Note, mosquito trapping at inland sites has ended for the 2022-2023 surveillance season.

#### Inland and Coastal sites



## Sydney sites



## Arboviruses detected in the 2022-2023 surveillance season

| Date of sample collection | Location          | Virus                      |
|---------------------------|-------------------|----------------------------|
| 14 November 2022          | Macquarie Marshes | Barmah Forest              |
| 15 November 2022          | Griffith          | Ross River                 |
| 22 November 2022          | Griffith          | Barmah Forest              |
| 5 December 2022           | Leeton            | Barmah Forest              |
| 5 December 2022           | Temora            | Ross River                 |
| 5 December 2022           | Grong Grong       | Edge Hill                  |
| 6 December 2022           | Deniliquin        | Barmah Forest              |
| 6 December 2022           | Griffith          | Barmah Forest              |
| 12 December 2022          | Grong Grong       | Barmah Forest              |
| 13 December 2022          | Penrith           | Edge Hill                  |
| 4 January 2023            | Menindee          | Murray Valley encephalitis |
| 9 January 2023            | Corowa            | Ross River                 |
| 9 January 2023            | Corowa            | Edge Hill                  |
| 9 January 2023            | Young             | Barmah Forest              |
| 10 January 2023           | Griffith          | Murray Valley encephalitis |
| 10 January 2023           | Menindee          | Murray Valley encephalitis |
| 16 January 2023           | Griffith          | Murray Valley encephalitis |
| 17 January 2023           | Mathoura          | Murray Valley encephalitis |
| 17 January 2023           | Moama             | Murray Valley encephalitis |
| 23 January 2023           | Macquarie Marshes | Murray Valley encephalitis |
| 23 January 2023           | Macquarie Marshes | Kunjin                     |
| 23 January 2023           | Temora            | Murray Valley encephalitis |
| 23 January 2023           | Griffith          | Kunjin                     |
| 23 January 2023           | Balranald         | Murray Valley encephalitis |
| 30 January 2023           | Albury            | Murray Valley encephalitis |
| 30 January 2023           | Mathoura          | Murray Valley encephalitis |
| 31 January 2023           | Leeton            | Murray Valley encephalitis |
| 6 February 2023           | Griffith          | Murray Valley encephalitis |
| 13 February 2023          | Macquarie Marshes | Murray Valley encephalitis |
| 13 February 2023          | Corowa            | Murray Valley encephalitis |
| 19 February 2023          | Moree             | Edge Hill                  |
| 20 February 2023          | Corowa            | Murray Valley encephalitis |
| 21 February 2023          | Deniliquin        | Murray Valley encephalitis |
| 6 March 2023              | Kiama             | Stratford                  |
| 7 March 2023              | Wyang             | Stratford                  |
| 7 March 2023              | Penrith           | Stratford                  |
| 12 March 2023             | Macquarie Marshes | Murray Valley encephalitis |
| 13 March 2023             | Narrandera        | Ross River                 |
| 13 March 2023             | Georges River     | Stratford                  |
| 21 March 2023             | Northern Beaches  | Stratford                  |
| 23 March 2023             | Gosford           | Barmah Forest              |
| 23 March 2023             | Gosford           | Stratford                  |
| 3 April 2023              | Port Macquarie    | Stratford                  |
| 3 April 2023              | Newcastle         | Edge Hill                  |
| 11 April 2023             | Newcastle         | Edge Hill                  |

Note:

Human cases of Edge Hill virus and Stratford virus have rarely been reported. Infection may present as a mild self-limiting febrile illness with body aches.

## Mosquito Abundance

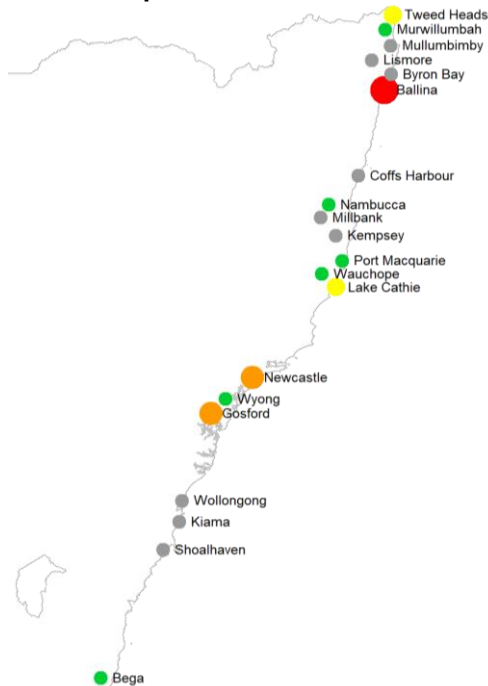
This section details counts of mosquitoes in the NSW Arbovirus Surveillance and Mosquito Monitoring Program. Each location represents the count average for all trapping sites at that location for the most recent week that collections were provided prior to preparation of this report.

*Culex annulirostris* and *Aedes vigilax* are vectors of interest for Ross River virus and Barmah Forest virus, *Culex annulirostris* is also a vector for Japanese encephalitis virus.

### Mosquito counts (average per trap per location) for mosquito trapping sites reported in the week ending 29 April 2023

#### Coastal sites

#### Total mosquito counts



#### Key:

- No collection
- Low (<50)
- Medium (50-100)
- High (101-1,000)
- Very high (1,001-10,000)
- Extreme (>10,000)

#### *Culex annulirostris* counts



#### *Aedes vigilax* counts





## Sydney sites Total mosquito counts



### Key:

- No collection
- Low (<50)
- Medium (50-100)
- High (101-1,000)
- Very high (1,001-10,000)
- Extreme (>10,000)

## *Culex annulirostris* counts



## *Aedes vigilax* counts



**Mosquito counts for the 2022-23 surveillance season**  
**Inland (mosquito trapping has ended for the 2022-23 season)**

“*Cx. annul*” refers to *Culex annulirostris* and “*Ae. vigilax*” refers to *Aedes vigilax*.

**Key:**

- No collection
- Low (<50)
- Medium (50-100)
- High (101-1,000)
- Very high (1,001-10,000)
- Extreme (>10,000)

| Location     | Mosquito         | WEEK ENDING |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
|--------------|------------------|-------------|----|----|--------|----|----|----|--------|----|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|--------|---|----|----|--------|---|----|--|--|--|
|              |                  | Oct-22      |    |    | Nov-22 |    |    |    | Dec-22 |    |    |    |    | Jan-23 |    |    |    | Feb-23 |    |    |    | Mar-23 |    |    |    | Apr-23 |   |    |    | May-23 |   |    |  |  |  |
|              |                  | 15          | 22 | 29 | 5      | 12 | 19 | 26 | 3      | 10 | 17 | 24 | 31 | 7      | 14 | 21 | 28 | 4      | 11 | 18 | 25 | 4      | 11 | 18 | 25 | 1      | 8 | 15 | 22 | 29     | 6 | 13 |  |  |  |
| Albury       | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Albury       | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Armidale     | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Armidale     | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Balranald    | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Balranald    | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Bourke       | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Bourke       | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Cootamundra  | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Cootamundra  | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Corowa       | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Corowa       | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Deniliquin   | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Deniliquin   | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Forbes       | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Forbes       | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Goulburn     | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Goulburn     | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Griffith     | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Griffith     | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Grong Grong  | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Grong Grong  | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Leeton       | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Leeton       | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Macquarie    | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Macquarie    | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Marshes      | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Marshes      | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Mathoura     | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Mathoura     | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Menindee     | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Menindee     | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Moama        | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Moama        | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Moree        | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Moree        | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Murrumbidgee | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Murrumbidgee | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Narrabri     | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Narrabri     | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Narrandera   | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Narrandera   | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Temora       | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Temora       | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Wagga Wagga  | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Wagga Wagga  | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Walgett      | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Walgett      | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| West Wyalong | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| West Wyalong | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Wilcannia    | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Wilcannia    | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Yass         | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Yass         | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Young        | <i>Cx. annul</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |
| Young        | Total            |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |  |  |  |

# Coastal

|                |                    | WEEK ENDING |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|----------------|--------------------|-------------|----|----|--------|----|----|----|--------|----|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|--------|---|----|--------|----|---|----|
|                |                    | Oct-22      |    |    | Nov-22 |    |    |    | Dec-22 |    |    |    |    | Jan-23 |    |    |    | Feb-23 |    |    |    | Mar-23 |    |    |    | Apr-23 |   |    | May-23 |    |   |    |
| Location       | Mosquito           | 15          | 22 | 29 | 5      | 12 | 19 | 26 | 3      | 10 | 17 | 24 | 31 | 7      | 14 | 21 | 28 | 4      | 11 | 18 | 25 | 4      | 11 | 18 | 25 | 1      | 8 | 15 | 22     | 29 | 6 | 13 |
| Ballina        | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
| Bega           | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
| Byron Bay      | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
| Coffs Harbour  | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
| Gosford        | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
| Kempsey        | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
| Kiama          | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
| Lake Cathie    | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
| Lismore        | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
| Millbank       | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
| Mullumbimby    | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
| Murwillumbah   | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
| Nambucca       | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
| Newcastle      | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
| Port Macquarie | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
| Shoalhaven     | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
| Tweed Heads    | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
| Wauchope       | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
| Wollongong     | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
| Wyong          | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |
|                | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |        |    |   |    |

Sydney

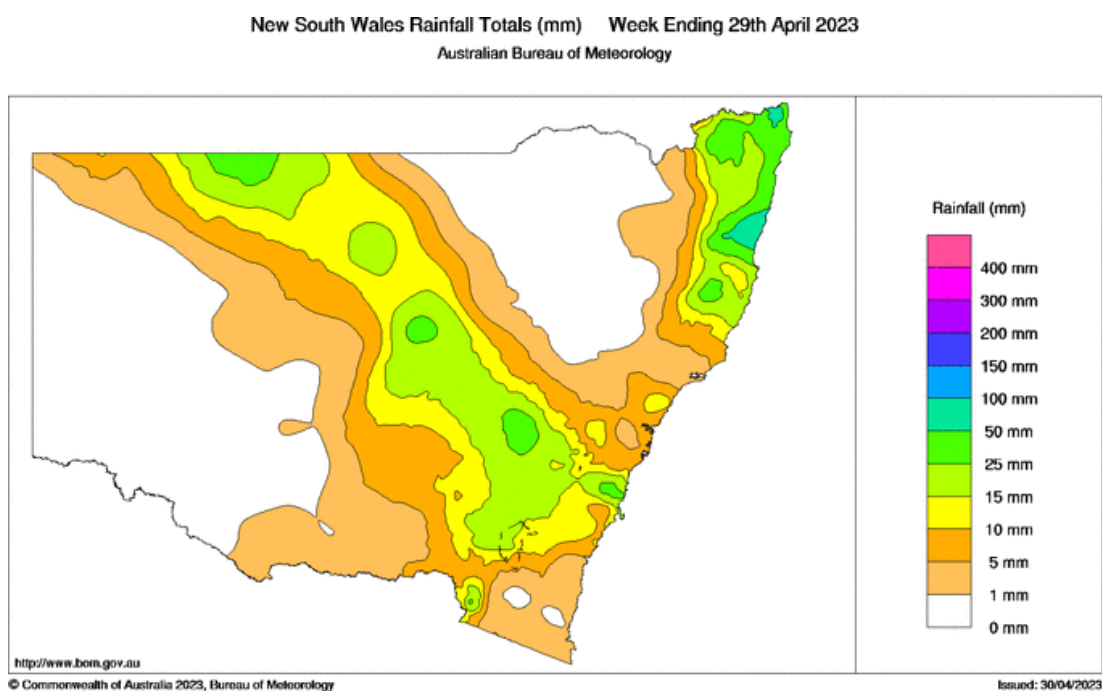
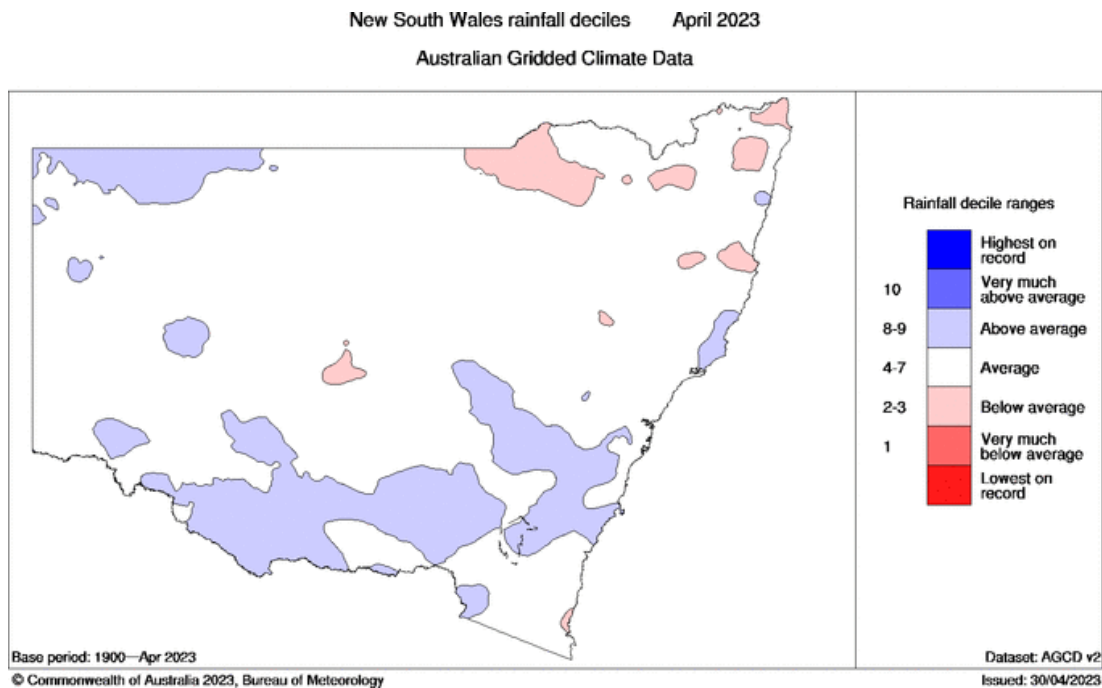
|                     |                    | WEEK ENDING |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|---------------------|--------------------|-------------|----|----|--------|----|----|----|--------|----|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|--------|---|----|----|--------|---|----|
|                     |                    | Oct-22      |    |    | Nov-22 |    |    |    | Dec-22 |    |    |    |    | Jan-23 |    |    |    | Feb-23 |    |    |    | Mar-23 |    |    |    | Apr-23 |   |    |    | May-23 |   |    |
| Location            | Mosquito           | 15          | 22 | 29 | 5      | 12 | 19 | 26 | 3      | 10 | 17 | 24 | 31 | 7      | 14 | 21 | 28 | 4      | 11 | 18 | 25 | 4      | 11 | 18 | 25 | 1      | 8 | 15 | 22 | 29     | 6 | 13 |
| Bankstown           | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
| Blacktown           | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
| Camden              | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
| Canada Bay          | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
| Earlwood            | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
| Georges River       | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
| Hawkesbury          | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
| Hills Shire         | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
| Liverpool           | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
| Northern Beaches    | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
| Parramatta          | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
| Penrith             | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
| Sydney Olympic Park | <i>Cx. annul</i>   |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | <i>Ae. vigilax</i> |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |
|                     | Total              |             |    |    |        |    |    |    |        |    |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |   |    |    |        |   |    |

## Environmental Conditions

Mosquitoes require water to breed. Rainfall and tides (for the salt marsh mosquito, *Aedes vigilax*) are important contributing factors for proliferation of mosquito numbers. Unseasonably warm weather can also contribute to higher mosquito numbers.

### Rainfall

In April, rainfall was generally about average in NSW with some areas in the south of the state receiving above average rainfall and below average in isolated areas of the northeast. In the week ending 29 April 2023, there was low to moderate rainfall in a band extending from the northwest to the southeast of the state and along the north and mid-north coast.



Source: Australian Government, Bureau of Meteorology, <http://www.bom.gov.au/climate/maps/rainfall>

## Next month's rainfall and temperature outlook

The Bureau of Meteorology's rainfall outlook predicts that in May, there is likely to be below average rainfall across all of NSW.

[www.bom.gov.au/climate/outlooks/#/rainfall/median/monthly/0](http://www.bom.gov.au/climate/outlooks/#/rainfall/median/monthly/0)

The Bureau of Meteorology's temperature outlook predicts that minimum temperatures are likely to be below average in northern inland areas and about average elsewhere in May. Maximum temperatures are likely to be above average across most of the state and about average along the coast and Victorian border.

[www.bom.gov.au/climate/outlooks/#/temperature/minimum/median/monthly/0](http://www.bom.gov.au/climate/outlooks/#/temperature/minimum/median/monthly/0)

[www.bom.gov.au/climate/outlooks/#/temperature/maximum/median/monthly/0](http://www.bom.gov.au/climate/outlooks/#/temperature/maximum/median/monthly/0)

## Tides

Tidal information is relevant for the prediction of the activity of the salt marsh mosquito, *Aedes vigilax*. Typically for NSW, high tides of over 1.8 m, as measured at Sydney, can induce hatching of *Aedes vigilax* larvae. Predicted tide heights can provide some indication of when this is likely to occur.

### Dates of predicted high tides of over 1.8 m at Sydney (Fort Denison)

- 5-9 May

Source: Australian Government, Bureau of Meteorology: [www.bom.gov.au/australia/tides/#/nsw-sydney-fort-denison](http://www.bom.gov.au/australia/tides/#/nsw-sydney-fort-denison)

Note: Measured tides at Sydney Port Jackson for the current week are available from the NSW Government, Manly Hydraulics Laboratory: <https://mhl.nsw.gov.au/Data-OceanTide>.

## Human Arboviral Disease Notifications

Under the *NSW Public Health Act 2010*, human arboviral infections are notifiable in NSW. The NSW Health Communicable Diseases Weekly Report (CDWR) reports confirmed and probable case numbers by the week they are received by the NSW notifiable diseases surveillance system, and is available at: [www.health.nsw.gov.au/Infectious/reports/Pages/CDWR.aspx](http://www.health.nsw.gov.au/Infectious/reports/Pages/CDWR.aspx).

The data for Ross River virus and Barmah Forest virus from the CDWR for the latest reported 3 weeks are below.

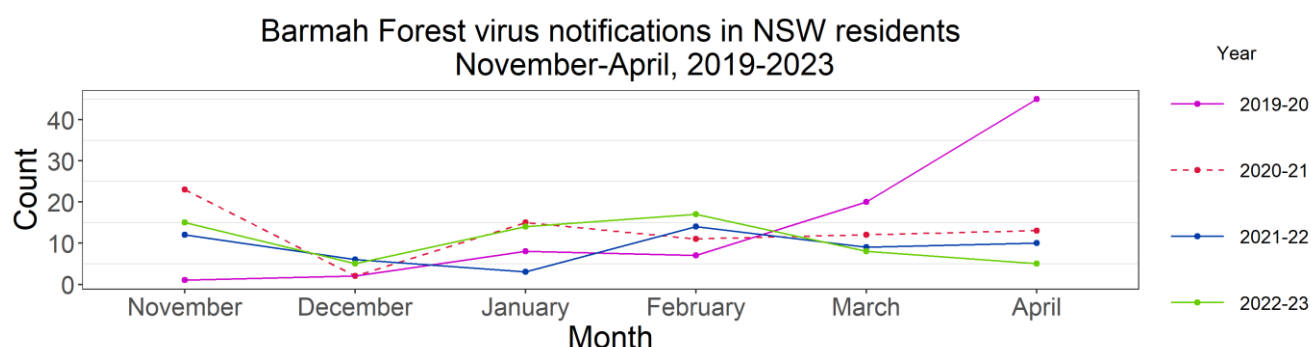
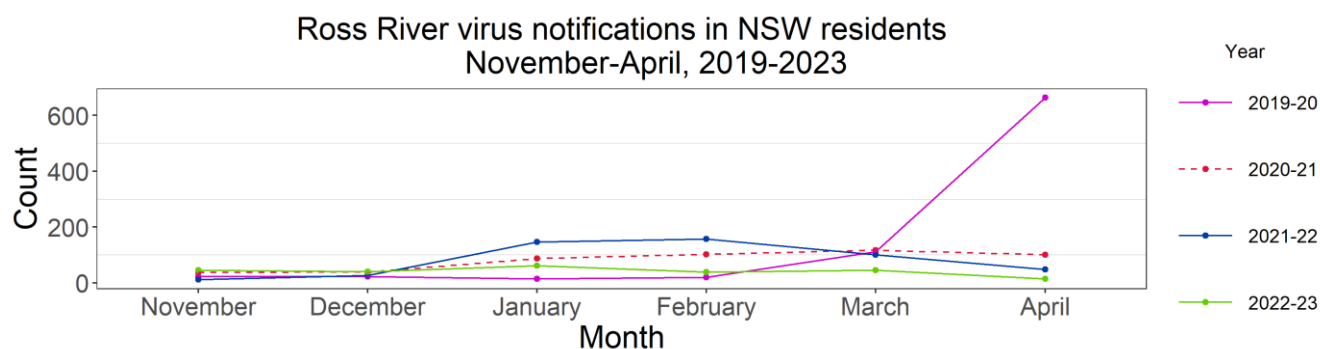
### Recent notifications of Ross River virus and Barmah Forest virus infections in humans

(by date of case report received)

|                            | Week                              |                                   |                                   |
|----------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
|                            | Latest week<br>(16 – 22 Apr 2023) | 1-week prior<br>(9 – 15 Apr 2023) | 2-weeks prior<br>(2 – 8 Apr 2023) |
| <b>Ross River virus</b>    | 4                                 | 5                                 | 8                                 |
| <b>Barmah Forest virus</b> | 5                                 | 0                                 | 1                                 |

Source: CDWR, Communicable Diseases Branch, Health Protection NSW, NSW Health

Notifications of Ross River virus and Barmah Forest virus infections, by month of disease onset (the earlier of patient-reported onset or specimen collection date), are available online at: [www1.health.nsw.gov.au/IDD/pages/data.aspx](http://www1.health.nsw.gov.au/IDD/pages/data.aspx). The following figures show this data for November to April of the current NSW Arbovirus Surveillance and Mosquito Monitoring season (2022-2023), and the same period in the previous three years.



Source: NSW Health Notifiable Conditions Information Management System (NCIMS), Communicable Diseases Branch and Centre for Epidemiology and Evidence, NSW Health

Notes: The data for the previous month are the notifications to date (data extracted on 1 May 2023). Notifications are for NSW residents, regardless of whether the infection was acquired or diagnosed in NSW. Notifications of Ross River virus and Barmah Forest virus infection lag the date of acquiring the infection due to the time taken for symptom development, diagnosis, notification, and other factors. The weekly numbers by date of notification are useful for monitoring recent short-term trends but represent infections that were acquired some time ago. The monthly numbers by date of onset are more timely but less exact because they represent the earlier of patient-reported onset or specimen collection date and are therefore useful for monitoring general trends in human arboviral disease over the course of a season.