



Joint
National Coast to Coast
 and
NSW Coastal Conference

One coast, one community

30th October - 3rd November 2023

Newcastle Exhibition & Convention Centre (NEX),
 Newcastle, NSW

CONFERENCE PROGRAM

(correct at time of printing, subject to change)

Monday 30th October 2023

9.00am – 4.30pm **Pre-Conference Workshop:** Unlocking Science – Stakeholder Connection in Coastal and Estuary Management! (additional cost)

Day One – Tuesday 31st October 2023

8.00am **Conference Registration, The Avenue**

Session 1 Plenary 8.45am – 10.20am

Location: The Arena
 Chair: Bruce Thom

- 8.45am Welcome to Country
Aunty Cheryl & Uncle Ray Smith
- 9.00am Conference Welcome
Councillor Declan Clausen, Deputy Lord Mayor, *City of Newcastle*
- 9.10am Conference Welcome
Professor Barbara Norman, *Chair Australian Coastal Society*
- 9.20am Minister Address (Video)
Senator the Hon Jenny McAllister
- 9.25am Conference Opening and Address (Video)
The Hon. Penny Sharpe
- 9.30am Major Sponsor Address
Sharon Molloy, *NSW Department of Planning and Environment*
- 9.40am Coasts for the future: the challenges, the opportunities, and the people
Associate Professor Hannah Power, *University of Newcastle*

10.20am – 10.50am Morning Tea + Poster Presentations

Session 2 Concurrent 10.50am – 12.25pm

	2A: Opportunities for adaptive coastal planning	2B: Building resilient coasts, habitats and communities	2C: The knowledge we need for the coast we want	2D: Estuary health and hazards - connecting land and sea
Location:	The Arena	The Extra	The Vivid	King Street Room
Chair:	Neil Kelleher	Barbara Norman	Stuart Young	Pam Dean-Jones
10.50am – 11.10am	eDNA monitoring to support coastal native freshwater fish, early results and opportunities David Ryan <i>NSW DPIE Water</i>	Tasmania's Troubled Waters: Engaging communities through grassroots activism to protect our coastlines Peter Whish-Wilson <i>Australian Greens</i>	CoastAdapt: updated resources for coastal decision-makers Anne Leitch <i>Griffith University</i>	Modelling pollutant transport in estuaries to reduce the impact on oyster harvests Alice Harrison <i>UNSW Water Research Laboratory</i>
5 minute	Changeover	Changeover	Changeover	Changeover

11.15am – 11.35am	How to create effective adaptation pathways Phebe Bicknell <i>Alluvium Consulting</i>	Calming Coastal Community Conflict: Using Negotiation with Stakeholder Engagement Neil Dufty <i>Water Technology</i>	Bathtubs, planes, models and interpretation for tidal and coastal inundation mapping Emma Maratea <i>Rhelm</i>	Investigating drivers of poor water quality in Avoca Lagoon, NSW Michael Orr , <i>Department of Planning and Environment</i>
5 minute	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
11.40am – 12.00pm	Evaluating Coastal Adaptation at the Local Level: Queensland's QCoast2100 Program Aysin Dedekorkut-Howes <i>Griffith University</i>	Worimi Conservation Lands - Adapting to Climate Change (video) Tom Rivard presentation is now in session 8D	Data-driven decision-making to reduce the risk of drowning and injury Nick Mulcahy <i>Surf Life Saving NSW</i>	Science, community and industry the recipe for improving waterway health Prudence Tucker <i>MidCoast Council</i>
5 minute	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
12.05pm – 12.25pm	What's the Plan with NSW Beachfront Development – Protect, Retreat or Neither? Peter Horton <i>Horton Coastal Engineering</i>	NSW Coastal Design Guidelines 2023: good urban design for great coastal communities Maria Plytarias <i>Department of Planning and Environment</i>	A One-Line Model's Insight into Adelaide's Shoreline Management Ben Perry <i>Flinders University</i>	Estuary remediation works monitoring – too hard! Or is it? Damon Telfer <i>Fruition Environmental</i>

12.25pm – 1.25pm Lunch + Poster Presentations

Session 3 Concurrent 1.25pm – 3.00pm

	3A: Building resilient coasts, habitats and communities - the Stockton Story	3B: Coastal governance, economics and funding in Australia	3C: Restoring and protecting coastal habitats	3D: 10 Minute Presentations
Location:	The Arena	The Extra	The Vivid	King Street Room
Chair:	Paul Donaldson	Nick Harvey	Deanne Nelson-Pritchard	Danny Bucher
1.25pm – 1.45pm	Are Temporary Coastal Protection Options Black and White? Natalie Patterson <i>Royal HaskoningDHV</i>	Coastal Hazards Planning and Management in WA Vivienne Panizza <i>Department of Planning, Lands & Heritage WA</i>	Not all barrens are created equal: Investigating diet of <i>Centrostephanus rodgersii</i> urchins Jeremy Day <i>University of Newcastle</i>	1.25pm – 1.35pm Wind flow through native and exotic vegetation on coastal dunes Madeleine Brown <i>The University of Otago</i>
				1.35pm – 1.45pm AI For Coastal Hazard Prediction in NSW Marcello Sano <i>Department of Planning and Environment</i>
5 minute	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
1.50pm – 2.10pm	Evaluating Coastal Management Schemes for Stockton: Balancing Stakeholder Interests and Sustainable Solutions Heiko Loehr <i>Bluecoast Consulting Engineers</i>	Supporting coastal local governments in Western Australia Lucy Sheehy <i>Western Australian Local Government Association</i>	Restoring estuarine fisheries habitat, hydraulics, & sediment transport with hardwood log structures Tim Dilworth <i>Riparian Engineering & Mars Oram City of Gold Coast</i>	1.50pm – 2.00pm Effects of shoreline strategies on wrack associated invertebrates in Lake Macquarie, NSW Gemma Clifton <i>Macquarie University</i>

				2.00pm – 2.10pm Yitpi Yartapuultiku Living Shoreline Design, Port Adelaide River Annabel Sandery <i>Hatch</i>
5 minute	Changeover	<i>Changeover</i>	<i>Changeover</i>	Changeover
2.15pm – 2.35pm	A view of the CMP process from the eroding beach at Stockton Ron Boyd <i>Stockton Community Group</i>	Key elements of a Tasmanian Integrated Marine Estate Act: it's TIME Eloise Carr <i>The Australia Institute</i>	Keeping Sydney Harbour clean through Smart Technology Ana Terrazas <i>Sydney Coastal Councils Group</i>	2.15pm – 2.25pm Comparing how six models simulate 40 years of historical shoreline change Oxana Repina <i>University of Wollongong</i>
				2.25pm – 2.35pm Looking beneath the waves: Mapping ebb-tidal deltas using satellite imagery Annette Burke <i>University of Newcastle</i>
5 minute	Changeover	<i>Changeover</i>	<i>Changeover</i>	Changeover
2.40pm – 3.00pm	Stockton Beach Nourishment: From preferred solution to implementation Evan Watterson <i>Bluecoast Consulting Engineers</i>	Using economic information in coastal decision-making Anthony Boxshall & Anna Grage <i>Victorian Marine & Coastal Council</i>	Fresh Ideas for a Stinky Creek. The Restoration of Tidal Channels Phillippa Biswell <i>Sutherland Shire Council</i>	2.40pm – 2.50pm Challenges and innovations for water quality monitoring after the storm Maddison Carbery <i>Department of Planning and Environment</i>
				2.50pm – 3.00pm Temporal clustering of storm events around Australia Alexandra Maskell <i>JBPacific</i>

3.00pm – 3.30pm Afternoon Tea + Poster Presentations

Session 4 Concurrent 3.30pm – 5.05pm

	4A: Connecting with Country	4B: Building resilient coasts, habitats and communities	4C: The knowledge we need for the coast we want	4D: 10 Minute Presentations
Location:	The Arena	The Extra	The Vivid	King Street Room
Chair:	Philippa Hill	Marc Daley	Phil Watson	Kendall Mollison
3.30pm – 3.50pm	Aboriginal cultural fishing local management plans – delivering community aspirations & supporting self-determination Carl Bevilacqua <i>NSW Department of Primary Industries (Fisheries)</i>	Breathing life into a Living Shoreline - Wagonga Inlet Living Shoreline project Heidi Thomson <i>Eurobodalla Shire Council & Jillian Keating, Department of Primary Industry - Fisheries</i>	Revisiting the 1974 Storms: Reflections on the Bengello Beach, Moruya experience Roger McLean <i>University of New South Wales</i>	3.30pm – 3.40pm Monitoring NSW estuarine health, towards a more holistic approach Colin Johnson <i>Department of Planning and Environment WWCS</i>

				3.40pm – 3.50pm Assessing and managing estuary health as part of your Coastal Management Program Vanessa McCann <i>Department of Planning and Environment</i>
5 minute	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
3.55pm – 4.15pm	Connecting on Country for Eurobodalla's Open Coast CMP Cameron Whiting <i>Eurobodalla Shire Council</i>	Innovations to respond to vulnerability in Australian coastal communities Carmen Elrick-Barr <i>University of the Sunshine Coast</i>	Investigating Extreme Storm Damage to Coastal Structures Over the last Three Decades Indra Jayewardene <i>Manly Hydraulics Laboratory</i>	3.55pm – 4.05pm Morphological Variation in Estuaries, A Case Study of Moonee Creek, NSW Madelaine Broadfoot <i>University of Newcastle</i> 4.05pm – 4.15pm Community Changemakers' Course to create ambassadors for Tuggerah Lakes Estuary Ashley Kelly <i>Central Coast Council</i>
5 minute	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
4.20pm – 4.40pm	Creating culturally safe opportunities when engaging First Nations people Andrew Williams <i>Department of Planning and Environment</i>	Beach Scraping and Dune Rehabilitation for Coastal Protection in the Shoalhaven Chris Adamantidis <i>Advisian & Nigel Smith, Shoalhaven City Council</i>	The tide is high: a new perspective on coastal flood hazards Ben Hague <i>Bureau of Meteorology</i>	4.20pm – 4.30pm How long before an estuary benefits from habitat repair? Vincent Raoult <i>University of Newcastle</i> 4.30pm – 4.40pm Investigating characteristics of underwater soundscapes in NSW estuaries Brittney Valenzisi <i>University of Newcastle</i>
5 minute	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
4.45pm – 5.05pm	Worimi People and City of Newcastle proactively conserving the Stockton coastal zone Uncle Lennie Anderson , <i>Worimi Nation Traditional Aboriginal Elders and Custodian Group</i> Charlene Wellard <i>City of Newcastle</i>	Low-cost nature-based shoreline protection for estuaries and lagoons Angus Gordon <i>Coastal Zone Management and Planning</i>	Remote sensing of river flood discharges into coastal waters. Nagur Cherukuru <i>CSIRO</i>	4.45pm – 4.55pm An uplifting story - Collaborating on raise and fill adaptation actions Neale Farmer <i>Lake Macquarie City Council</i> 4.55pm – 5.05pm The benefits of embracing new technologies: SLSNSW's Journey with Uncrewed Aerial Vehicles Paul Hardy <i>Surf Life Saving NSW - Australian UAV Service</i>

Welcome drink at NEX followed by an evening at leisure to explore Newcastle restaurants

Day Two – Wednesday 1st November 2023

8.00am Registration (for 1 Day delegates)

Session 5 Field Trips

8.15am– 5.00pm

Field trips will depart from NEX Foyer at 8.30am and will return approximately 5.00pm, (please arrive by 8.15am). The afternoon walking tour departs at 1.00pm from Queens Wharf (not NEX).

Please refer to the Conference App as to which tour you are booked on and additional information about the field trip.

Please ensure you dress appropriately for the weather – sunscreen, hats (or rain gear), enclosed walking footwear and a light jacket. Don't forget to bring your drink bottle!

Sponsored by:



Department of Planning and Environment

Field Trip 1: Wetland Restoration Stories from the Hunter River Estuary (full day and lunch included)

Field Trip 2: Integrated coastal management in action – Lake Macquarie's approach to Managing Coastal and Climate Hazards whilst Protecting and Improving Ecosystem Health (full day and lunch included)

Field Trip 3: Cultural and Environmental Heritage of the Port Stephens Region (full day and lunch included)

Field Trip 4: Coastal Geomorphology and Sediments of the Newcastle to Port Stephens Region (full day and lunch included)

Field Trip 5: Welcome to the Sand Pit – Coastal Management at Stockton Beach (morning half day tour and lunch included)

Field Trip 6: Changing Seascapes, Coastlines and Identities - Newcastle's Southern Beaches Walking Tour (afternoon half day tour – no catering, please bring water)

7.00pm Casual Evening at Merewether Surfhouse

Sponsored by Department of Planning and Environment – Crown Lands

Limited return coach shuttles will depart from NEX at 6.45pm – please sign up at the registration desk.



Planning & Environment
Crown Lands

Day Three – Thursday 2nd November 2023



8.15am Registration (for 1 Day delegates)

Session 6 Plenary 8.45am – 10.10am
 Location: The Arena
 Chair: Philippa Hill

- 8.45am Welcome to Day 3
 Silver Sponsor Address
Aunty Elizabeth McEntyre, *Worimi and Wonnarua Elder & Member Hunter Local Land Services Board*
- 8.50am Progress and Priorities in Australian Coastal Adaptation Law
Prof Jan McDonald, *University of Tasmania*
- 9.30am Indigenous Knowledge is Saving our Iconic Species
Teagan Shields, *University of Melbourne*

10.10am – 10.40am Morning Tea + Poster Presentations

Session 7 Concurrent 10.40am – 12.15pm


	7A: Coastal Blue Carbon Ecosystems <i>Sponsored by</i>  Australian Government Department of Climate Change, Energy, the Environment and Water	7B: Community collaboration on the coast  Local Land Services	7C: Opportunities for adaptive coastal planning	7D: Building resilient coasts, habitats and communities
Location:	The Arena	The Extra	The Vivid	King Street Room
Chair:	Ariana Magini	Cassandra Kottaras	Carmen Elrick-Barr	Karen Mason
10.40am – 11.00am	We need to start making transition plans for our estuaries Will Glamore <i>Restore Blue</i>	The Shoalhaven Foreshore Education Project: promoting best-practice dune management by foreshore residents Braiya White <i>Shoalhaven City Council</i>	A national climate risk assessment and adaptation plan for Australia – insights Lucy Brazier-Hollins, Angela Maharaj <i>Department of Climate Change, Energy, the Environment & Water</i>	Shifting sand in response to rising water: Adaptation through raise and fill Mark Wainwright <i>Salients</i>
5 minute	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
11.05am – 11.25am	Nature-based Solutions for estuaries: Overcoming design barriers to implementation Thomas Dunlop <i>University of New South Wales</i>	How south will they go? Communities protecting threatened marine turtles in NSW Merryn Dunleavy <i>Australian Seabird & Turtle Rescue</i>	California Dreaming: Lessons from the Golden State for Australian Coastal Adaptation Robert Kay <i>Arup</i>	Use of artificial reefs in Queensland to enhance ecological and recreational values Paul Prenzler <i>Royal HaskoningDHV</i>
5 minute	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
11.30am – 11.50am	Opportunities for floodplain remediation where ancient landscapes and modern development collide Kate Waddington <i>Water Research Laboratory, UNSW</i>	What does the community value about their coastal catchment? Ari Comben <i>Department of Planning and Environment</i>	Managing a vulnerable coast: findings of a national study on coastal governance Tim Smith <i>University of the Sunshine Coast</i>	Coastal hazard adaptation in the Torres Strait Islands Michael Rosenthal <i>Rhelm</i>

5 minute 11.55am – 12.15pm	Changeover Yeramba Lagoon: An example blue carbon habitat restoration project Toby Tucker <i>Water Research Laboratory, UNSW</i>	<i>Changeover</i> Engaging the masses: case studies from the NSW Oyster Reef Restoration project Jillian Keating <i>Department of Primary Industries - Fisheries</i>	<i>Changeover</i> Application of adaptive approaches utilising triggers and thresholds in coastal management Marc Daley <i>Department of Planning and Environment</i>	<i>Changeover</i> Re-calculating coastal extremes for the future Dan Rodger <i>JB Pacific</i>
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12.15pm – 1.00pm Lunch + Poster Presentations

Session 8 Concurrent

1.00pm – 3.00pm

	8A: Coastal Blue Carbon Ecosystems Sponsored by:  Australian Government Department of Climate Change, Energy, the Environment and Water	8B: Coastal governance, economics and funding in Australia	8C: The knowledge we need for the coast we want	8D: 10 Minute Presentations
Location:	The Arena	The Extra	The Vivid	King Street Room
Chair:	Will Glamore	Bruce Thom	Mitchell Harley	Jess Morris
1.00pm – 1.20pm	DCCEEW's work in coastal blue carbon ecosystems & the launch of a practitioner's guide for undertaking hydrologic assessments Ariana Magini, Katherine Mitchell, <i>Department of Climate Change, Energy, the Environment and Water &</i> Will Glamore, <i>Restore Blue</i>	Is integrated coastal management more difficult in federated countries like Australia? Nick Harvey <i>University of Adelaide</i>	Time and tide: A new pixel-based method for mapping dynamic intertidal topography Robbi Bishop-Taylor <i>Geoscience Australia</i>	1.00pm – 1.10pm Planning for coastal resilience with a national coastline reserve. Mark Ellis <i>Bond University</i> 1.10pm – 1.20pm Litter prevention success stories from the tourism industry in coastal destinations Jenny-Lee Scharnboeck <i>Take 3</i>
5 minute	Changeover	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
1.25pm – 1.45pm	A Decade of Big Swamp Restoration: Championing Ecosystem Restoration Jamie Ruprecht <i>UNSW Water Research Laboratory</i>	Monitoring implementation of the NSW Coastal Management Framework from 2018 to 2022 NSW Coastal Council	AI powered insights into beach visitation using smart cameras Chris Drummond <i>Department of Planning and Environment</i>	1.25pm – 1.35pm Delivering priorities for the Gippsland Lakes through partnerships Glenys Watts <i>East Gippsland Catchment Management Authority</i> 1.35pm – 1.45pm WRL Coastal Floodplain Prioritisation Studies Kylie Russell <i>DPI Fisheries</i>
5 minute	Changeover	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
1.50pm – 2.10pm	From Blue Carbon to Oyster Reefs – a partnership approach for marine and estuary adaptation on the Mid-North Coast of NSW Brian Hughes, <i>Local Land Services</i>	Managing the coastline: exploring the evolving success of the Coastal Management Act Kirston Gerathy <i>HWL Ebsworth Lawyers</i>	A national-scale EWS for beach erosion and coastal flooding hazards during storms Ian Turner <i>UNSW Water Research Laboratory</i>	1.50pm – 2.00pm Environmentally-friendly strategies for shoreline protection in coastal lakes and lagoons Katherine Dafforn <i>Macquarie University</i>

				2.00pm – 2.10pm Tuggerah Lakes Wrack Management Strategy- Achieving outcomes through Council and community co-design Jenna Markwick Central Coast Council
5 minute	Changeover	Changeover	Changeover	Changeover
2.15pm – 2.35pm	Mapping and investigating intertidal exposure on Australian coastlines using open-source satellite data Claire Phillips, Geoscience Australia	Five Years On: The Coastal Management Reforms in Practice Megan Hawley Lindsay Taylor Lawyers	Geomorphological characteristics of Old Bar Beach and its implications for coastal hazards. Paul Donaldson Department of Planning and Environment	2.15pm – 2.25pm The OceanWatch national marine NRM plan 2023-27 Simon Rowe OceanWatch Australia
				2.25pm – 2.35pm A day in the life of a TBLALC Indigenous Land and Sea Ranger Leweena Williams Tweed Byron Local Aboriginal Land Council
5 minute	Changeover	Changeover	Changeover	Changeover
2.40pm – 3.00pm	2.40pm – 2.50pm Assessing ecosystem services associated with blue carbon restoration using a trait-based approach Dana Lanceman UNSW	Tidal boundaries: Fixed or Floating? Ballanda Sack Beatty Hughes and Associates	Improved technique to map coastal cliff erosion on a large scale Patrick Knook Tonkin + Taylor	Shifting Thresholds and Uncertain Ground: Radical Co-existence along the Australian Coast Tom Rivard REALMstudios
	2.50pm – 3.00pm Towards national mapping of Australia's supratidal forests Chris Owers & Rafael Carvalho University of Newcastle			

3.00pm – 3.30pm Afternoon Tea + Poster Presentations

Session 9 Concurrent 3.30pm – 5.10pm

	9A: Restoring and protecting coastal habitats	9B: Building resilient coasts, habitats and communities	9C: Estuary health and hazards - connecting land and sea	9D: 10 Minute Presentations
Location:	The Arena	The Extra	The Vivid	King Street Room
Chair:	Joshua van Leir	Marie Ferland	Vanessa McCann	Karenne Jurd
3.30pm – 3.50pm	Birubi Point Aboriginal Place Tourism Transport Interchange – Managing Winds of Change Scott Christie Port Stephens Council & Patrick Lawless, Royal HaskoningDHV	Responding outside of the Red and Yellow Flags. A new Emergency Service Steven Pearce Surf Life Saving New South Wales	Advancing knowledge of estuarine health through industry-research partnership in regulatory monitoring Nicholas Doreian Griffith University	3.30pm – 3.40pm One integrated and living entity – a governance paradigm shift Leia Howes & Cath Olive Great Ocean Road Coast and Parks Authority

				<p>3.40pm – 3.50pm Marine and Coastal Strategy 2022 – Collaboration in marine and coastal management Rebecca Price Department of Energy Environment and Climate Action</p>
5 minute	Changeover	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
3.55pm – 4.15pm	Artificial Reefs to Enhance Fish Friendly Marinas Ben Morgan Advisian	Holistic Hazardous Surf Conditions, Warnings, and the Bureau Way Jessie Gray & Steven Bernasconi Bureau of Meteorology	National probabilistic coastal inundation hazard assessment tool Julian O'Grady CSIRO	<p>3.55pm – 4.05pm Managing legacy breakwaters and related structures on coastal/submerged Crown land in NSW David Kirby Department of Planning and Environment - Crown Lands</p> <p>4.05pm – 4.15pm Lessons learned in Coastal Protection works from a Local Government Perspective Luke Moroney Shoalhaven City Council</p>
5 minute	Changeover	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
4.20pm – 4.40pm	Improving on the traditional approach to delivering erosion control in estuarine settings Shaun Morris North Coast Local Land Services	Conceptualising Digital Twins to inform future managers of estuaries Peter Coad Hornsby Shire Council	Ahead of the flood: proactive entrance management with real-time intelligence for Tuggerah Lakes Matthew Phillips Manly Hydraulics Laboratory	<p>4.20pm – 4.30pm Saving our Species (SoS): helping communities in coastal habitat and shorebird conservation Christopher Tourenq Department of Planning and Environment</p> <p>4.30pm – 4.40pm Status and conservation of White-fronted Terns in Australia Eric Woehler Australasian Seabird Group</p>
5 minute	Changeover	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
4.45pm – 5.05pm	Main and Clarkes Beach Dune Recovery Project - Working with Mother Nature Chloe Dowsett Byron Shire Council Zoë Immisch Department of Planning and Environment	Coastal Conundrum: Beach Stormwater Outlets in NSW Yanyan Zhang Royal HaskoningDHV	Groundwater nutrients drive poor nearshore condition at Berkeley Vale, Tuggerah Lakes NSW Rebecca Swanson Department of Planning and Environment	<p>4.45pm – 4.55pm Our Plover Coast: Targeting grassy weeds and restoring habitat for beach-nesting birds Caroline Taylor Hills and Fleurieu Landscape Board</p> <p>4.55pm – 5.05pm Coming together for whale conservation Andy Marshall NPWS</p>

7.00pm

Conference Dinner and Awards Night at The Arena, NEX

80s Theme (prizes for best dressed)

Sponsored by



Day Four – Friday 3rd November 2023

8.30am Registration (for 1 Day delegates)

Session 10 Plenary 9.00am – 10.00am
 Location: The Arena
 Chair: Neil Kelleher

9.00am Social Media: More Risk or Reward
Roger Christie, *Propel*

9.40am Engaging Youth Voices
Alexa Stuart, *Rising Tide & Newcastle Young Citizen of the Year*

Session 11 Concurrent 10.10am - 10.55am

	11A: The knowledge we need for the coast we want	11B: Coastal governance, economics and funding in Australia	11C: Community collaboration on the coast	11D: 10 Minute Presentations
Location:	The Arena	The Extra	The Vivid	King Street Room
Chair:	Beverley Clarke	Marc Daley	Chris Drummond	Mike Kinsela
10.10am – 10.30am	Delivering impactful aquatic environmental science for decision makers, managers and NSW communities Jessica Bourner <i>Department of Planning and Environment</i>	Development of a Rapid Cost Benefit Analysis assessment Tool Kapil Kulkami RPS Group	Making policy personal – strategic planning with Victorian coastal communities Emma Hodson <i>Alluvium Consulting</i>	10.10am – 10.20am Foredundale overtopping, cut and destruction in 2022 at Bengello Beach, NSW Tom Oliver <i>UNSW Canberra</i>
5 minute	Changeover	Changeover	Changeover	Changeover
10.35am – 10.55am	Runup Distributions and Tidal Influence on the Accuracy of Empirical Runup Estimates Rosanne Hart <i>University of Newcastle</i>	Who pays for coastal adaptation? Martijn Gough <i>Aither</i>	Worimi Conservation Lands - Adapting to Climate Change (video)	10.20am – 10.30am A two-part seabed geomorphology classification scheme: seabed maps for diverse applications Rachel Nanson <i>Geoscience Australia</i>
				10.35am – 10.45am Managing Wastewater with Mangroves: Case Studies from Southeast Queensland Jenna Johnston <i>Water Technology</i>
				10.45am – 10.55am Ecological effects of foreshore stabilisation on fish assemblages in an estuarine channel Hayden Swift <i>University of Newcastle</i>

10.55am – 11.25 am Morning Tea + Poster Presentations

Session 12 Concurrent 11.25am – 1.00pm

	12A: The knowledge we need for the coast we want	12B: Coastal governance, economics and funding in Australia	12C: Community collaboration on the coast	12D: 10 Minute Presentations
Location:	The Arena	The Extra	The Vivid	King Street Room
Chair:	Peggy Svoboda	Charlene Wellard	Martijn Gough	Matt Heys
11.25am – 11.45am	Changing distributions of mangroves and saltmarshes in NSW estuaries Tim Glasby <i>Department of Primary Industries - Fisheries</i>	When should the federal government intervene in CZM? Bruce Thom Wentworth Group	Healthy profits and healthy waterways – can macadamias achieve both? Mitchell Call <i>Southern Cross University</i>	11.25am – 11.35am Modified Foredunes in NSW Tom Doyle <i>Department of Planning and Environment</i>
				11.35am – 11.45am Evolution of Minjerribah (South Stradbroke Island) post stabilisation of the Nerang River Tom Murray <i>Griffith University</i>
5 minute	Changeover	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
11.50am – 12.10pm	Next Generation of the NSW Nearshore Wave Transformation Toolbox Sean Garber <i>Baird Australia</i>	Greater Sydney Harbour Coastal Management Program—partnering with our partners. Sarah Joyce <i>Sydney Coastal Councils Group</i>	City of Coffs Harbour's Coastal Vulnerability Area journey to SEPP inclusion Sally Whitelaw <i>City of Coffs Harbour</i>	11.50am – 12.00pm After the Flames: Studying Mangrove Resilience at Clyde River Post-2020 Australian Bushfires Miranda James <i>University of Wollongong</i>
				12.00pm – 12.10pm High resolution submarine landslide-generated tsunami modelling for the Gold Coast Kendall Mollison <i>University of Newcastle</i>
5 minute	Changeover	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
12.15pm – 12.35pm	Caravan parks: threatened places, socially important spaces: a South Australian case study Beverley Clarke <i>Flinders University</i>	Managing commercial dredging and extraction on coastal Crown land in NSW Danny Bucher <i>Department of Planning and Environment - Crown Lands</i>	Simple tools to assist in the management of inundation in NSW estuaries Dave Hanslow <i>Department of Planning and Environment</i>	12.15pm – 12.25pm The future for foreshore development in Lake Macquarie Karen Mason <i>Lake Macquarie City Council</i>
				12.25pm – 12.35pm The ecological benefits of stormwater channel naturalisation in Sydney Harbour. Aiden Hose <i>Macquarie University</i>

5 minute	Changeover	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
12.40pm – 1.00pm	Investigating headland bypassing in a high-energy coastal environment Charlotte Uphues <i>Flinders University</i>	Key tools enabling an integrated approach to marine estate management in NSW Nicola Johnstone <i>Department of Primary Industry - Fisheries</i>	Victorian adaptation planning in practice. A case study of five pilot projects Hayden Forrest <i>Mornington Peninsula Shire Council & Rhiannon Glover, Corangamite Catchment Management Authority</i>	12.40pm – 12.50pm Coastal recreation: planning for demand, preservation and enhancing user experience Casey Johnston <i>Central Coast Council</i>
				12.50pm – 1.00pm Coastal compartments: sedimentological characteristics and morphodynamic behaviour in southern NSW Colin Woodroffe <i>University Of Wollongong</i>

1.05pm **Wrap Up + Announcement of 2024 & 2025 Conferences, The Arena**

1.20pm – 2.00pm Lunch

Poster Presentations



Tuesday 31 st October 2023 – Morning Tea, Trade Exhibition Area		Electronic Poster Number
10.35am – 10.38am	Sedimentary features and transport pathways on the southeast Australian shoreface-inner continental shelf Mike Kinsela, University of Newcastle	1
10.38am – 10.41am	The morphology of drowned palaeoshoreline features on the east Australian continental shelf Chloe Fitzpatrick, University of Newcastle	2
10.41am – 10.44am	Refreshing the Coastal NSW Water Quality Objectives Katherine McClellan, Department of Planning and Environment	3
Tuesday 31 st October 2023 – Lunch, Trade Exhibition Area		Chair: Molly Grew
12.35pm – 12.38pm	Submarine landslides in southeast Australia, a case study: the Brooms Head Complex Elise Buller, University of Newcastle	4
12.38pm – 12.41pm	Coastal Inundation Assessment of Newcastle Ocean Baths Using Field Observations and Modelling Thomas Fallon, Bluecoast Consulting Engineers	5
12.41pm – 12.44pm	The essential role of digital data, ensuring effective ongoing coastal infrastructure resilience Jacob Lee, Stantec Australia	6
12.44pm – 12.47pm	The Cape to Cape Resilience Project: Victoria's first regional coastal adaptation plan Cassandra Philippou, Department of Energy, Environment and Climate Action	7
12.47pm – 12.50pm	Benthic Infauna Responses adjacent to an Ocean Outfall in Temperate NSW Waters Megan Priestley, Advisian	8
12.50pm – 12.53pm	Easing the Squeeze: A Case Study in Stormwater Management on Beaches Nigel Smith, Shoalhaven City Council	9
12.53pm – 12.56pm	Rockfall monitoring in the coastal environment: A case study at Nobbys Head Abigail Watman, University of Newcastle	10
12.56pm – 12.59pm	How Victoria is shaping new resources for coastal hazard adaptation Elisa Zavadil, Victorian Government - DECCA	11
12.59pm – 1.02pm	Marine and Coastal Strategy 2022 - 5 years of action Rebecca Price, Department of Energy Environment and Climate Action	12
1.02pm – 1.05pm	River Condition Index as a tool for long term condition assessment David Workman, NSW DPIE Water	13
1.05pm – 1.08pm	Using high-resolution aerial imagery to quantify the exposure to drowning and injury Nick Mulcahy, Surf Life Saving NSW	14
Tuesday 31 st October 2023 – Afternoon Tea, Trade Exhibition Area		Chair: Rosanne Hart
3.10pm – 3.13pm	Faces of the future Adelaide Dedden, NSW National Parks and Wildlife Service	15
3.13pm – 3.16pm	Case study - Geocontainer short term protection works, Wye River, Victoria Leia Howes, Great Ocean Road Coast and Parks Authority	16
3.16pm – 3.19pm	Lessons learned in achieving effective community engagement for Shoalhaven's Coastal Management Programs Braiya White, Shoalhaven City Council	17
3.19pm – 3.22pm	A decadal nationwide assessment of climate-driven species redistribution using citizen science data Vincent Raoult, University of Newcastle	18
Thursday 2 nd November 2023 – Morning Tea, Trade Exhibition Area		Chair: Brittney Valenzisi
10.20am – 10.23am	Bushfire impact on waterways in New South Wales, Australia Thayanne Barros, UNSW	19
10.23am – 10.26am	A multidisciplinary approach to understanding the assets and risks of the Newcastle coastline Irene Perez Lopez, University of Newcastle	20
10.26am – 10.29am	Building the evidence for improving boating safety and amenity on coastal waterways Jack Hannan, Transport for NSW	21

Thursday 2nd November – Lunch, Trade Exhibition Area		Chair: Elise Buller
12.25pm – 12.27pm	Establishing priorities for Australia's Coastal Research Infrastructure (CoastRI) Dan Ierodiaconou, Integrated Marine Observing System	22
12.27pm – 12.30pm	A rapidly deployed and cost-effective solution for mangrove restoration Stuart Thomson, Mangroves.au	23
12.30pm – 12.33pm	Characterising Archaeal Communities in NSW Estuaries Emily Cocksedge, University of Newcastle	24
12.33pm – 12.36pm	Gut microbial communities of marine fishes Megan Huggett, University of Newcastle	25
12.36pm – 12.39pm	Environmentally friendly moorings as tools for habitat restoration in NSW coastal estuaries Madeline Langley, University of New South Wales	26
12.39pm – 12.42pm	Biofouling patterns on aquacultured blue mussels in Jervis Bay Kirralee McAlpine, University of Newcastle	27
12.42pm – 12.45pm	Spatio-temporal variability of NSW tidal residuals driven by climate and synoptic processes Cristina Viola, Department of Planning and Environment	28 HC
12.45pm – 12.48pm	Extreme water levels in estuaries: the influence of estuary type Hannah Power, University of Newcastle	29
12.48pm – 12.51pm	Adopting citizen science to better understand coastal social values Carmen Elrick-Barr, University of the Sunshine Coast	30
12.51pm – 12.54pm	Providing the evidence that successful oyster reef restoration projects really are successful Victoria Cole, NSW Department of Primary Industries Fisheries	31
Thursday 2nd November 2023 – Afternoon Tea, Trade Exhibition Area		Chair: Hayden Swift
3.10pm – 3.13pm	Ocean outfall impact detection in coastal offshore environments: the efficacy of eDNA Jodie Gibb, University of Newcastle	32
3.13pm – 3.16pm	Saving Seahorses and Improving Our Ports - A Case Study from Eden Katie Newton, Advisian	33
3.16pm – 3.19pm	Drone-based tracking of rays in estuarine systems: interactions with habitats and infrastructure Molly Grew, University of Newcastle	34
3.19pm – 3.22pm	Ebb and flow in media discourse, but less debate on coastal issues Anne Leitch, Griffith University	35
Friday 3rd November 2023 – Morning Tea, Trade Exhibition Area		Chair: Madelaine Broadfoot
11.05am – 11.08am	High-resolution aridity index and applications for post-fire debris flow modelling Neda Sharifi Soltani, Department of Planning and Environment	36
11.08am – 11.11am	The Marine Integrated Monitoring Program: supporting adaptive management of NSW marine estate Gwenael Cadiou, Department of Regional NSW - DPI Fisheries	37
11.11am – 11.14am	Monitoring Coastal Changes: Quantifying the Data Options Quandary Dylan McLaughlin, University of Wollongong	38