

FOR INFORMATION

SWFSPP Steering Committee Annual Meeting 2021

Agenda Item 1.2

Last updated: 3 March 2022

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Screw-worm Fly Surveillance and Preparedness Program Status Report 2021**RECOMMENDATION**

1. That the SWFSPP Steering Committee NOTE the program status report and performance for 2020-21 and provide any strategic direction for the 2022-23 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 2020-21 the key outcome for the year was: early detection capability for an incursion of SWF is enhanced by increased community awareness and access to appropriate sampling kits.

DISCUSSION**5. Financial Summary**

The total budget for the SWFSPP as approved through the business plan and AHA Annual Operating Plan for 2020-21 year was \$178,551. At the end of June 2021, the total expenditure was within budget with an overall expenditure of \$159,102 (Figure 1). Program management costs were higher than initially budgeted, due to the significant time spent in progressing the minor use permits with APVMA. Due to COVID-19 restrictions the entomology workshop did not proceed in 2020-21. Funds will be made available for this activity when restrictions allow.

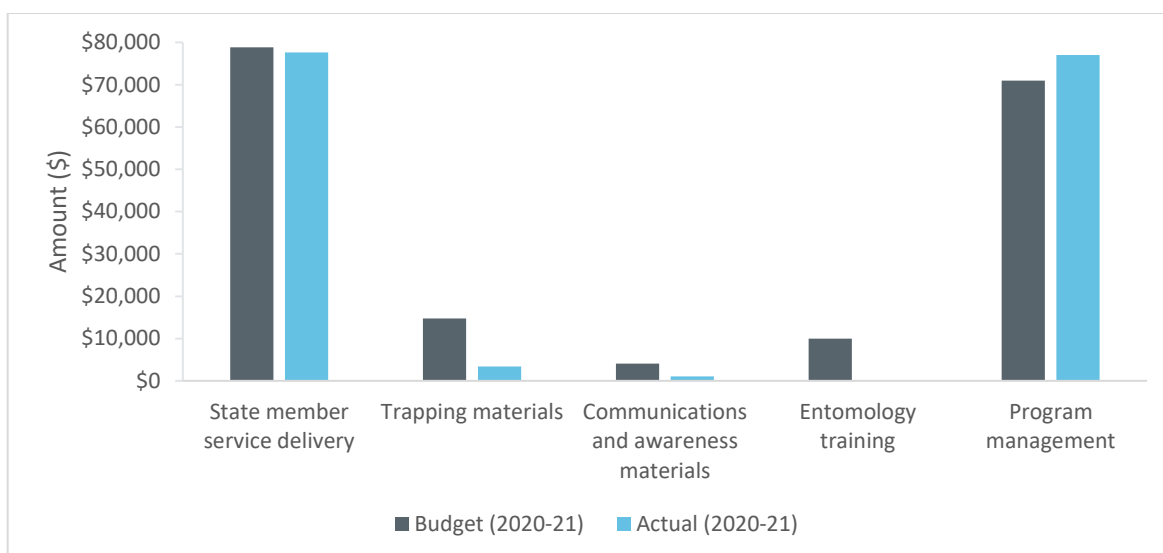


Figure 1 Project financial summary 2020-21

Note Figure for state and territory member service delivery affected by prior and current year accruals. Actual costs may vary.

Table 1 Deliverables and performance

Key output/deliverable 2020-21	Target	Outcome	Comment
Fly trapping data reported to NAHIS	Quarterly (NAHIS reporting schedule),	Complete for 2020-21	Details of fly trapping data in Appendix A.
Myiasis monitoring data reported to NAHIS	Quarterly (NAHIS reporting schedule),	Complete for 2020-21	Details of myiasis data in Appendix A.
Myiasis collection kits distributed to target audience and extension work undertaken	Ongoing	Complete for 2020-21	No outstanding requirements. See coordinator reports for details on passive surveillance.
SWF web pages maintained	Ongoing	Complete for 2020-21	AHA website was reviewed and refreshed during 2020-21. New program website published. Work to update caption on high resolution images is planned for 2022.
Communication awareness materials maintained (currency of content; in stock) available and in-use by target audience.	Ongoing	Complete for 2020-21	Updated poster finalised in early 2021. Posters distributed with 4 th edition manual. Discussion under agenda item 6.1 on future needs and any adjustments in communications and awareness materials.
Entomology training workshop delivered.	2021	Delayed	Workshop deferred due to COVID restrictions. Annual meeting to include a discussion

			around specimens available, facilitation, attendees and prior materials.
Entomology reference materials reviewed and acquired/republished as required.	Ongoing	Complete	Updates and corrections to the manual were finalised throughout 2020-21 year with digital and physical copies distributed.
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 4.4.
Steering Committee updated on domestic SWF situation including research and development and other matters of potential importance for Australia	Presented to annual meeting.	On track	To be discussed under agenda item 4.5.

Appendix A: Monitoring and Performance Plan

Appendix A

Table 1 Schedule of SWF trapping plans and number of trapping events conducted by quarter, July 2020 to June 2021

Fly trap location	Site code	Agency	No. traps	Planned trapping frequency/ year	Total trapping events planned	Number of trapping events conducted				
						Total	Jul-Sep 2020	Oct-Dec 2020	Jan-Mar 2021	Apr-Jun 2021
Broome	BRO	DPIRD	3	12	36	33	12	6	9	6
Port Headland	PHE	DPIRD	-	-	-	8	8	0	0	0
Fremantle	FRE	DPIRD	3	12	36	42	12	9	15	6
Geraldton	GER	DPIRD	3	12	36	26	2	6	9	9
Wyndham	WND	DPIRD	4	9	36	24	3	9	9	3
Darwin wharf	EAW	NT DPIF	1	12	12	12	3	3	3	3
Darwin other	Various	NT DPIF	4	8	32	36	9	9	9	9
Townsville	Various	Qld DAF	6	6	36	34	10	6	12	6
NPA	Various	NAQS	15	4	60	60	0	30	15	15
Total			39	75	284	275	59	78	81	57

Table 2 Schedule of targeted myiasis plans and number of inspections conducted by quarter, July 2020 to June 2021

Monitoring site	Agency	Survey fq/year	Min no. animals inspected per survey	Total inspections planned	Jul-Sep 2020		Oct-Dec 2020		Jan-Mar 2021		Arp-June 2021		Total
					# myiasis surveys	Total # animals	# myiasis surveys	Total # animals	# myiasis surveys	Total # animals	# myiasis surveys	Total # animals	
Northern Territory													
Garrithya, East Arnhem Land, NAMP sentinel herd T080	NAQS	6	10-15 cattle	60-90	0	0	1	11	3	32	3	29	72
Gunbalanya, Arnhem Land, NAMP sentinel herd T121 ¹	NAQS	6	10-15 cattle	60-90	1	16	1	15	3	45	2	30	106
Darwin Periphery Berrimah Export Yards BEY, Adelaide River Bridge Creek Export Yards BCEY, Coomalie Holding Depot COOM	NT DPIR	12	50 cattle	600	3	815	0	0	1	484	3	832	2,131
NAMP Sentinel Herds Douglas Daly Research Station 107, Beatrice Hill 108.	NT DPIR	12	10-15 cattle	120-180	16	372	15	348	15	348	15	348	1,416
Queensland													
Torres Strait Islands: Boigu Island, Igab Island, Marsden islet, Yorke Island (Masig), Saibai Island	NAQS	2	10-50 domestic animals	20-100	2	7	0	0	4	36	0	0	43
Northern Peninsula Area Prior NAMP herd Seisia (Q335) + broader Seisia area	NAQS	12	10-15 cattle	120-180	2	16	0	0	1	4	0	0	20

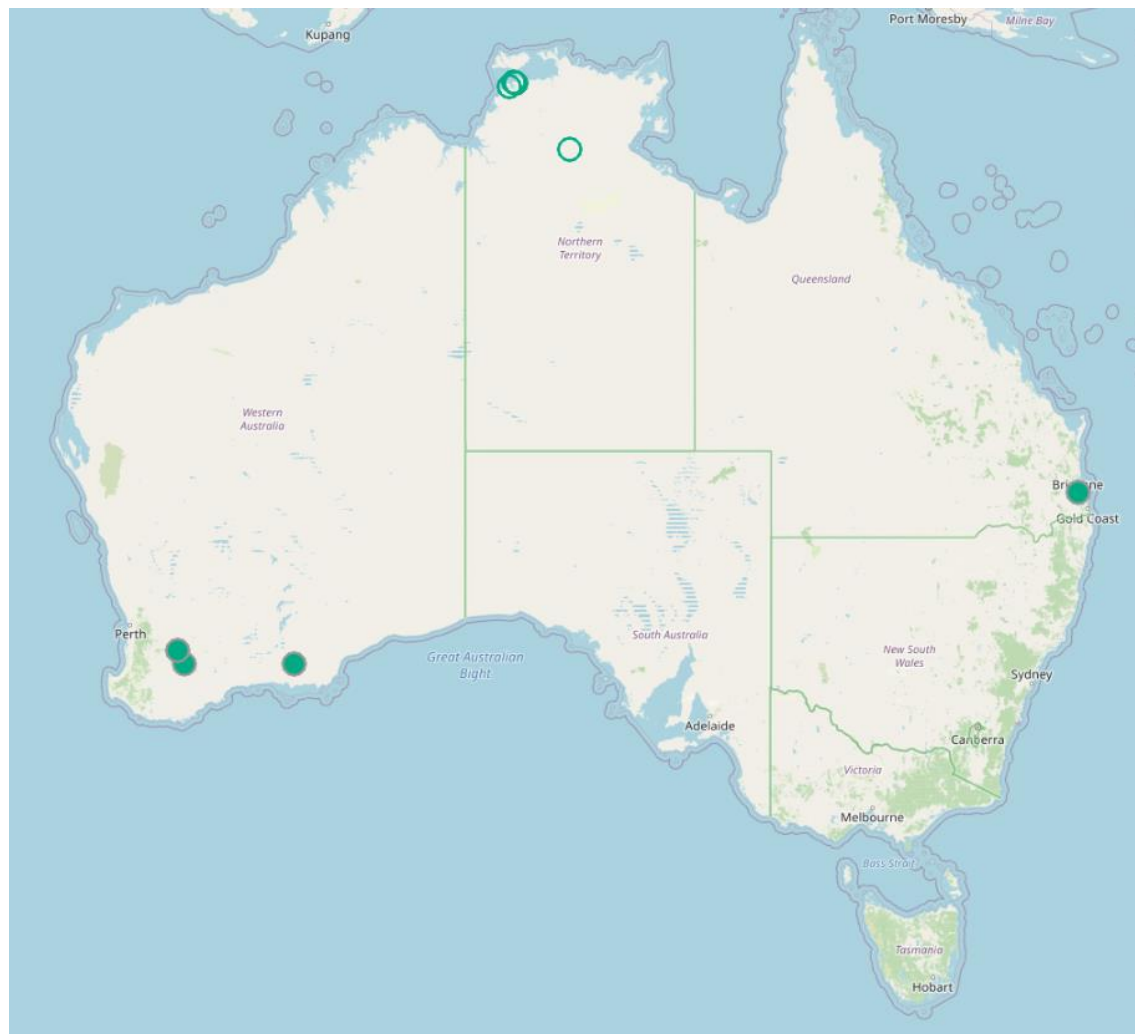
¹ Additional to schedule of activity

York Downs, Weipa (Q145)	NAQS	12	10-15 cattle	120-180	3	70	3	49	3	42	3	42	203
Merapah, Coen (Q295)	NAQS	12	10-15 cattle	120-180	1	40	2	30	0	0	1	14	84
Bertiehaugh, Weipa (Q379)	NAQS				0	0	3	48	3	48	2	22	118
Western Australia													
Broome Common Feedlot/Export Depot (W131)	DPIRD	10 (excl. Jan, Feb)	50 head (if av. wound rate 8%)	500	14	3,059	7	1,122	0	0	21	3,900	8,081
Kalumburu (W012)	NAQS	2	20-30 cattle	40-60	0	0	2	49	0	0	1	87	136
Total		68		1,880-2,340	42	4,395	35	1,687	34	1,039	50	5,290	12,410

Table 3 Disease investigations (general surveillance) for Old World SWF and New World SWF as listed in the National Notifiable Disease Investigation project of NAHIS, July 2020 to June 2021

Species	Date	Location	Finding	Investigation	Outcome
<i>Homo sapiens</i>	14/08/2020	D: Darwin and Gulf	<i>L. sericata</i>	<i>Cochliomyia hominivorax</i> and <i>Chrysomya bezziana</i>	Negative
Dog	07/08/2020	D: Darwin and Gulf	<i>C. megacephala</i> , <i>C. saffrana</i> , <i>L. cuprina</i>	<i>Cochliomyia hominivorax</i> and <i>Chrysomya bezziana</i>	Negative
Sheep	02/09/2020	W3010: Dumbleyung	PAR	<i>Chrysomya bezziana</i>	Negative
Sheep	25/09/2020	W3290: Esperance	PAR	<i>Cochliomyia hominivorax</i> and <i>Chrysomya bezziana</i>	Negative
Sheep	13/10/2020	W9100: Wickpin	UNK	<i>Cochliomyia hominivorax</i> and <i>Chrysomya bezziana</i>	Negative
Horse	11/03/2021	K: Katherine	Exclusion	<i>Cochliomyia hominivorax</i> and <i>Chrysomya bezziana</i>	Negative
Dog	10/01/2021	D: Darwin and Gulf	Exclusion	<i>Cochliomyia hominivorax</i> and <i>Chrysomya bezziana</i>	Negative
Cat	18/05/2021	QBB: Brisbane	<i>Chrysomya</i> sp.	<i>Cochliomyia hominivorax</i> and <i>Chrysomya bezziana</i>	Negative

NOTE: There was one bird investigation from QLD that excluded SWF during the 2020-21 year. This was reported in WHAs eWHIS.



Generated from NAHIS: 19/11/2021

Date From: 01/07/2020 To: 30/06/2021

The size of each point is proportional to the number of reports

To view the data related to each point, click on that point

NAHIS

- Negative investigations with actual location coordinates
- Negative investigations with LGA-level location

Figure 1 Location of investigations of Old World SWF and New World SWF as listed in the National Notifiable Disease Investigation project of NAHIS, July 2020 to June 2021

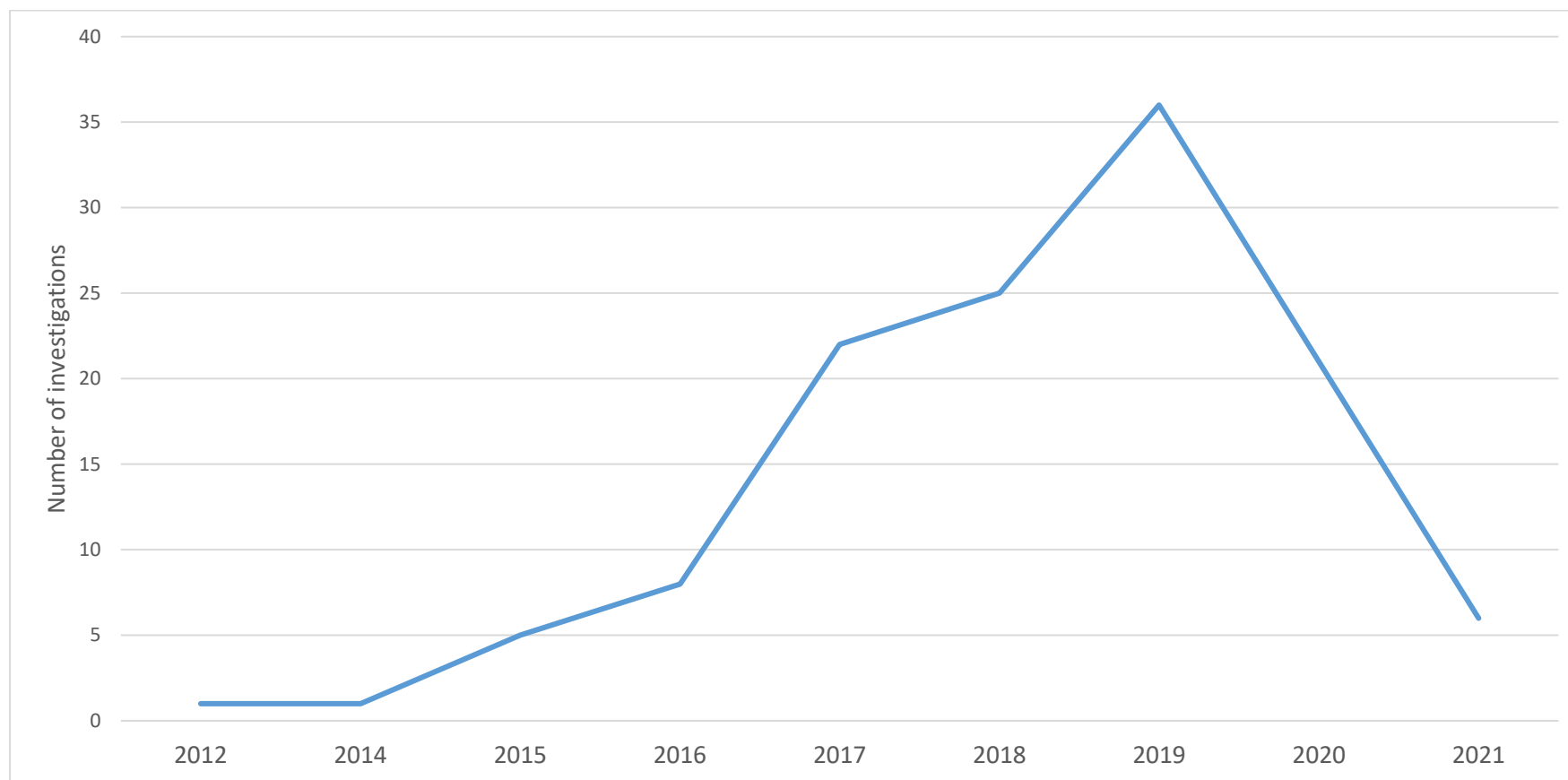


Figure 2 Number of screw-worm fly (Old World and/or New World) investigations reported in NAHIS for the period 1 July 2010 to 30 June 2021.
Note: one investigation typically results in the exclusion of both Old World and New World SWF (i.e. a count of 2)