



River Murray Mosquito surveillance and control subsidy funding



Government
of South Australia

SA Health



Local council Mosquito Management Subsidy

- > Mosquito management including surveillance and control
- > Prioritised on the basis of public health risk and secondly on amenity benefit
- > Retrospectively funds up to 50% of costs
- > Adult mosquito surveillance September to April.



Local council Mosquito Management Subsidy *cont.*

- > Minor surveillance or larval control equipment and consumables
- > Larval control
- > Specialised equipment/vehicle hire
- > Course fees for mosquito management training
- > Production and advertising costs - health promotion.

Mosquito trap locations in South Australia for 2019-20

Health Protection Programs Traps (Red)

Mid Murray Council Traps (Maroon)

Alexandrina Council Traps (Orange)

Coorong District Council Traps (Navy Blue)



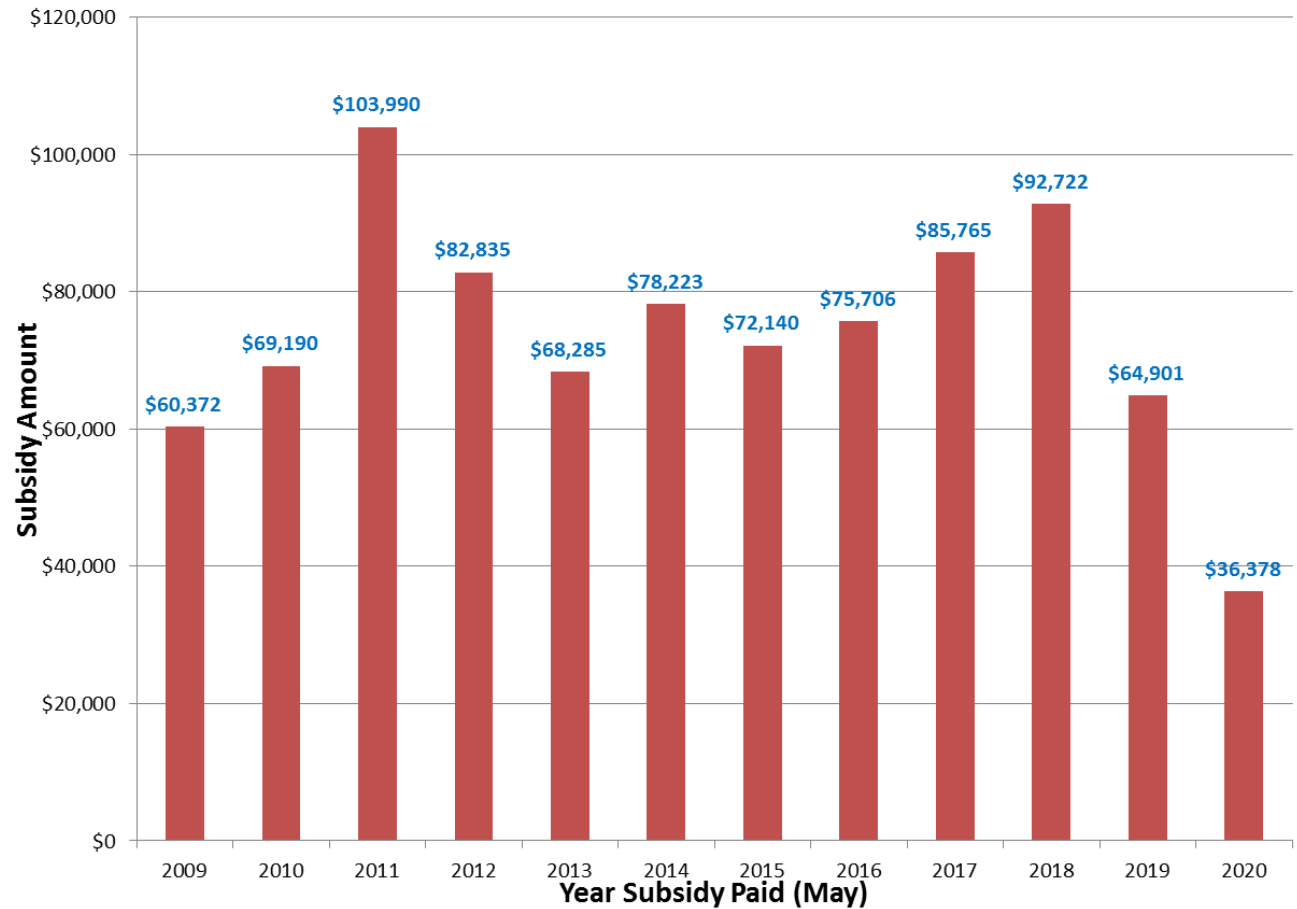
Renmark Paringa Council Traps (Green)

Berri Barmera Council Traps (Purple)

District Council of Loxton Waikerie Traps (Yellow)

Rural City of Murray Bridge Traps (Light Blue)

Local council Mosquito Management Subsidy review



Westmead



Enumeration

- > 'low' (<50 per trap)
- > 'moderate' (50-100 per trap)
- > 'high' (101-1,000 per trap)
- > 'very high' (>1,000 per trap)
- > 'extreme' (>10,000 per trap).

Identification to species level

Viral screening

- > Ross River Virus
- > Barmah Forest Virus
- > Murray Valley Encephalitis Virus
- > Kunjin Virus



Successes and challenges

Successes

- > Improved data
- > Increased skills capacity for EHO's
- > Reduced cost to council

Challenges

- > Managing change
- > Decreased budget
- > Some procedural duplication

Improvements

- > Streamlined processes
- > Requesting and responding to feedback

Reporting requirements

Councils are required to submit :

- > Monthly reports
- > Westmead report and request form
- > End of season claim form.

Health Protection Programs

Monthly Local Council Report

Mosquito surveillance and arbovirus prevention 2020-2021
 The information provided in this report is collated and assessed along with sentinel surveillance, mosquito viral analysis results and climate predictions. This is used to inform the Department for Health and Wellbeing's ongoing arbovirus disease risk assessment and planning for arbovirus prevention in South Australia.

To be eligible for financial assistance under the SA Health mosquito management subsidy funding program, local councils must complete and submit this report to Health Protection Programs monthly from September to April.

Councils that engage contractors for mosquito surveillance and/or control activities may choose to arrange for relevant reporting components to be provided by the contractor directly to Health Protection Programs in their standard reporting format (assuming the minimum required information is included and provided within the specified time frame).

COUNCIL NAME: _____

DATE: _____

REPORTING PERIOD (month/year): _____

DUE DATE: _____

COMPLAINTS:
 Please detail all mosquito related complaints received by council during the reporting month individually in the table below. Please add more rows to the table as required.

Complaint address or catching coordinates	Complaint summary - details of complaint	Investigation undertaken	Findings and action taken

Comments: _____

ADULT MOSQUITO SURVEILLANCE TRAPPING:
 Please detail all adult trapping surveillance conducted during the reporting month.

Trap Name	Trap date	Set time	Collection time	Person / company conducting work	GPS Location	Total mosquito abundance	Species breakdown

Comments: _____

LARVAL SURVEILLANCE:
 Please detail all larval surveillance conducted during the reporting month.

Date	Time	GPS Location	Person / company conducting work	Investigation details	Larval emergence results (including species breakdown if known)

Comments: _____

VECTOR CONTROL (TREATMENT):
 Please detail all vector control conducted during the reporting month.

Date	Time	GPS Location	Person / company conducting work	Work conducted and equipment / chemical used

Comments: _____

South Australian River Murray Mosquito and Arbovirus Surveillance

Report and request form 2020-2021

Council name: _____
 Date traps set: _____
 Person who set traps: _____
 Email address for mosquito: _____

*Please also cc results to: healthprotectionprograms@sa.gov.au

Lab ID No (leave blank)	Trap code	Trap details (leave blank)	Location (lat/long) e.g. -34.52324, 138.625102

Overnight weather (circle the appropriate weather conditions)

Wind: strong / moderate / light / calm
 Cloud cover: clear / light / heavy
 Rain: heavy / light / nil
 Humidity: low / medium / high
 Temperature: Min: _____ °C Max: _____ °C

Services requested (please tick the relevant boxes)

Mosquito identification (option 1 as per quote provided to SA Health)*
 Molecular detection of viruses in mosquito grids (from Nov 2020) (combined options 1 and 2 as per quote provided to SA Health)*

*Please invoice SA Health for all costs at end of season

Submitting details:

Send live trap catches to:
 Medical Entomology
 Level 1, CEHLS, RPAH,
 Institute Road, Westmead Hospital
 Westmead NSW 2145
 Ph: 02 8996 7265
 via TNT Express | Acc: 90438773

Please retain a copy or scan of the completed form.
 Email the scan of the completed form and TNT consignment note on the day of shipping to:
cheryl.todd@health.sa.gov.au and
john.hartwig@health.sa.gov.au and
healthprotectionprograms@sa.gov.au

Sender details:
 Name: _____
 Signature: _____
 Date: _____ Contact phone number: _____
 Return address for trap bags: _____



Simplifying the process

Councils participating in the HPP program

- > are **not** required to submit pre-approval application
- > are **not** required to submit staff labour logbooks.

Councils not participating in the HPP program are required to submit a proposal and pre-approval application.



Support for Councils

- > training in setting and collecting traps
- > assistance to select appropriate locations for setting traps
- > guidance in preparing arbovirus risk management plans
- > advice on designing and implementing mosquito control programs
- > supplier information for surveillance and control equipment, consumables and chemicals
- > support for responding to media requests and provision of an expert when required.

Annual arbovirus report

> Published after the completion of each season and uploaded to www.sahealth.sa.gov.au

> Collates the following information:

- Meteorological data
- Northern Adelaide mosquito surveillance data
- River Murray mosquito surveillance data
- Arbovirus isolations from trapped mosquitoes
- Sentinel chicken program results
- Arbovirus infection notifications
- Exotic mosquito detections
- Globe Derby Park mosquito management program
- Local council mosquito management subsidy
- South Australian Arbovirus Coordinated Control and Operations Plan

South
Australian
Arbovirus and
Mosquito
Monitoring
Annual Report:
2019-2020

Health Protection Programs
Health Protection and Licensing Services



SA Health



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