

NORTH WEST SHOALS TO SHORE RESEARCH PROGRAM SYMPOSIUM 2020



Informing the sustainable development of Australia's North West marine estate

Background:

The North West Shoals to Shore Research Program (NWSSRP) is a three year, \$20 million study of the North West Shelf. The program of 11 separate studies within four main themes has been conducted by a multidisciplinary team of scientists, technical staff and industry experts.

Purpose:

This symposium marks the completion of the NWSSRP.

Date:

Wednesday 23rd- Thursday 24th September, 2020

Venue:

Indian Ocean Marine Research Centre
Fairway
Crawley, WA

Time:

12:30 - 4:30pm

More information is available at www.aims.gov.au/nw-shoals-to-shore

Program: Wednesday, 23 September 2020

Time	Program	Presenter
1230 - 1245	Registration	
1245 - 1255	Introduction to AIMS and the NWSS Research Program Acknowledgement to Country	Paul Hardisty, AIMS CEO
1255 - 1305	Opening address	Marie Illman, GM, Offshore Resources Branch, Dept. of Industry, Science, Energy and Resources
1305 - 1310	Introduction to Agenda and housekeeping	
Theme 4: Understanding the isolated coral atolls of the North West Shelf: The past, present and future of Rowley Shoals		
1310 - 1350	Testing novel methods for coral reef monitoring	James Gilmour
	Mapping the coral reef habitats of Rowley shoals using 3D rugosity metrics	Ben Radford
	eDNA for coral monitoring	Laurence Dugal
	A quantitative assessment of tow-video for coral monitoring	Anna Cresswell
	Autoclassification of coral communities	Mat Wyatt
	Q&A facilitated session	James Gilmour
1400 - 1405	Short Break	
1405 - 1430	The current state of Rowley Shoals communities	James Gilmour
	Coral communities	James Gilmour
	Shark and predatory fish communities	Matt Birt
	Movement and connectivity of marine predators within remote coral reef systems	Luciana Ferreira
1430 - 1440	Q&A facilitated session	James Gilmour

Program: Wednesday, 23 September 2020

Time	Program	Presenter
1440 - 1515	The resilience of Rowley Shoals and future reefs	James Gilmour
	Coral bleaching 2020	Nicole Ryan
	Hydrodynamic connectivity of corals	Camille Grimaldi
	Mechanisms of coral resilience at the Rowley Shoals	Luke Thomas
1515 - 1525	Q&A facilitated session	James Gilmour
1525 - 1535	Summation and final questions	James Gilmour
1535 - 1545	Intermission	
Theme 3: Protected and iconic species movements and threats		
1545 - 1605	Understanding the distribution, important areas and threats for pygmy blue whales	Michele Thums
1605 - 1625	Multiple satellite tracking datasets inform marine turtle conservation on the North West Shelf	Luciana Ferreira
1625 - 1640	Summation and Q&A facilitated session	Michele Thums/ Luciana Ferreira
1640	Thank you and close	
Light Refreshments		

Australian Institute of Marine Science

Perth Office

Indian Ocean Marine Research Centre, Level 3

The University of Western Australia | Fairway, Crawley WA 6009

Tel: (08) 6369 4000 | nwss@aims.gov.au



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marine environment.*

Program: Thursday, 24 September 2020

Time	Program	Presenter
1230 - 1245	Registration	
1245 - 1255	Introduction to AIMS and the NWSS Research Program Acknowledgement to Country	Paul Hardisty, AIMS CEO
1255 - 1300	Introduction to Agenda and housekeeping	
Theme 2: Seabed habitats and biodiversity		
1300 - 1305	Introducing Theme 2 – why we need to understand seabed habitats and species distributions	Karen Miller
1305 - 1335	Characterising the Ancient Coastline Key Ecological Feature: Fish and benthic communities	Marji Puotinen, Leanne Currey
1335 - 1350	Pearl Oyster habitats and distributions in the 80 Mile Beach region	Karen Miller
1350 - 1405	Genetic connectivity of the pearl oyster <i>Pinctada maxima</i>	Luke Thomas
1405 - 1415	Summation and facilitated Q&A	Karen Miller
1415 - 1425	Intermission	

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Theme 1: Marine seismic noise measurement and impacts		
1425 - 1455	Design and implementation of a real-world experiment to investigate the effect of marine seismic survey on fish and pearl oysters	Mark Meekan
1455 - 1525	Measurement of sound, particle motion and ground motion	Miles Parsons
1525 - 1555	The effect of marine seismic surveys on the movement, abundance and community structure of demersal fish assemblages on the North West Shelf	Conrad Speed
1555 - 1625	Summation and facilitated Q&A	Mark Meekan
1625 - 1630	Closing statement	Brett Darley, Executive Vice President Offshore Oil & Gas, Santos
1630 - 1635	Closing statement	Paul Hardisty, AIMS CEO
1635	Thank you and close	
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