

# 6<sup>TH</sup> QUEENSLAND COASTAL CONFERENCE 2017

5-7 SEPTEMBER 2017 LURE ABELL POINT MARINA AIRLIE BEACH

Queensland Coastal Conference 2017 - 10 Years in the Making

## DAY ONE: TUESDAY 5 SEPTEMBER 2017


7.00am - 7.00pm	<b>Registration desk open</b>		
8.15am	<b>Official Conference Opening &amp; Housekeeping</b> Greg Stuart, Australian Coastal Society		
8.30am	<b>Welcome to Country</b> Aunty Sue, Elder of Ngaro/Gia/Juru		
8.45am	<b>Opening Address</b> Mayor Andrew Wilcox, Whitsunday Regional Council		
9.00am	<b>Welcome Address</b> Katrina Dent, Reef Catchments		
9.15am	<b>INVITED SPEAKER ADDRESS: Climate Change Adaptation for the Torres Strait</b> Mayor Fred Gela, Torres Strait Island Regional Council <i>Invited Speaker proudly sponsored by Department of Environment and Heritage Protection</i>  <b>Queensland Government</b>		
10.00am - 10.30am	Morning Tea & Exhibition		
10.30am - 12.10pm	<b>Room: Quadrant</b> <b>Concurrent Session 1</b> <b>Stream: Celebrating Our Successes</b>	<b>Room: Sandglass</b> <b>Concurrent Session 2</b> <b>Stream: Learning from the Past</b>	<b>Room: Marquee</b> <b>Concurrent Session 3</b> <b>Stream: Looking to the Future</b>
10.30am	<b>Marine Classrooms: Engaging high school students in coastal conservation</b> Cassidy Hayward, Reef Catchments	<b>Life on the fringe: Choosing spatially explicit conservation actions for coastal and estuarine systems</b> Debbie Chamberlain, University of Queensland	<b>How close to the coast? Use of expert advice in coastal development approvals</b> Nick Harvey, University of Adelaide
10.50am	<b>Celebrating 15 years of coastal community engagement on the Gold Coast, Queensland</b> Maggie Muurmans, Griffith Centre for Coastal Management	<b>Dynamic landscapes - understanding the history and trajectory of change to inform adaptation planning: case studies from Mackay</b> Elisa Zavadil, Alluvium	<b>Improving coastal erosion hazard assessments in Queensland</b> Selwyn Sultmann & Paul Prenzler, Department of Environment and Heritage Protection
11.10am	<b>Advancing Cultural Heritage Integration Into Mackay/Whitsunday/Isaac Natural Resource Management</b> Veronica Ah-Wang, Reef Catchments TORG (Traditional Owner Reference Group)	<b>Urban coastal foreshore reserve management in the Whitsunday region – optimising outcomes</b> Scott Hardy, Whitsunday Regional Council	<b>Tools to assist in offset delivery in the coastal environment</b> Tiffany Harrington, Queensland Government
11.30am	<b>Kingborough to Whitsundays - No Barrier to Collaboration</b> Donovan Burton, Climate Planning	<b>Environmental Monitoring: Strategic Planning Tool or Bureaucratic Box-Ticking? How Whitsunday Shire Council Got Ahead of the Curve</b> John Thorogood, FRC Environmental	<b>Bureau of Meteorology supporting coastal decisions in Queensland</b> Greg Stuart, Bureau of Meteorology
11.50am	<b>A Mackay Whitsunday regional report card: is local better?</b> Charlie Morgan, Mackay Whitsunday Healthy Rivers to Reef Partnership	<b>Noosa Different by Nature - 50 years of Crafting a Coastal Biosphere Reserve</b> Brian Stockwell & Rebecca Britton, Noosa Council	<b>Turning predictions into impacts through real-time event forecasting</b> Daniel Rodger, Jeremy Benn Pacific (JBP)
12.10pm - 1.10pm	Lunch & Exhibition		
1.10pm - 3.10pm	<b>Concurrent Session 4</b> <b>Stream: Celebrating Our Successes</b>	<b>Concurrent Session 5</b> <b>Stream: Learning from the Past</b>	<b>Concurrent Session 6</b> <b>Stream: Looking to the Future</b>
1.10pm	<b>Reducing feral animal impacts on coastal wetlands in the Whitsunday region</b> Scott Hardy, Whitsunday Regional Council	<b>Integrating Natural Hazards into Planning Framework</b> Kylie Drysdale, Whitsunday Regional Council	<b>Coastal weather events and their impacts in the Whitsunday region</b> Monica Regan, Whitsunday Regional Council
1.30pm	<b>Controlling Prickly Pear on our Coasts</b> Stefanie Wabnik, Reef Catchments	<b>The importance of scale in assessing risk from coastal hazards</b> David van Senden, Cardno	<b>Tropical Cyclone Debbie: storm surge impact assessment</b> Gaele Faivre, Griffith University

	Room: Quadrant Concurrent Session 4 Stream: Celebrating Our Successes	Room: Sandglass Concurrent Session 5 Stream: Learning from the Past	Room: Marquee Concurrent Session 6 Stream: Looking to the Future
1.50pm	<b>Project Catalyst – Grower Led Innovation in Sugar Cane Farming with Proven Water Quality Benefits for the Great Barrier Reef</b> Craig Davenport, Catchment Solutions	<b>Met-Ocean and Coastal Process Investigations for Re-Development of Lindeman Island Resort</b> Christopher Scraggs, Cardno (NSW/ACT) Pty Ltd	<b>Visualising Coastal Risks</b> Thomas Mortlock, Risk Frontiers
2.10pm	<b>Seagrass Watch in the Whitsundays: 1999 to the present</b> Jacquie Sheils, Whitsunday Seagrass Volunteers	<b>Construction Work in Remote Islands in North Queensland Challenges and Solutions</b> Gajaba Panditha, Koppens Developments Pty Ltd	<b>Enhancing products, services and systems for storm surge forecasting by the Bureau of Meteorology</b> Bruce Gunn, Bureau of Meteorology
2.30pm	<b>Phytoplankton and Cyanobacterial Analysis: what it is, what it does, and how it should be</b> Lindsay Hunt, Jarvis Hunt Consultancy	<b>Justifying coastal management and new infrastructure using cost-benefit analysis</b> Pamela Wong, Jeremy Benn Pacific (JBP)	<b>Generic Tools for Coastal Early Warning &amp; Decision Support</b> Simone De Kleermaeker, Deltares
2.50pm	<b>Forestry With a Purpose - High Trees and Low Glow</b> Michael Coleman, Greenfleet	<b>Planning and development assessment in Queensland's coastal hazard areas – Moving toward solutions we all can live with</b> Matthew Barnes & Greg Fisk, BMT WBM	<b>An assessment of coastal impacts during Tropical Cyclone Debbie</b> Thomas Mortlock, Risk Frontiers
3.10pm - 3.40pm	Afternoon Tea & Exhibition		
3.40pm - 5.00pm	Concurrent Session 7 Stream: Learning from the Past	Concurrent Session 8 Stream: Looking to the Future	Concurrent Session 9 Stream: Looking to the Future
3.40pm	<b>Re-connecting Coastal Aquatic Habitats - rock ramp fishways</b> Matt Moore, Catchment Solutions	<b>Using Generalized Dissimilarity Modeling to reclassify the bioregions of the Great Barrier Reef</b> Danielle Asson, James Cook University	<b>Monitoring morphodynamic response of nearshore sand bars to wave climate on an open coast beach, Gold Coast, Australia</b> Tom Murray, Griffith Centre for Coastal Management
4.00pm	<b>Integrated approach to coastal wetland ecosystem repair in the Lower Burdekin</b> Laura Dunstan, North Queensland Dry Tropics	<b>Why urban water quality isn't an issue for the Great Barrier Reef</b> John Gunn, Earth Environmental	<b>An overview of Wave Buoy Measurements in Queensland Past, Present and Future</b> Leo Peach, Department of Science, Information Technology and Innovation
4.20pm	<b>Stitching together the tidal tapestry: classification, mapping and values assessment of the intertidal and subtidal benthic habitats of Central Queensland</b> Mike Ronan, Wetlands Unit, Department of Environment and Heritage Protection, Queensland Government	<b>Identification and prioritisation of tidal exclusion barriers for rapid rehabilitation decision making</b> Trent Power, Catchment Solutions	<b>Uses and Applications of Airborne LiDAR Bathymetry for Coastal Zone Management</b> Darren Stephenson, Fugro
4.40pm	<b>Let the Data do the Talking: St Helens to Cape Hillsborough Net Free Zone Pre and Post Declaration Surveys</b> Luke Galea, Mackay Recreational Fishers Alliance	<b>Using Data Visualisation to Support Planning for Coastal Hazards</b> Donovan Burton, Climate Planning	<b>Aquatic Remote Sensing for Coastal Management: state-of-the-art, case studies, and looking forward</b> Magnus Wettle, EOMAP Australia
5.00pm	<b>Conference Sessions Conclude</b>		
5.00pm - 7.00pm	<b>WELCOME RECEPTION &amp; TRADE NIGHT</b> Lure Abell Point Marina Dress: Casual <i>Proudly sponsored by BMT WBM and Ethos Urban</i>		



# DAY TWO: WEDNESDAY 6 SEPTEMBER 2017

8.15am - 2.15pm	<b>Field Trip: The Reef Catchments Field Trip - Fish ladders and pile fields - System repair in the O'Connell River catchment</b> Meeting point/time: Meet at Lure (conference venue) at 8.15am for a prompt 8.30am departure What to bring/wear: Closed in shoes, hat, sunglasses, sunscreen and a water bottle		
8.30am - 11.45am	<b>Conference Sessions</b> Lure Abell Point Marina <i>**For half day field trip attendees only**</i>		
8.30am - 9.50am	<b>Room: Quadrant</b> <b>Concurrent Session 10</b> <b>Stream: Case Studies</b>	<b>Room: Sandglass</b> <b>Concurrent Session 11</b> <b>Stream: Coastal Ecosystems</b>	<b>Room: Marquee</b> <b>Concurrent Session 12</b> <b>Stream: Workshop</b>
8.30am	<b>Environmental Approvals for Public Marine Infrastructure</b> Tonia Richard & Trevor Carter, Department of Transport and Main Roads	<b>An investigation of the long-term impacts of artificial bypassing of tidal entrances and future strategic management options of sediment transport</b> Jemma Purandare, Griffith University	<b>Rethinking your Role in Coastal Management</b> Naomi Edwards, Griffith University
8.50am	<b>Persistence and perseverance in foreshore protection, Amity Point, North Stradbroke Island</b> Paul O'Brien, Water Technology & Tim Mitchell, Redland City Council	<b>Beach Profile Measurements on The Gold Coast – Past, Present and Future</b> Guilherme Vieira da Silva, Griffith University	
9.10am	<b>Historical and legal constraints in shoreline planning at Amity Point, Queensland</b> Konrad Beinssen, Amity Point Progress Association	<b>Living on the Edge: Climate Change Impacts on Gold Coast Threatened Species and proposed management responses</b> Paul Donatui, Healthy Land and Water	
9.30am	<b>Learnings from Coastal Adaptation Planning Projects in Qld, WA and NSW</b> David van Senden, Cardno	<b>Managing sand accumulation in urban coastal water ways and community expectations</b> Scott Hardy, Whitsunday Regional Council	
9.50am - 10.20am	Morning Tea		
10.20am - 11.45am	<b>Concurrent Session 13</b> <b>Stream: Water Quality and Monitoring</b>	<b>Concurrent Session 14</b> <b>Stream: Climate Change</b>	<b>Concurrent Session 15</b> <b>Stream: Workshop</b>
10.20am		<b>5 minute rapid fire presentation: From Zero to Hero: Whitsunday Regional Council's Adaptation Planning</b> Donovan Burton, Climate Planning	<b>Workshop continued...</b>  <b>Rethinking your Role in Coastal Management</b> Naomi Edwards, Griffith University
10.25am	<b>Monitoring wetland condition in the Great Barrier Reef catchments: establishing a baseline</b> Jan Tilden, Queensland Government	<b>Supporting climate adaptation on the coast: applying CoastAdapt to local challenges</b> David Rissik, Griffith University	
10.45am	<b>Multi Functions of Floating Wetlands – treat water, reduce coastal erosion, enhance biodiversity</b> Andy Hornbuckle, Spel Environmental	<b>Climate Adaptation and Mitigation Planning in the Mackay, Whitsunday, Isaac Region</b> Cassidy Hayward, Reef Catchments	
11.05am	<b>Mackay Regional Council's Voluntary Mechanism for Stormwater Quality Management</b> Luke Galea, Mackay Regional Council	<b>Investing in Clean Energy in Coastal Queensland</b> Paul McCartney, Clean Energy Finance Corp	

	Room: Quadrant Concurrent Session 13 Stream: Water Quality and Monitoring	Room: Sandglass Concurrent Session 14 Stream: Climate Change	Room: Marquee Concurrent Session 15 Stream: Workshop
11.25am	<b>Forecasts of streamflow and water quality for catchments contributing to the Great Barrier Reef</b> Richard Laugesen, Bureau of Meteorology		Workshop continued...  Rethinking your Role in Coastal Management Naomi Edwards, Griffith University
11.45am	<b>Conference sessions conclude</b>		
11.45am - 4.30pm	<b>Field Trip: Urban Dune Recovery Field Trip</b> Meeting point/time: Meet at Lure (conference venue) at 11.45am following conference sessions for a prompt 12noon bus departure What to bring/wear: Closed in shoes, hat, sunglasses, sunscreen and a water bottle		
11.45am - 4.45pm	<b>Field Trip: The Coastal Processes &amp; Communities Field Trip – Engaging Communities in Strategic Erosion Management</b> Meeting point/time: Meet at Lure (conference venue) at 11.45am following conference sessions for a prompt 12noon bus departure What to bring/wear: Closed in shoes, hat, sunglasses, sunscreen and a water bottle		
6.00pm - 11.00pm	<b>CONFERENCE DINNER</b> Coral Sea Resort Clipper Restaurant, Airlie Beach Dress: Casual <i>Proudly sponsored by Whitsunday Regional Council</i>		

## DAY THREE: THURSDAY 7 SEPTEMBER 2017

8.00am - 12.00pm	<b>Registration desk open</b>
8.30am	<b>Welcome &amp; Housekeeping</b> Katrina Dent, Reef Catchments
8.40am	<b>INVITED SPEAKER ADDRESS: The Whitsundays, 74 Islands in the Heart of the GBR</b> Mr Allen Grundy, Chair, Tourism Whitsundays
9.25am	<b>Marine Debris in the Heart of the Great Barrier Reef</b> Libby Edge, Eco Barge Clean Seas
9.45am	<b>Two Centuries of Climate Change and Climate Variability, East Coast Australia</b> Dr Darrell Strauss, Griffith University
10.05am - 10.35am	Morning Tea & Exhibition
10.35am	<b>Protecting the long-term health of the Great Barrier Reef through restoration and enhancement of adjacent coastal ecosystems</b> Paul Groves & Donna Audas, Great Barrier Reef Marine Park Authority (GBRMPA)
11.35am	<b>Conference Closing Remarks</b>
11.45am	<b>Conference Concludes</b>

