

UNDERWATER WARNINGS

The Great Southern Reef, the Bloom, and Community Action

SACCA Coastal Forum
Stefan Andrews
7th November 2025

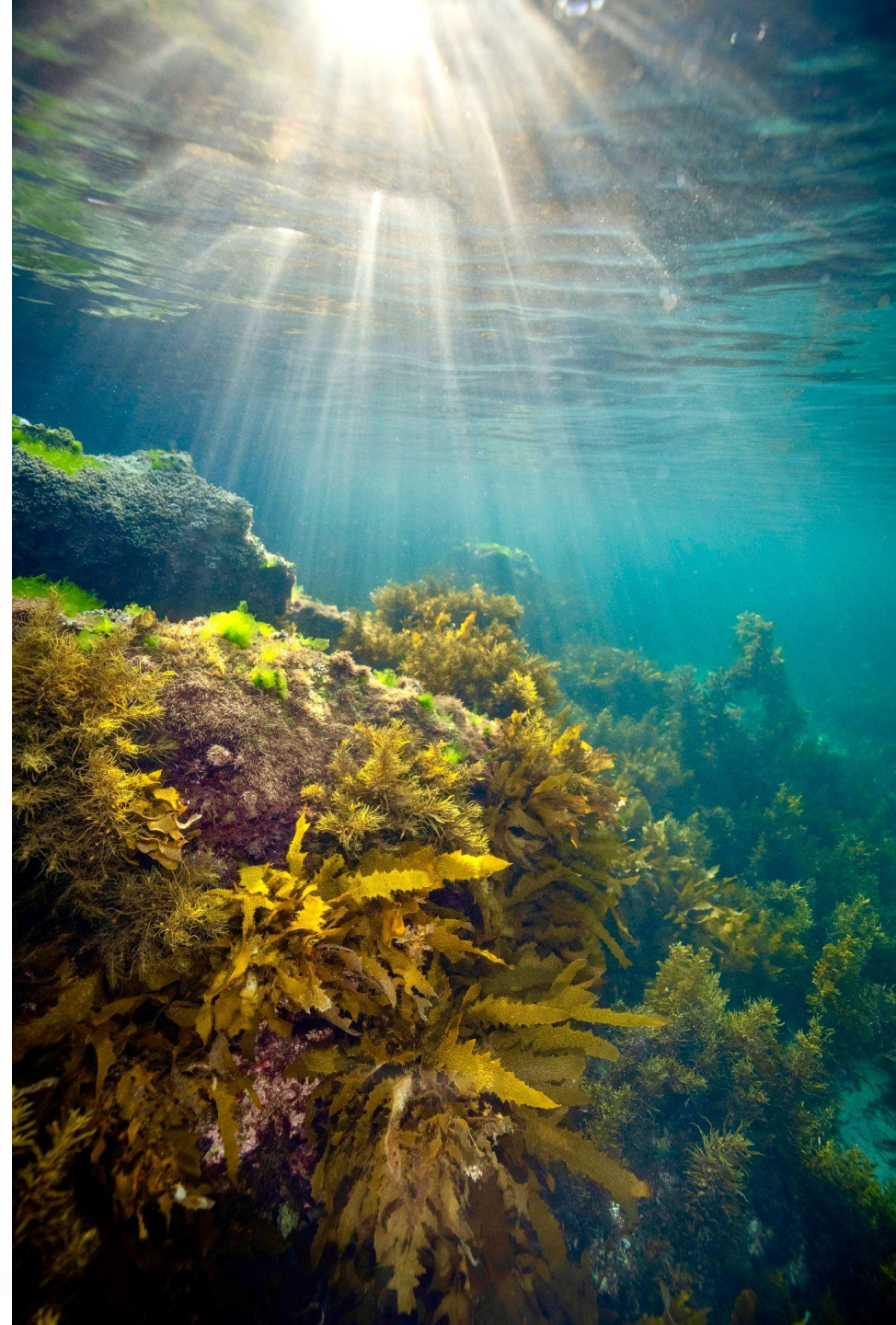
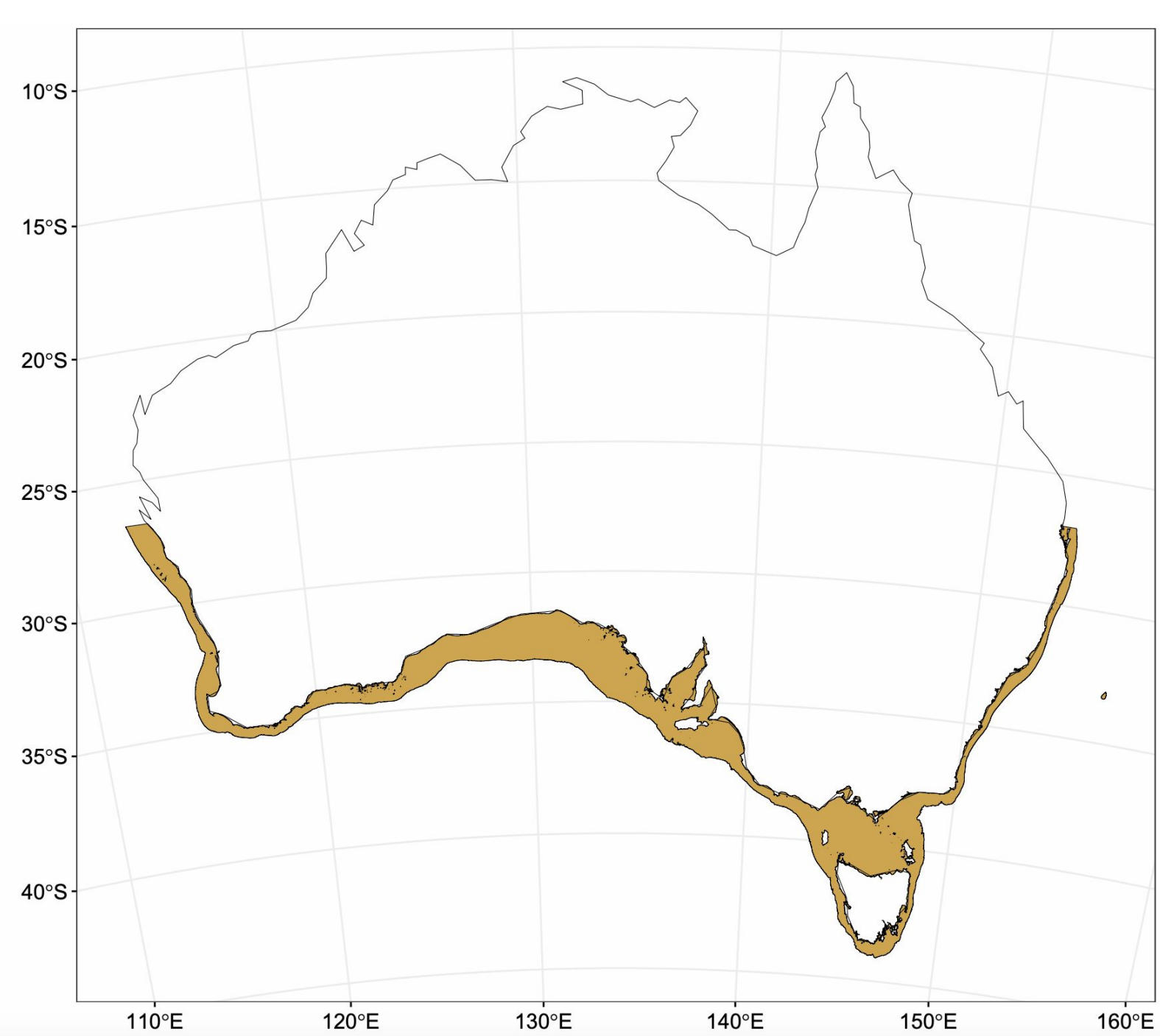




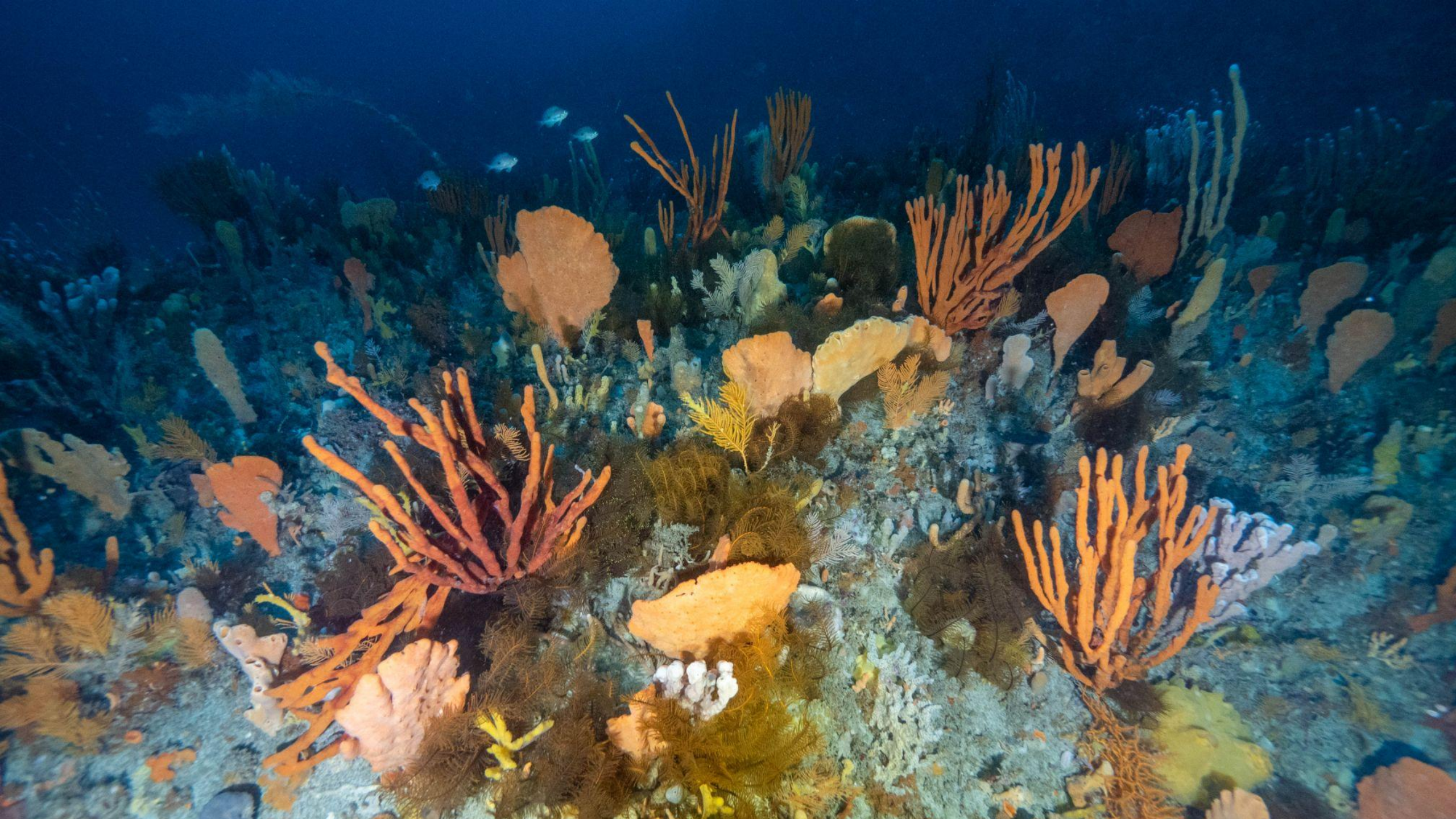




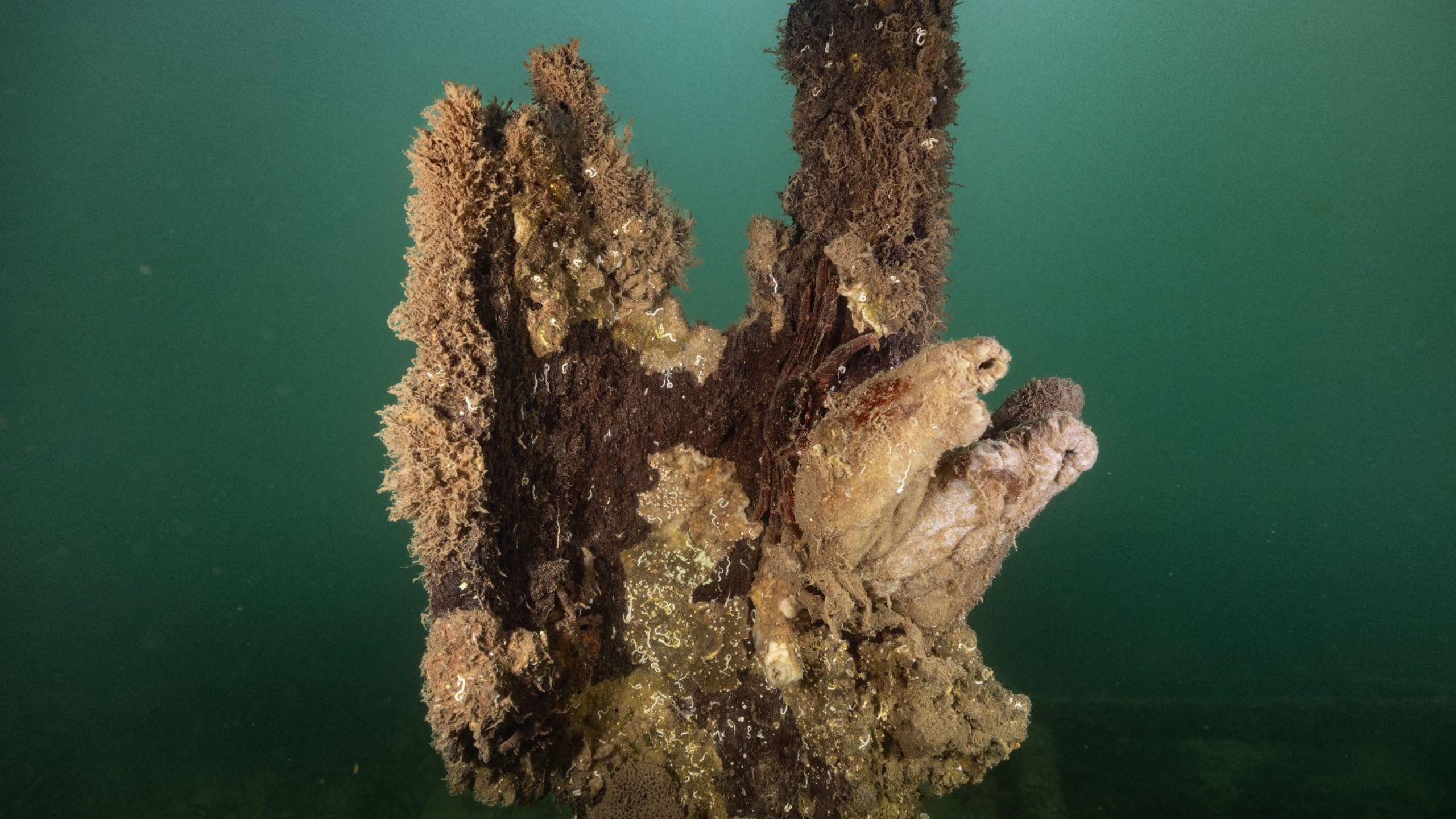
















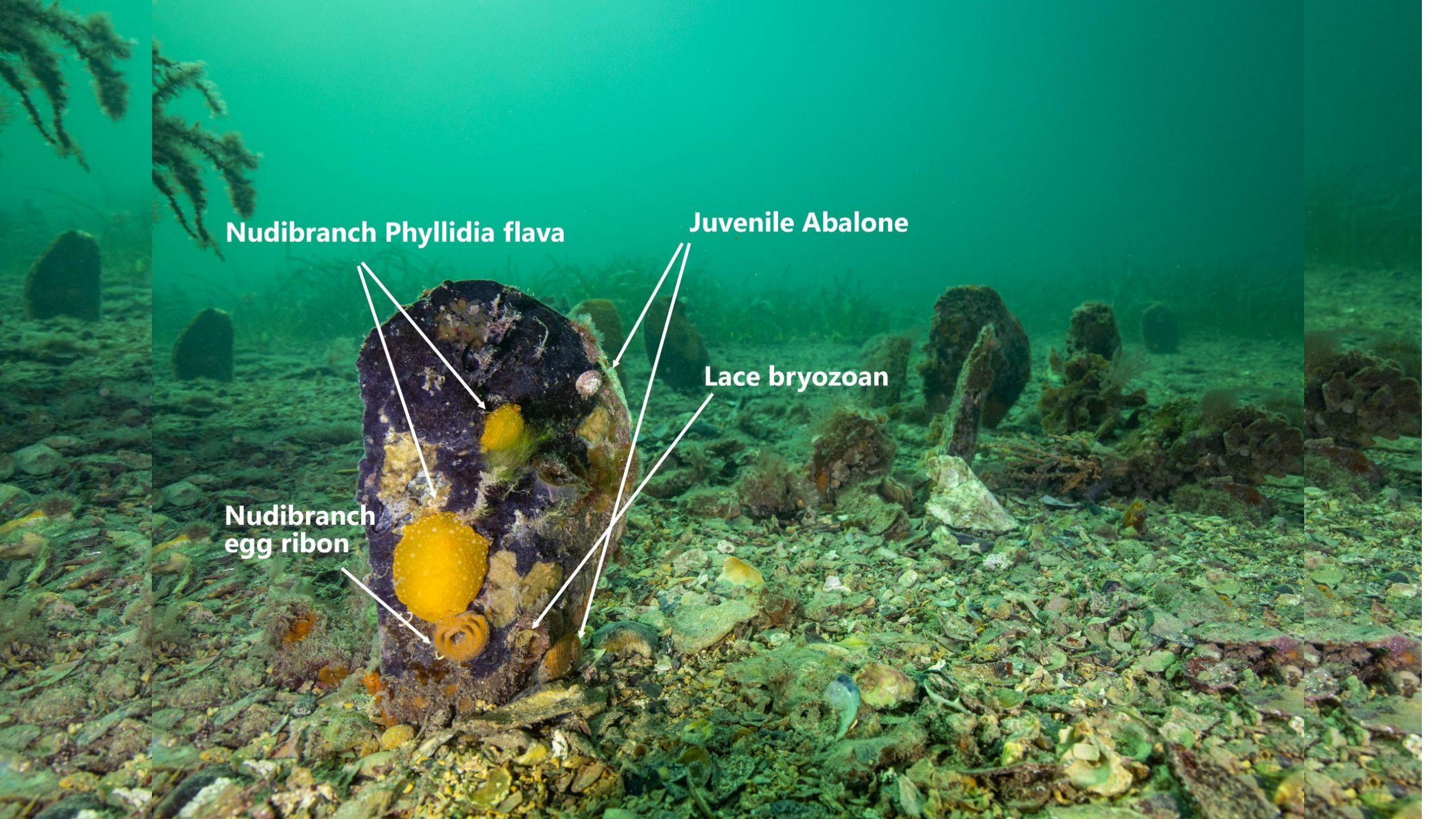


Nudibranch *Phyllidia flava*

Juvenile Abalone

Lace bryozoan

**Nudibranch
egg ribbon**





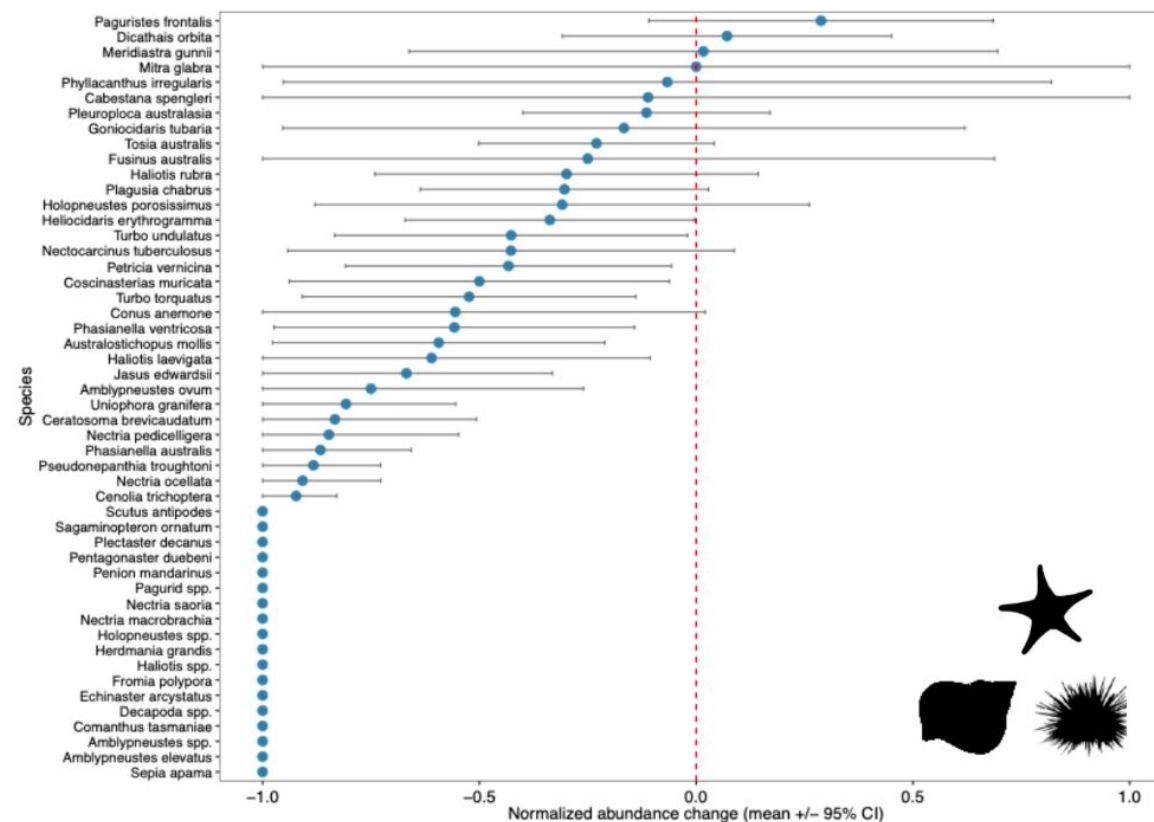
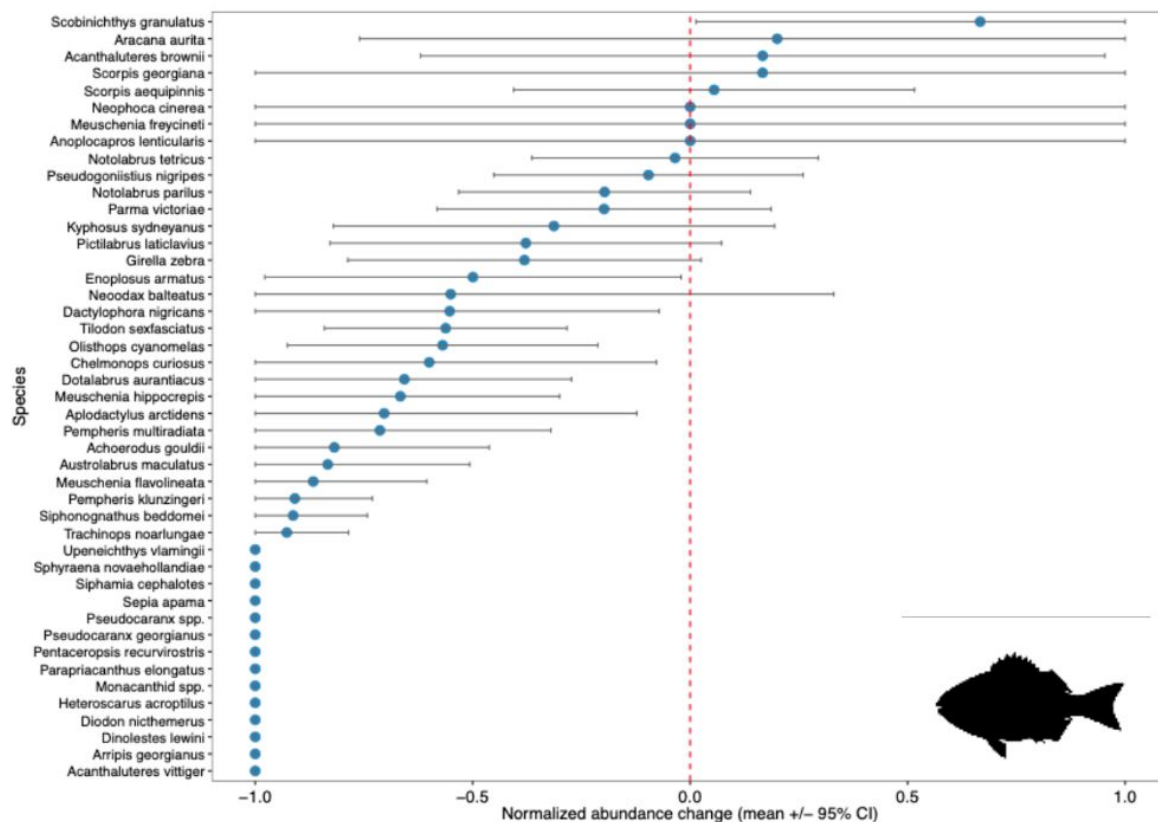




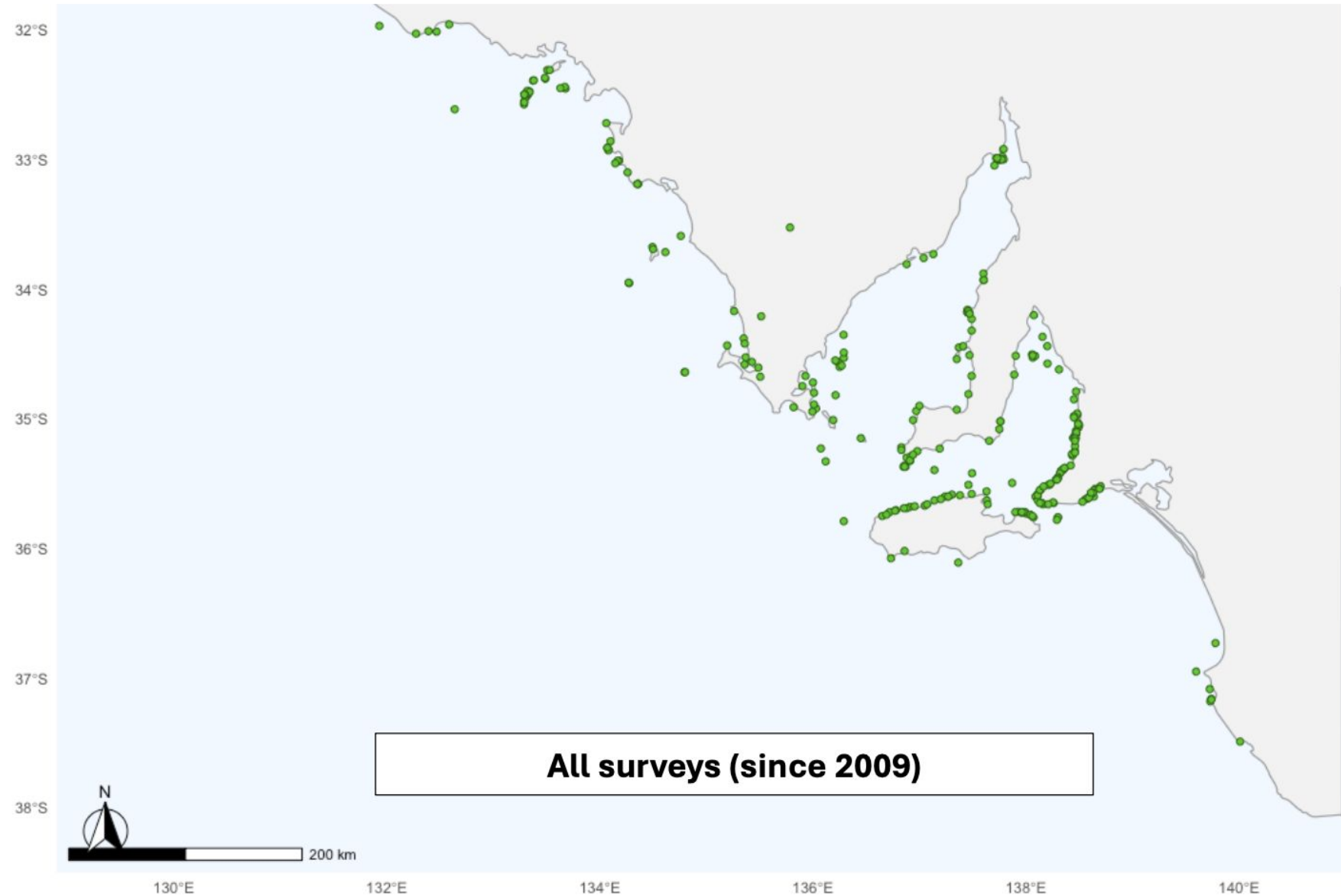


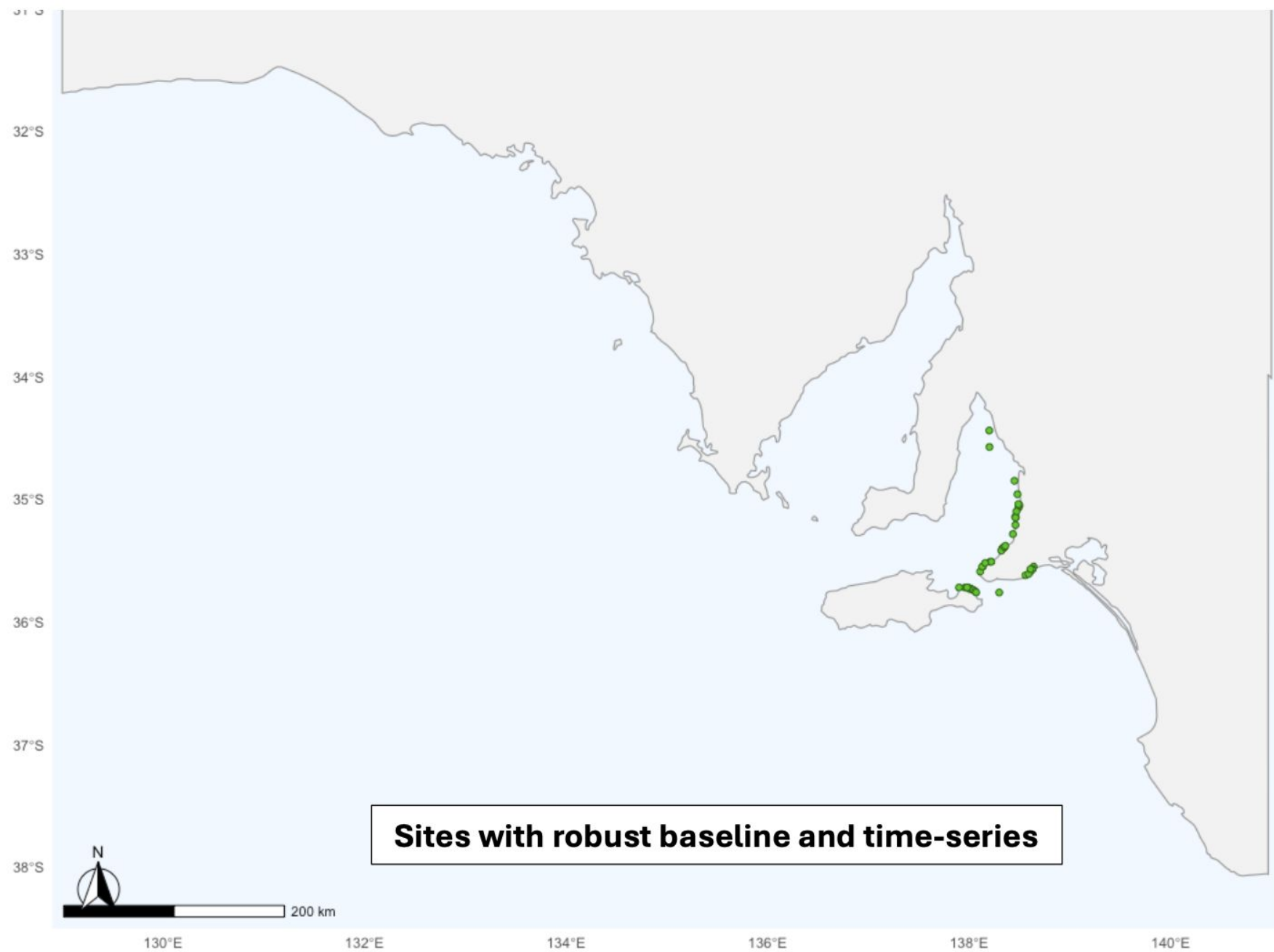


Preliminary HAB results: Mostly losers among fish & mobile invertebrates



REMOTE UNDERWATER CAMERA AND DIVER BIODIVERSITY SURVEYS SA





The Hon. Tanya Plibersek, MP Minister
for the Environment and Water

Minster for Climate Change and Energy
20 October 2023

The Hon. Chris Bowen, MP

Great Southern Reef: Imminent heatwave and urgent call for a National Monitoring Program

Dear Minister Plibersek and Minister Bowen,

South-eastern Australia is on the brink of a severe marine heatwave, the repercussions of which are far-reaching, affecting not only the marine ecosystems but businesses and livelihoods of Australians.

We call on the Federal Government to support a dedicated national monitoring program for the temperate **Great Southern Reef** with a committed investment of \$40 million over 10 years, in order to:

- provide critical, emergency funds to assess impacts of this year's marine heatwave;
- underpin adaptive and regenerative management efforts through an integrated and representative national approach;
- provide a meaningful step toward safeguarding reef resilience;
- help protect the multi-billion dollar benefits the reef provides to Australian industries and society.

While modest, \$40 million would be consistent with existing federal investment in | monitoring of the tropical **Great Barrier Reef**.

Top scientists blame 'chronic' underfunding for algal bloom gaps

Five top scientists are calling for immediate new funds to fix critical gaps in algal bloom data. At the first federal inquiry public meeting in Seacliff, they called for more than \$40 million to tackle the problem first flagged two years ago.

Ocean crisis exposes huge Aussie problem

Duncan Evans
Wed 24 September 2025 at 4:33 pm ACST
9 min read



The algal bloom in South Australia has killed thousands of marine wildlife. Picture: Great Southern Reef Foundation

A green cloud of death



A diver surveys the damage underwater. Photo: Stefan Andrews, courtesy Great Southern Reef Foundation.



Four of the five scientists who appeared at today's Federal Senate inquiry into the South Australian algal bloom. Photo: David Simmons/InDaily

It also followed calls from some of the state's top scientists at yesterday's inquiry hearing at Seacliff for more than \$40 million to fix gaps in algal bloom data and ocean monitoring.

Great Southern Reef Foundation co-founder Stefan Andrew said the algal bloom had caused the "most extensive marine mortality recorded in South Australia".

"Yet we still don't know the true underwater impact because biodiversity monitoring is underfunded and fragmented," Andrews said yesterday.



Australia lanza una línea directa para informar sobre el alga tóxica que cubre sus playas

Según la **Fundación Great Southern Reef**, este episodio representa "la mortalidad marina más extensa" jamás registrada en Australia del Sur, con afectación directa a **al menos 500 especies** marinas.

Alerta en Australia: alga letal amenaza salud y vida marina

Las pequeñas empresas en la devastación de la floración de algas aseguradas se cuelgarán con el labrador de pruebas de 'cambio de juego'

Une micro-algue suscite une vive inquiétude : "L'une des pires catastrophes jamais vues de mémoire d'homme"

Khủng hoảng tảo lan tràn ở Nam Úc, sinh vật biển chết hàng loạt

Stefan Andrews là đồng sáng lập của Tổ chức **Great** Southern Reef Foundation.

"Bản kiến nghị của chúng tôi đề xuất một khoản đầu tư liên bang hai giai đoạn: trước hết, 6 triệu đô la trong hai năm để khởi động một khuôn khổ phối hợp, nhằm thực hiện kiểm tra sức khỏe đa dạng sinh học liên bang đầu tiên của **Great Southern Reef**, tiếp theo, 40 triệu đô la cho chương trình giám sát tích hợp 10 năm của **Great Southern Reef**, được đồng thiết kế cùng chính phủ, các cộng đồng Thổ dân, các nhà khoa học và các đối tác cộng đồng."

Algenblüte tötet Tausende Meerestiere – „Kollektives Trauma“

„Auch unter Wasser herrscht so viel Zerstörung, und wir wissen nicht, wie schlimm es noch werden wird und wie lange es anhalten wird“, sagt der Meeresbiologe Stefan Andrews in einem Telefoninterview.

"É como um filme de terror". Algas tóxicas transformam costa sul da Austrália em cemitérios subaquáticos



Peixes mortos, tubarões, raias e muitos grupos de invertebrados foram vistos nos últimos meses em Wool Bay, Stansbury, Port Vincent. Great Southern Reef Foundation





SIGNS OF RESILIENCE



GIANT SPIDER CRAB

Spotted at Edithburgh by Elizabeth Solich on September 21



MAGPIE PERCH

Juvenile magpie perch spotted at Edithburgh by Troy Johnson on October 7.



MOONLIGHTER

Juvenile moonlighter spotted at Edithburgh by Troy Johnson on October 7





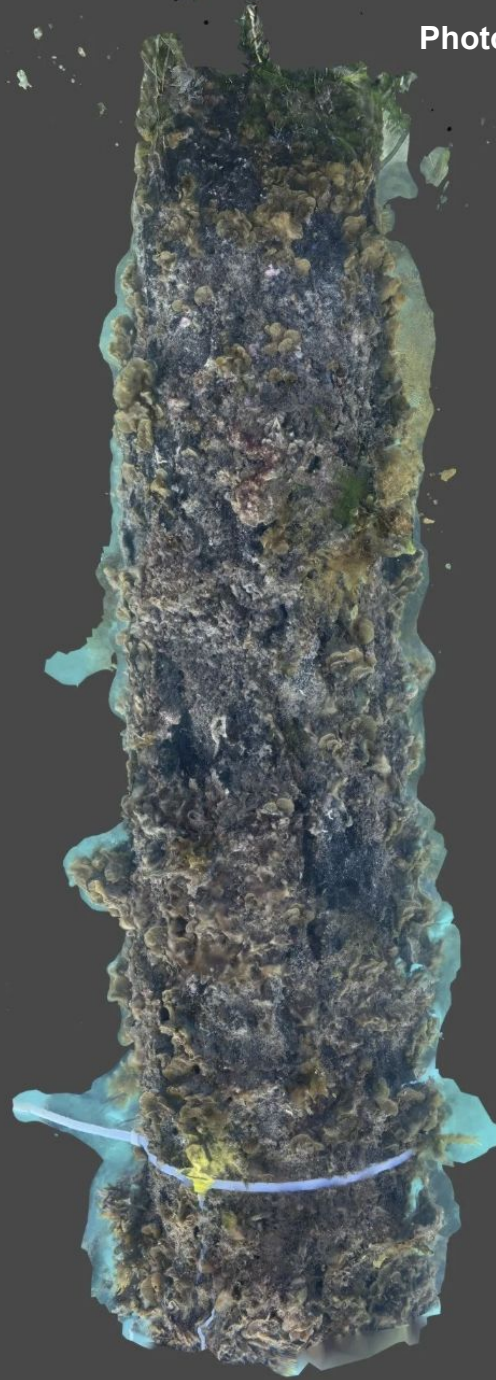


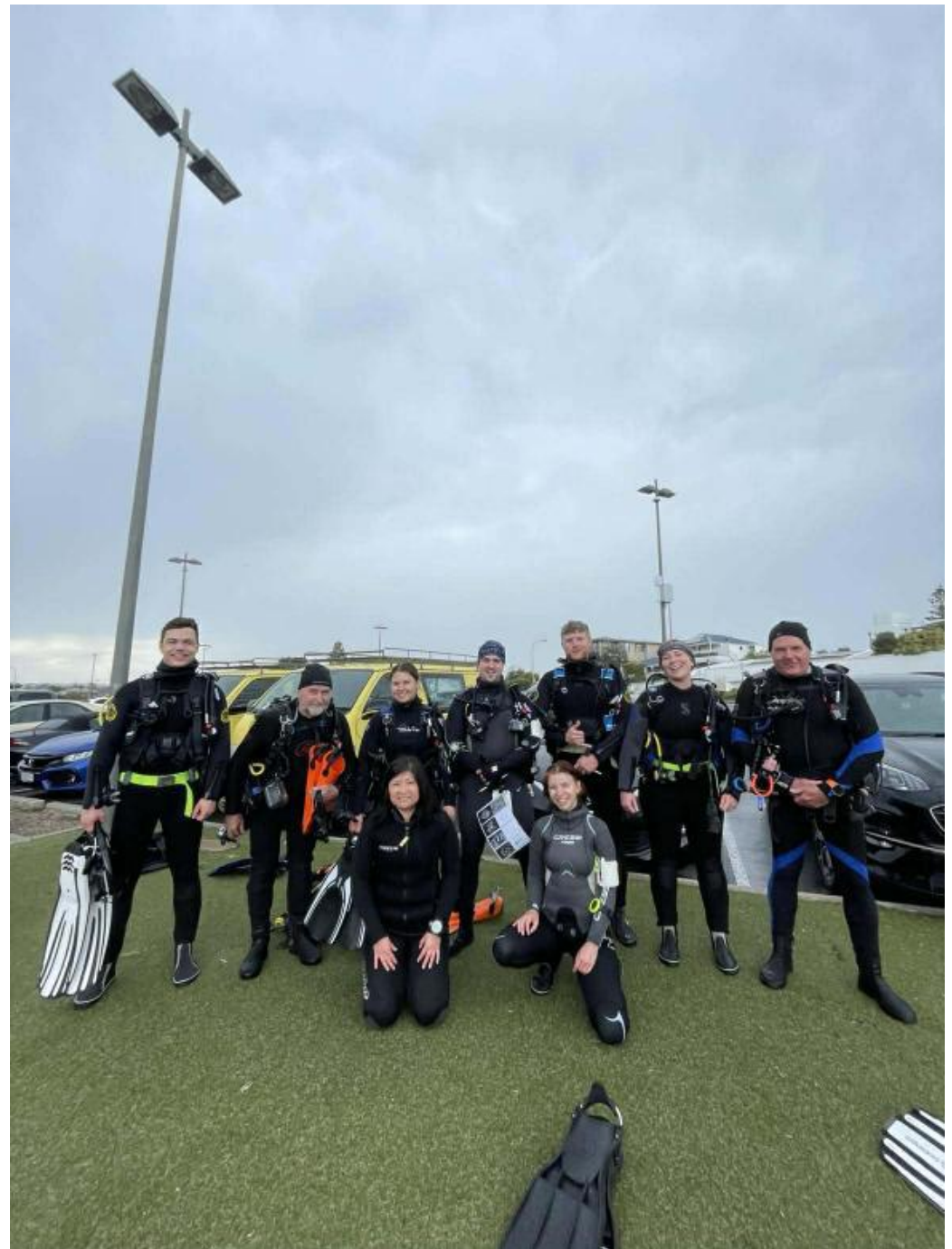
George Pachos - 1 November





Photogrammetry monitoring image by Edithburgh and Wool
Bay Jetties Marine Watch







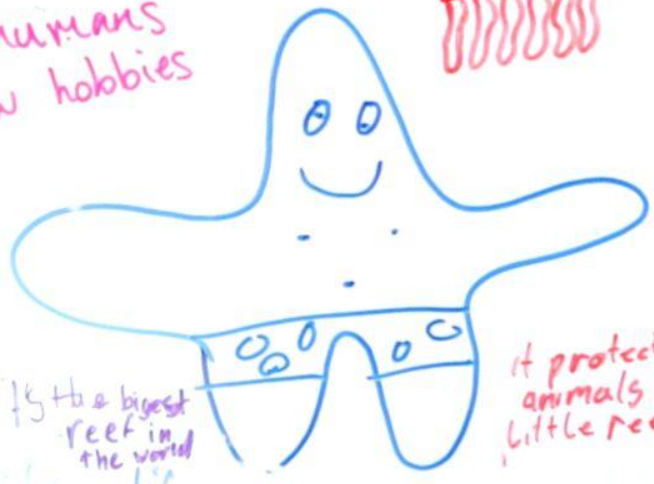
Although the Port Stanvac wharf has been removed, a marine exclusion zone remains in the area.

To ensure safety, we remind the local community that a 400 metre marine exclusion zone remains around the area where the wharf was constructed as imposed by Department of Planning, Transport and Infrastructure.

It is important that the exclusion zone, as indicated in the below diagram, is respected. Any vessels or persons breaching the exclusion zone will be reported and face a penalty under *Harbours and Navigation Regulation 14*.

eed make

akes humans
ver new hobbies



its the biggest
reef in the world
is a life
source

it protects
animals
little reefs
oxygen

Jumping
off the pier.

We can
go snorkling



Fishing

The Best
reef in the world

it makes
oxygen for
us

SURFING



it makes people
happy!

Its home to many
animals

HOME to
thousands of Animals



It is home to A
like Jerry the jell

The sea
cantaining
clean

Why is the Great Southern Reef special?

it's an

it makes people
feel relax!

you feel
happy

its the
in the

an is home
reaches.



seaweed makes
us breath

There is so much
rubbish in the ocean
See the water (





www.greatsouthernreef.com

stefan.andrews@greatsouthernreef.com