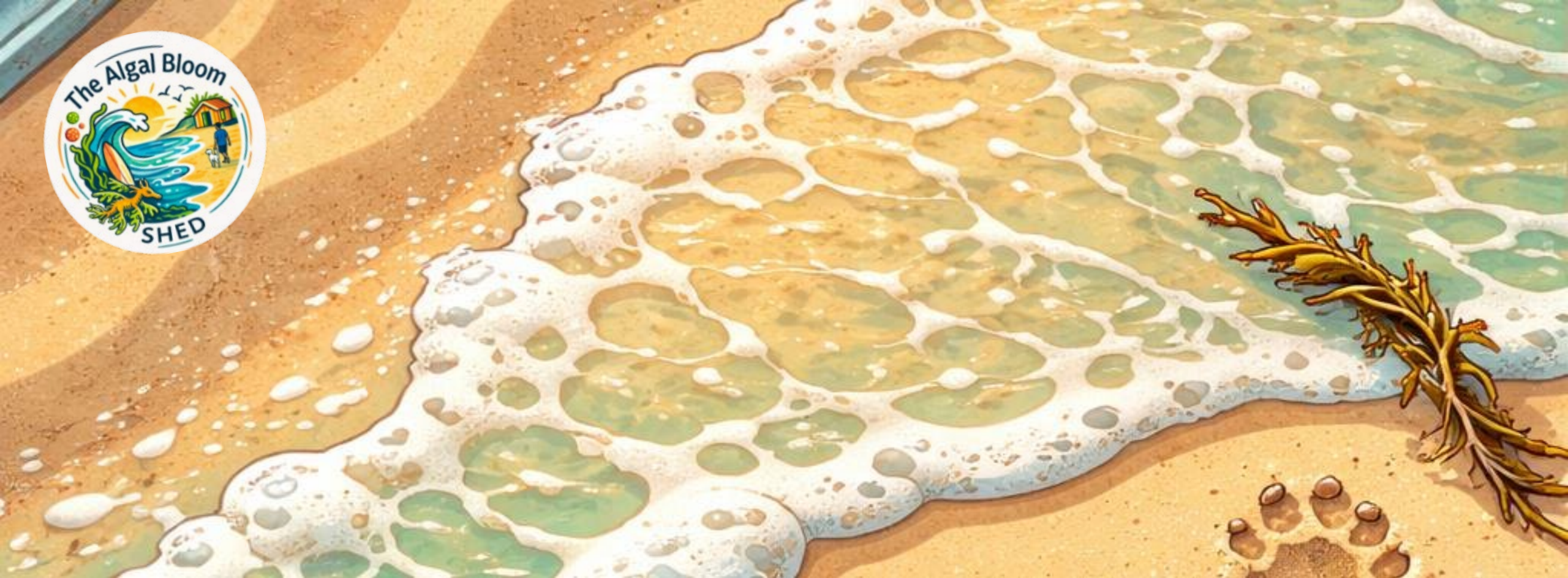




PUBLIC HEALTH IMPACTS OF THE HAB SHED FINDINGS TO DATE

Jacqueline Stephens (Flinders) & Amy McLennan (ANU / Adelaide) / 3 June 2026

HELLO!
WELCOME
TO THE SHED



WHO'S IN THE SHED?

EXPERTS IN A RANGE OF FIELDS

Disaster risk engineer	Anthropologist	Coastal systems scientist	Microbiologist	Epidemiologist	Visual artist
Water governance expert	Trauma psychology specialist	Environmental risk specialist	Climate finance lawyer	Filmmaker	Disaster response clinician
Science communicators	High school teacher	School students	Climate strategy advisor	Political theorist	Systems game designers
Hydrobiologist	Software engineer	GIS modeler	Software engineer	Neuroscientist	Accountant
	Systems engineer	Photojournalist	...		



WHAT'S ON IN THE SHED?

Five main areas of work

1. Shed governance and funding
2. Website
3. Impact assessment
4. Education
5. Health



EDUCATION NATIONAL AWARENESS SURVEY

Nationally-representative survey of
1,031 Australian residents (Dec 25)

Low literacy of HABs

Exposure to information prompted
concern and behaviour change

High expectations of government
action

Risk communication could support
timely protective action

Public literacy around systemic disasters: A case study of the South Australian coastal harmful algal bloom

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HEALTH SYMPTOM REPORTING PORTAL

Website launched in Nov 2025,
included a health symptom
reporting portal

Open data

Compliant with the Australian
National Statement on Ethical
Conduct in Human Research,
GDPR, FAIR Principles



Health symptom reporting portal
Report adverse health events related to the SA algal bloom

Are you ok?
If you are feeling unwell, please consult a healthcare professional. In an emergency, please call 000.

Report form
Complete the form below to report health symptoms related to the South Australian harmful algal bloom, which commenced in March 2025. This includes human or pet symptoms, and both specific/acute events and longer-term effects, including mental health symptoms.

Informational boxes:

- i** The bloom is unlikely to cause all the symptoms listed here. Symptom lists given are deliberately broad-ranging, drawing on a wide range of possibilities and suggestions, and will be refined as we learn more.
- i** This community database is designed with careful attention to safety, integrity, anonymity and privacy. It exceeds industry standards for healthcare data protection. Find all the details [on the project page](#).

Report type

I'm reporting:

- ☒ Human health symptoms
- ☐ Pet health symptoms

FIRST DATA REPORT

MARCH 2026

24 Nov 2025 – 23 Feb 2026
261 human and pet health
reports submitted

Caveats:

- Only word-of-mouth referrals
- Survey design limited by ethics requirements

Human health reports

235

People reported symptoms

76%

Female respondents

1 in 3

Sought medical attention

77% of respondents were aged 30 to 69 years. At this stage, we do not have data on potential longer-term health impacts.

Pet health reports

26

Pet incidents reported

54%

Reported vomiting

37%

Breathing difficulties

12% of pets reported diarrhoea. Pet health in ecological disaster scenarios remains poorly understood worldwide, as does the potential impact on veterinarians.

FIRST DATA REPORT

COMMON SYMPTOMS

Top 10 most commonly self-reported human health symptoms		
Symptom	n	%
Scratchy cough	138	58.7%
Sore throat	114	48.5%
Headache	89	37.9%
Lethargy	77	32.8%
Breathing difficulty	57	24.3%
Sore eyes	55	23.4%
Sore nose	33	14.0%
Nausea	22	9.4%
Anxiety	20	8.5%
Rash	18	7.7%

HEALTH SYMPTOM REPORTING QUESTIONS

- How might we better assess mental health impacts? What about long-term impacts?
- What can we learn from pet health reports?
- What other retrospective data can we access?
- How might these data inform our impact modelling and education work?



HEALTH SYMPTOM REPORTING NEXT STEPS

Design, test and implement a detailed health participatory surveillance tool

Share findings and open data

Improve reach and widespread citizen use of reporting tool

- Create an app?
- Integrate with SLSSA forms?
- Seek government endorsement and sharing via official channels?
- Amplify via marketing, local businesses, posters, schools, community?
- Fund a research assistant?

Secure research funding

Identify other data sources

- Vets? Clinical data? SLSSA data? Social media?





NEXT STEPS FOR THE SHED

1. Shed governance and funding
 - Shed Spring Session
2. Website
 - Expand library and resources
 - Publish peer-reviewed commentaries
3. Impact assessment
 - Data collection
 - Model fine-tuning
4. Education
 - Educational videos
 - Shed speaker series
5. Health
 - Workforce capacity



THANK YOU

On behalf of all the experts in The Shed

www.algalbloomshed.com.au

