

FOR INFORMATION

SWFSPP Steering Committee Annual Meeting 2024

Agenda Item 2.2

Last updated: 2 September 2024

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Screw-worm Fly Surveillance and Preparedness Program Report 2023-24**RECOMMENDATION**

1. That the SWFSPP Steering Committee NOTE the program report and performance for 2023-24 and provide any strategic direction for the upcoming year.

BACKGROUND

2. Animal Health Australia manages the SWFSPP in consultation with a committee of industry and government stakeholders. The program aims to detect an incursion early enough to ensure a high likelihood of success of an eradication program.
3. The objectives of the SWFSPP are to:
 - a. Conduct targeted surveillance for SWF nationally
 - b. Promote awareness to animal health stakeholders of the risk to Australia from SWF and an understanding of how to support the surveillance system
 - c. Monitor Australia's SWF entomology capability and capacity and provide training if required
 - d. Provide a national forum/committee to monitor and address Australia's SWF risk profile and incursion preparedness.
4. From AHA Annual Operating Plan for 2023-24 the key outcome for the year was: the capability to undertake effective surveillance for screw worm fly to ensure early detection of an incursion.

DISCUSSION**5. Financial Summary**

The total budget for the SWFSPP as approved through the business plan and AHA Annual Operating Plan for 2023-24 year was \$211,070. At the end of June 2023, the total expenditure was within budget with an overall expenditure of \$197,175 (Figure 1). The 2023-24 expenditure was impacted by prior year accruals for state and territory services for fly trapping. Over expenditure on trapping materials occurred due to the purchase of a large batch of traps to be used over the next five years. Meeting expenses for the 2023 meeting were also higher than budgeted due to the cost of holding the meeting in Broome. All other components came in under budget.

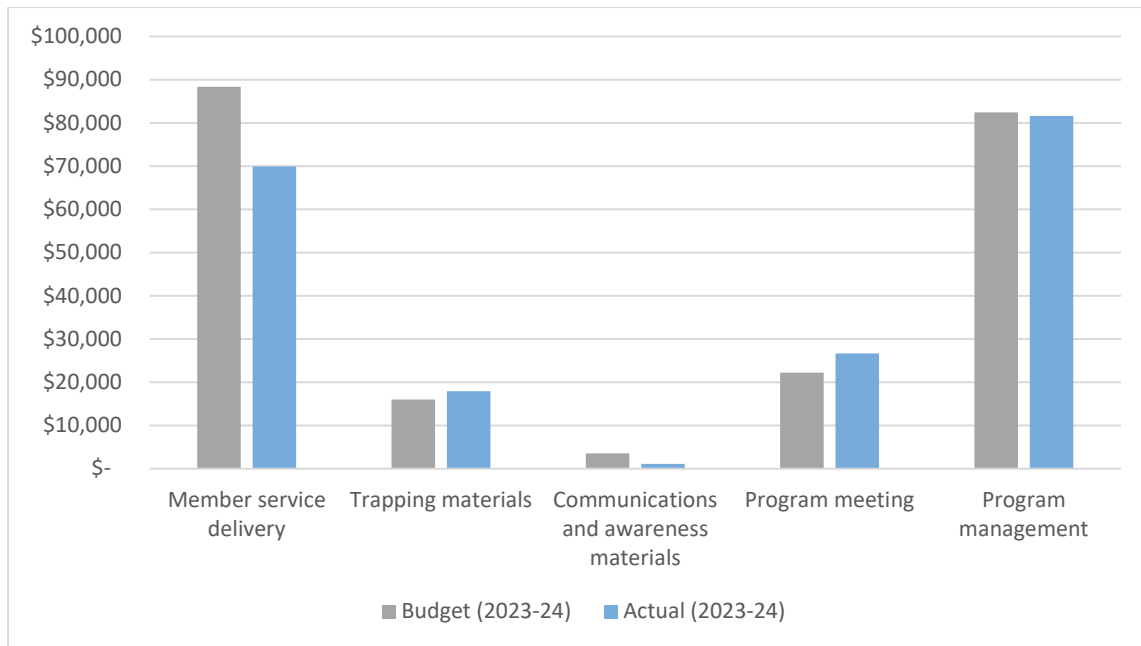


Figure 1 Project financial summary 2023-24

Note the figure for member service delivery is affected by prior and current year accruals.

Table 1 Deliverables and performance

Key output/deliverable 2023-24	Target	Outcome	Comment
Fly trapping data reported to NAHIS	Quarterly (NAHIS reporting schedule)	Complete for 2023-24	Details of fly trapping data in Appendix A.
Myiasis monitoring data reported to NAHIS	Quarterly (NAHIS reporting schedule)	Complete for 2023-24	Details of myiasis data in Appendix A.
Myiasis collection kits distributed to target audience and extension work undertaken	Ongoing	Complete for 2023-24	No outstanding requirements. See coordinator reports for details on passive surveillance.
SWF web pages maintained	Ongoing	Complete for 2023-24	AHA program website maintained.
Communication awareness materials maintained (currency of content; in stock) available and in-use by target audience.	Ongoing	Complete for 2023-24	Poster, brochure, and magnet are all up to date. Redevelopment of the video occurred in the first half of 2024 and has been uploaded to the program website. Discussion under agenda item 6.1 on future needs, adjustments and distribution of materials. AHA presented at the 2024 NSW DPI district veterinarian conference on the SWF program.

Key output/deliverable 2023-24	Target	Outcome	Comment
Entomology training workshop delivered.	2025	Not yet commenced	The next workshop is planned to be held in 2025.
Entomology reference materials reviewed and acquired/republished as required.	Ongoing	On track	A stocktake of available reference specimens is included as an appendix to the business plan. Any required updates or requirements for reference materials will be discussed under agenda item 5.1.
Steering Committee updated on international SWF situation including distribution, outbreaks, research and development, other matters of potential importance for Australia.	Presented to annual meeting.	On track	To be discussed under agenda Item 3.2 and Item 5.1.
Steering Committee updated on domestic SWF situation including research and development, minor use permits and other matters of potential importance for Australia	Presented to annual meeting.	On track	Minor use permits for OWS remain in force with the APVMA through to 31 October 2026 https://permits.apvma.gov.au/PER90398.PDF AHA is in consultation with Biosecurity Commons on potential use of their tools as an alternative to the obsolete agent-based modelling software. The literature review and risk analysis work to be undertaken will support and inform next steps in this space.

Appendix A: Monitoring and Performance Plan

Appendix A

Table 1 Schedule of SWF trapping plans and number of trapping events conducted by quarter, July 2023 to June 2024 (as at 2 September 2024)

Fly trap location	Site code	Agency	No. traps	Planned trapping fq/yr	Total trapping events planned	Number of trapping events conducted					
						Jul-Sep 2023	Oct-Dec 2023	Jan-Mar 2024	Apr-Jun 2024	Total events complete	% complete
Broome	BRO	DPIRD	3	12	36	9	9	7	9	34	94
Fremantle	FRE	DPIRD	3	12	36	6	12	9	6	33	92
Geraldton	GER	DPIRD	3	12	36	9	9	9	9	36	100
Wyndham	WND	DPIRD	4	9	36	9	6	14	9	38	106
Darwin wharf	EAW	NT DPIF	1	12	12	3	3	3	3	12	100
Darwin other	Various	NT DPIF	6	6	36	9	9	9	9	36	100
Townsville	Various	Qld DAF	6	6	36	12	6	6	12	36	100
Northern Peninsula Area	Various	NAQS	15	4	60	15	15	0	0	30	50
Total			41	NA	288	72	69	57	57	255	89

Table 2 Schedule of targeted myiasis plans and number of inspections conducted by quarter, July 2022 to June 2023 (as at 2 September 2024)

Monitoring site	Agency	Survey fq/yr	Min no. animals inspected/survey	Total inspections planned	Jul-Sep 2023		Oct-Dec 2023		Jan-Mar 2024		Apr-Jun 2024		Total animals inspected
					# myiasis surveys	Total # animals	# myiasis surveys	Total # animals	# myiasis surveys	Total # animals	# myiasis surveys	Total # animals	
Northern Territory													
Garrihiya, East Arnhem Land, NAMP sentinel herd T080	NAQS	12	10-15 cattle	120-180	2	21	3	28	0	0	0	0	49
Gunbalanya, West Arnhem Land, NAMP sentinel herd T121	NAQS	12	10-15 cattle	120-180	0	0	0	0	0	0	0	0	0
Darwin Periphery Berrimah Export Yards BEY, Adelaide River Bridge Creek Export Yards BCEY, Coomalie Holding Depot COOM, Santavan Export yards SEY	NT DPIR	12	50 cattle	600	0	0	10	1,952	5	193	9	880	3,025
NAMP Sentinel Herds Douglas Daly Research Station T122, Coomalie Holding Depot COOM, CPRS 108	NT DPIR	12	10-15 cattle	120-180	19	381	19	381	19	313	19	307	1,382
Top end region (northern NT) – various locations	NAQS	5	10-50 various feral animals	50-250	0	0	0	0	0	0	0	0	0
Queensland													

Monitoring site	Agency	Survey fq/yr	Min no. animals inspected/survey	Total inspections planned	Jul-Sep 2023		Oct-Dec 2023		Jan-Mar 2024		Apr-Jun 2024		Total animals inspected
					# myiasis surveys	Total # animals	# myiasis surveys	Total # animals	# myiasis surveys	Total # animals	# myiasis surveys	Total # animals	
Torres Strait Islands and Northern Peninsula Area	NAQS	1	10-50 various domestic animals	10-50	0	0	0	0	0	0	0	0	0
York Downs , Coen, NAMP sentinel herd Q145	NAQS	12	10-15 cattle	120-180	3	53	3	78	0	0	0	0	131
Bertiehaugh , Coen, NAMP sentinel herd Q379	NAQS	12	10-15 cattle	120-180	0	0	0	0	0	0	0	0	0
Cape York Peninsula (Far North Queensland) – various locations	NAQS	5	10-50 various feral animals	50-250	0	0	0	0	0	0	0	0	0
Western Australia													
Broome Feedlot/Export Depot and sentinel herd (W131)	DPIRD	10 (excl. Jan, Feb)	50 head (if av. wound rate 8%)	500	8	2,042	10	2,141	1	0	0	0	4,183
Kalumburu (W012)	NAQS	2	20-30 cattle	40-60	0	0	1	55	0	0	0	0	55
Kimberly region (northern Western Australia) – various regions	NAQS	5	10-50 various feral animals	50-250	7	1,923	0	0	0	0	0	0	1,923
Total		97		1,900-2,860	39	4,420	46	4,635	25	506	28	1,187	10,748

Table 3 Disease investigations (general surveillance) for Old World and New World screw-worm fly as listed in the National Notifiable Disease Investigation project of NAHIS, July 2023 to June 2024

Species	Date	Location	Finding	Investigation	Outcome
Sheep	10/10/2023	W7140: Pingelly	PHY	<i>Cochliomyia hominivorax</i>	Negative
Sheep	13/10/2023	W7140: Pingelly	PHY	<i>Cochliomyia hominivorax</i>	Negative
Dog	15/02/2024	D: Darwin and Gulf	No diagnosis	<i>Chrysomya bezziana</i> and <i>Cochliomyia hominivorax</i>	Negative
Dog	14/05/2024	K: Katherine	<i>Lucilia cuprina</i>	<i>Chrysomya bezziana</i> and <i>Cochliomyia hominivorax</i>	Negative
Cattle	30/05/2024	W9520: Wyndham/East Kimberley	NOT_SPEC	<i>Chrysomya bezziana</i>	Negative

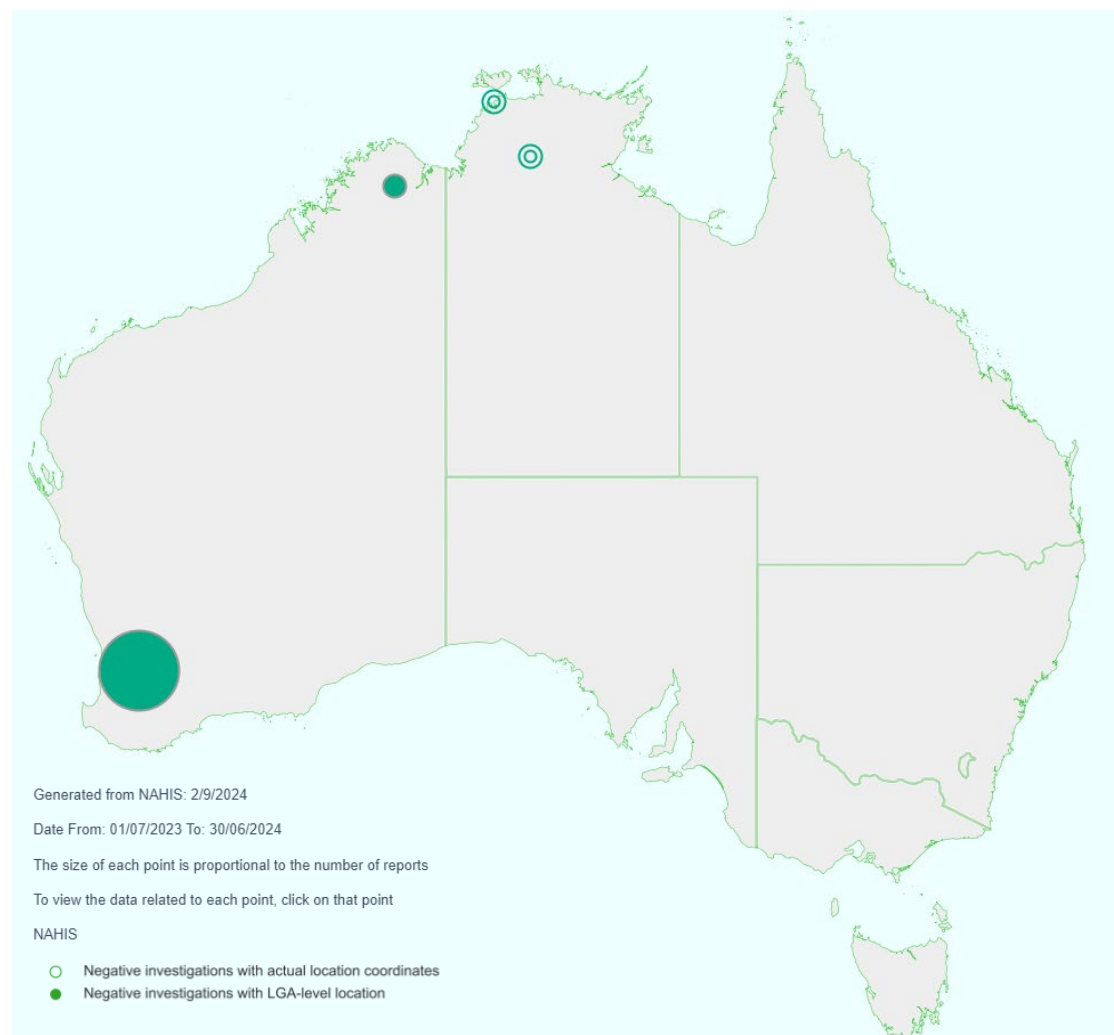


Figure 2 Location of investigations of Old World and New World screw-worm fly as listed in the National Notifiable Disease Investigation project of NAHIS, July 2023 to June 2024

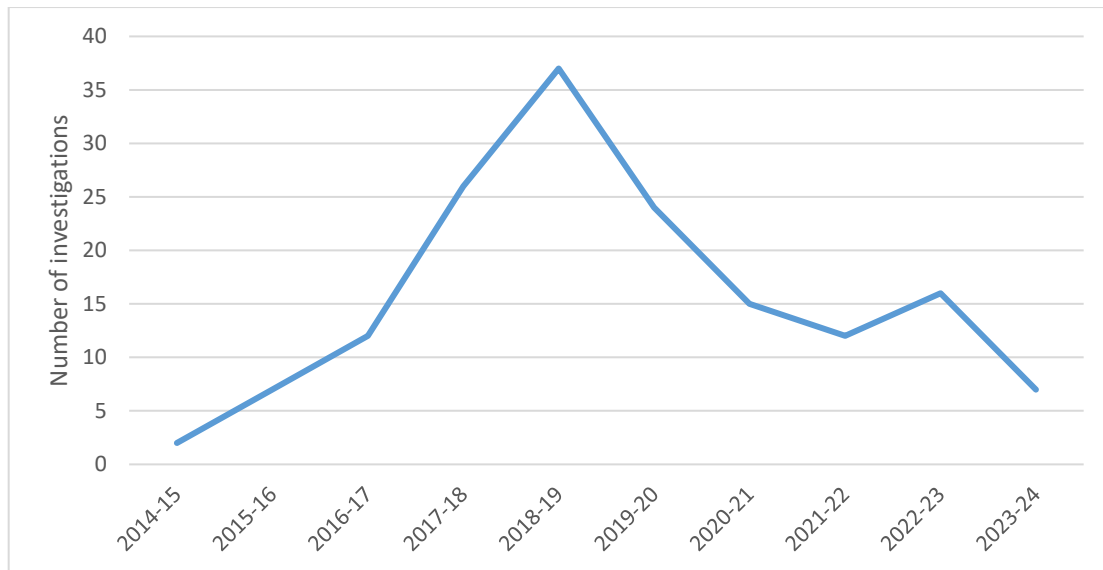


Figure 3 Number of screw-worm fly (Old World and/or New World) investigations reported in NAHIS for the period 1 July 2014 to 30 June 2024.

Note: one investigation typically results in the exclusion of both Old World and New World SWF (i.e. a count of 2)