



29th NSW Coastal Conference

31 May - 2 June 2022
Mantra on Salt Beach
Kingscliff

Living with Uncertainty

Conference Program (subject to change)

Monday 30th May 2022

5.00pm – 6.00pm **Optional Welcome Drink**
Mantra on Salt Beach

Tuesday 31st May 2022

8.00am **Conference Registration**
Foyer, Mantra on Salt Beach

9.00am – 11.00am **Session 1 – Plenary**

9.00am **Welcome to Country**
9.10am **Welcome from Co-Hosts Byron Shire Council and Tweed Shire Council**
9.25am **Conference Opening**
9.35am **Address by Major Sponsor – Department of Planning, Industry and Environment**
9.40am **Keynote Address**
10.20am **Keynote Address**

11.00am – 11.30am **Morning Tea**

Session 2 11.30am – 1.05pm	2A: Holistic Coastal Management	2B: Knowledge, Science & Uncertainty	2C: Empowering People
Location			
Chair			
11.30am – 11.50am	Smart Cameras for coastal monitoring Chris Drummond <i>Water Research Laboratory UNSW Sydney</i>	The NSW Estuarine Habitat Dashboard: A web-based tool to assist estuarine management Greg West <i>NSW Department Of Primary Industries - Fisheries</i>	Caring for Water Places: a community collaboration in regeneration Cate Coorey <i>Byron Shire Council</i>
5 min	Changeover	Changeover	Changeover
11.55am – 12.15pm	Managing Beach Accessways - A Rational Approach Christopher Adamantidis <i>Advisian</i>	Wetland morphology and its effect on sea-level rise modelling in barrier estuaries Kristian Kumbier <i>University Of Wollongong</i>	Drawing Landscape Narrative Nathan Galluzzo <i>University Of Technology Sydney</i>
5 min	Changeover	Changeover	Changeover
12.20pm – 12.40pm	Shifting sands on Coastal Crown Land Malcolm Robertson <i>Crown Lands - Department of Planning, Industry and Environment</i>	Holistic management of estuaries under climate change requires accurate numerical tools Danial Khojasteh <i>UNSW</i>	An approach for engaging with Country: centring Country in the built environment Daniele Hromek <i>Department of Planning, Industry & Environment</i>

5 min	Changeover	Changeover	Changeover
12.45pm – 1.05pm	Lord Howe Island – From ad-hoc coastal protection to more holistic intervention Marc Daley <i>Department of Planning, Industry & Environment</i>	NSW estuaries webpages: an information tool for prioritising, planning and management Aaron Wright <i>Department of Planning, Industry & Environment</i>	Keeping Fingal Special: A case study of a coastal community working together Leweena Williams <i>Tweed Byron Local Aboriginal Land Council</i>
		Estuary foreshore management: waterfront structures and bank management strategies Emma Wilkie <i>NSW Department of Primary Industries - Fisheries</i>	Our Coast Our Waterways...turning opinion into activism! Warren Brown & Vanessa McCann <i>Central Coast Council</i>
1.05pm – 2.00pm Lunch			
Session 3 2.00pm – 3.10pm	3A: Policy, Decision Making & Funding	3B: Lessons from the Field	3C: Empowering People
Location			
Chair			
2.00pm – 2.20pm	Land value consequences of Coastal Hazards and Adaption. Who pays? Ballanda Sack <i>Beatty Hughes & Associates</i>	Managing coastal waterways after the Black summer Bushfires in South East NSW Heidi Thomson <i>Eurobodalla Shire Council</i>	Connecting to Culture—are we missing a valuable opportunity in the CMP process? Sara Cuthbertson <i>Department of Planning, Industry & Environment</i>
5 min	Changeover	Changeover	Changeover
2.25pm – 2.45pm	The collective value of our ocean pools: developing a cost benefit framework Nicole Larkin	Seafood industry adapting to change on the Mid North Coast of NSW Brian Hughes <i>Hunter Local Land Services</i>	Determining CMP Management Solutions through Empowering Culture, Community and Agencies Heiko Loehr <i>Bluecoast Consulting Engineers</i>
5 min	Changeover	Changeover	Changeover
2.50pm – 3.10pm	Planning for Uncertainty under the Coastal Management Framework: Deep water for decisions-makers? Kirston Gerathy <i>Hwl Ebsworth Lawyers</i>	Fresh Ideas for a Stinky Creek. The Restoration of Tidal Channels Phillippa Biswell <i>Sutherland Shire Council</i>	The Manning River Estuary and Catchment Management Program engagement strategy Louise Duff <i>MidCoast Council</i>
3.10pm – 3.40pm Afternoon Tea			
Session 4 3.40pm – 5.15pm	4A: Holistic Coastal Management	4B: Lessons from the Field	4C: Knowledge, Science & Uncertainty
Location			
Chair			
3.40pm – 4.00pm	Climate Change Adaptation Case Study: Davistown Landform and Flood Management Joel Fraleigh <i>Rhelm</i>	Physical modelling of innovative rock bag applications Dan Messiter, <i>Royal HaskoningDHV</i>	Nutrient and organic matter removal efficiency of stormwater control measures Chris Baiada <i>Department of Planning, Industry & Environment</i>
5 min	Changeover	Changeover	Changeover
4.05pm – 4.25pm	Cooperation is the key to manage the Greater Sydney Harbour Sarah Joyce <i>Sydney Coastal Councils Group</i>	Stockton Beach Erosion, Causes and Solutions Ron Boyd <i>Stockton Community Group</i>	Restoring Wianamatta-South Creek: using a risk-based framework to deliver stormwater targets Jocelyn Dela-Cruz <i>Department of Planning, Industry & Environment - Environment, Energy And Science Group</i>
5 min	Changeover	Changeover	Changeover

4.30pm – 4.50pm	<p>Marine Estate Management Strategy: reflection and adaption</p> <p>Nicola Johnstone <i>NSW Department Of Primary Industries - Fisheries</i></p>	<p>Adaptive risk management of erosion at Stockton Beach, Newcastle</p> <p>Jacob Jones <i>City Of Newcastle Council</i></p>	<p>Scaling up coastal wetland rehabilitation with the return of the tide</p> <p>Max Osborne <i>NSW Department Of Primary Industries - Fisheries</i></p>
5 min	Changeover	Changeover	Changeover
4.55pm – 5.15pm	<p>Implementing the Lake Illawarra Coastal Management Program – A Year of Learning</p> <p>Jessica Faustini <i>Wollongong City Council</i></p> <hr/> <p>Estimating marine debris risk across the NSW Marine Estate</p> <p>Jordan Gacutan <i>UNSW</i></p>	<p>Seawalls and sandy beaches - case study Wamberal Beach</p> <p>Ed Couriel <i>MHL</i></p>	<p>Engaging Lake Macquarie's recreational users - lessons for managing a 'lifestyle' waterway</p> <p>Pam Dean-Jones <i>Umwelt Environmental Consultants</i></p>
5.15pm	Close of Day One		
7.00pm	Welcome Reception <i>Sponsored by Department of Planning, Industry and Environment - Crown Lands</i>		

Wednesday 1st June 2022

Conference Registration			
<i>Foyer, Mantra on Salt Beach</i>			
8.30am	5A:	5B: Knowledge, Science & Uncertainty	5C: Policy, Decision Making and Funding
Location			
Chair			
9.00am – 9.20am	Climate-Induced Headland Bypassing: Unravelling the Periodicity of Sand Pulses into Letitia Spit Ana Paula Silva <i>Griffith University</i>	Rocks provide better reef bases than shell for restoration Victoria Cole <i>NSW Department of Primary Industries - Fisheries</i>	Who owns the beach? - living with increasing uncertainty Angus Gordon <i>Coastal Zone Management and Planning</i>
5 min	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
9.25am – 9.45am	Recent coastal change and emergency management in Byron Bay James Carley <i>Water Research Laboratory UNSW Sydney</i>	Historic shellfish reefs of NSW – gathering knowledge to build social licence Charlotte Jenkins <i>NSW Department of Primary Industries - Fisheries</i>	Planning for increasing local uncertainty Ian McNicol <i>Cities Research Institute - Griffith University</i>
		Mapping the distribution of snapper across Greater Sydney's coastline Matt Rees <i>NSW Department of Primary Industries - Fisheries</i>	
5 min	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
9.50am – 10.10am	Monitoring sand movements at Byron Bay Evan Watterson <i>Bluecoast Consulting Engineers</i>	Monitoring and predicting change to NSW kelp forests Tom Davis <i>NSW Department Of Primary Industries - Fisheries</i>	Coastal settlements, constant change and capitalising on complexity in New South Wales Tom Rivard <i>REALMstudios</i>
5 min	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
10.15am – 10.35am	It's a Setup! Rosanne Hart <i>The University Of Newcastle</i>	Monitoring change for managing uncertainty inherent to coastal systems... from space Magnus Wettle <i>Eomap Australia</i>	CBA's – Wasteful Effort or Useful in Determining who Bears the Cost? Chris Morley <i>Origin Capital</i>
	Nearshore nourishment mound placement and temporary surfing outcomes Tom Murray <i>Griffith University</i>		Review of the NSW Coastal Design Guidelines Maria Plytarias <i>Department of Planning, Industry & Environment</i>
10.35am – 11.05am Morning Tea			
Session 6	6A:	6B: Lessons from the Field	6C: 10 Minute Presentations
Location			
Chair			
11.05am – 11.25am	Innovative River Bank Restoration Benefits Estuarine Fish Communities Sam Lewis <i>University Of New England</i>	Drought, bushfire, flood- A tumultuous year in the life of an ICOLL Rachel Duczynski <i>Bega Valley Shire Council</i>	Assessing jetty features to reduce seagrass loss: Port Hacking case study Nathan Knott <i>NSW Department Of Primary Industries - Fisheries</i>
			Aquatic recreational structures as ecologically important habitats Troy Gaston <i>University Of Newcastle</i>

5 min	Changeover	Changeover	Changeover
11.30am – 11.50am	Changing degraded sugar cane land into a carbon sink Robert Quirk <i>Acfa</i>	Drought-induced hysteresis in iron and sulfur cycling within Lake Cathie -Innes ICOLL Thor Aaso, NSW Soil Conservation Service & Scott Johnston, Southern Cross University	Assessing coincident catchment and coastal processes for flood risk in Woolli, NSW Michael Thomson <i>Jbpacific</i> Community wellbeing framework: monitoring the human dimensions of the NSW marine estate Belinda Curley <i>Nsw Department of Primary Industries - Fisheries</i>
5 min	Changeover	Changeover	Changeover
11.55am - 12.15pm	Kingscliff Seawall Construction and Performance Gary Blumberg <i>Royal HaskoningDHV</i>	InletTracker: 30+ years of entrance dynamics of NSW ICOLLs from satellite data Valentin Heimhuber <i>Water Research Laboratory UNSW Sydney</i>	The effects of Australia’s Black Summer fires on estuaries Thayanne Lima Barros <i>UNSW</i> Integrated Hydrodynamic and Biogeochemical Model of Tallow Creek ICOLL Oxygen Dynamics Derek Mackenzie <i>Southern Cross University</i>
5 min	Changeover	Changeover	Changeover
12.20pm – 12.40pm	Tweed Sand Bypassing Maintenance Dredging Program Matthew Harry <i>Tweed Sand Bypassing, TfNSW</i>	Opening that ICOLL: Are we managing flood risk? Emma Maratea <i>Rhelm</i>	Surfers’ attitudes to sharks, perceptions of shark risk, and information needs Carol Martin <i>Nsw Department Of Primary Industries - Fisheries</i> How can we manage light pollution and shading impacts along urbanised shorelines? Mariana Mayer Pinto <i>UNSW</i>
12.40pm – 1.30pm Lunch			
1.30pm – 5.00pm Field Trips (includes afternoon tea)			
FT1			
FT2			
FT3			
FT4			
5.00pm Close of Day Two			
7.00pm Conference Dinner & Annual NSW Coastal Management Awards <i>Sponsored by Royal HaskoningDHV</i>			

Thursday 2nd June 2022

8.30am			
Conference Registration <i>Foyer, Mantra on Salt Beach</i>			
Session 8 9.00am – 11.00am	8A: Knowledge, Science & Uncertainty	8B: Lesson from the Field	8C: Holistic Coastal Management
Location			
Chair			
9.00am – 9.20am	Detecting anthropogenic impacts on the sediment budget of coastal compartments Colin Woodroffe <i>University of Wollongong</i>	From experiment to intervention: scaling up marine eco-engineering Maria Vozzo <i>Sydney Institute Of Marine Science</i>	How are values accounted for in Integrated Ocean Management (IOM)? Anna Lewis <i>University Of Wollongong</i>
5 min	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
9.25am – 9.45am	We've never been more certain about the seafloor: insights for coastal management Michael Kinsela <i>Department of Planning, Industry & Environment</i>	Building the evidence-base for marine eco-engineering at scale Melanie Bishop <i>Macquarie University</i>	Improving water quality outcomes for coastal communities through revised NSW-Water Quality Objectives Thomas Doyle <i>Department of Planning, Industry & Environment</i>
5 min	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
9.50am – 10.10am	'NSW TurtleWatch': how citizen science can help manage an uncertain future Melissa Giese <i>Department of Planning, Industry and Environment, Biodiversity, Conservation and Science</i>	Response of fish communities to eco-engineered seawalls in Sydney Harbour Stephanie Bagala <i>Macquarie University</i> Marine Parade, Manly Beach Wave Overtopping Early Warning System Jodie Crawford <i>Northern Beaches Council</i>	Coast and Foreshore Protection Strategy for Trial Bay Gaol Visitor Precincts Michael Rosenthal <i>Alluvium Consulting</i>
5 min	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
10.15am – 10.35am	A snapshot of changing trends in digital consulting during certain times Cassy Baxter <i>Cardno</i>	Construction of Seawalls at Collaroy-Narrabeen Beach – a Failure of Coastal Management? Peter Horton <i>Horton Coastal Engineering</i>	Meet the Friends of Cabbage Tree Bay Aquatic Reserve Volunteer Group Robynne Millward <i>Northern Beaches Council</i>
5 min	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
10.40am – 11.00am	Assessing 65 Breakwaters Utilising Drones A Comparison of Techniques over 25 years Indra Jayewardene & Eduardo Pombo Lavin <i>MHL</i>	The Construction of the Shell Cove Boat Harbour Entrance and Beach Response Ben Morgan <i>Advisian</i>	Building capacity in communities to adapt to changing distribution of migratory wildlife Susan Crocetti <i>NSW National Parks And Wildlife Service</i>
11.00am – 11.30am			
Morning Tea			
11.30am – 1.00pm			
Session 9 – Plenary			
11.30am	Keynote Address		
12.10pm	Keynote Address		
12.50pm	Announcement for 2023 NSW Coastal Conference Host Council Conference Closing and Wrap-up		
1.00pm – 2.00pm			
Lunch			