



NSW COASTAL CONFERENCE

The Next wave

8-10 NOVEMBER 2017
SHOAL BAY COUNTRY CLUB
PORT STEPHENS, NSW

CONFERENCE PROGRAM

(as at 11th October, subject to change)

Tuesday 7th November

- 8.30am Pre-Conference Workshop Registration
- 9.00am – 4.30pm Pre-Conference Workshop
“How Cost Benefit Analysis informs Coastal Hazard Management Decisions by Local Councils” (additional cost)
- 5.00pm – 6.00pm Optional Welcome Drink & Conference Registration,
Shoal Bay Country Club

PROGRAM - Day 1 Wednesday 8 November

8.00am Conference Registration

Session 1: Plenary 9.00am – 10.30am

- 9.00am Welcome to Country
- 9.10am Conference Welcome & Opening from Host Council
- 9.25am Dr David Harasti, *Fisheries NSW - Department of Industry*
- 10.05am Andrew Smith, *Worimi Local Aboriginal Land Council*

10.30am – 11.00am Morning Tea

Session 2: Concurrent 11.00am – 12.30pm

	2A: Inherited Landscapes	2B: What's It Worth?	2C: Coastal Protection
11.00am – 11.20am	Port Stephens: 200,000 Years of Change Bruce Thom <i>Wentworth Group of Concerned Scientists</i>	What's My Beach Worth? Economic Values of NSW Coastal Assets Sean Pascoe <i>CSIRO Oceans and Atmosphere</i>	Comparison of hard and soft engineering techniques for erosion control of historic rubbish tip sites on the open coastline in Port Fairy. Scott Elliott <i>Department of Environment, Land, Water and Planning</i>
5 min	Changeover	Changeover	Changeover

	Session 2A continued	Session 2B continued	Session 2C continued
11.25am – 11.45am	Working Our Way to the Core: Investigating Late Holocene Changes in Dee Why Lagoon Jason Ruszczyk <i>Northern Beaches Council</i>	Valuing Natural Infrastructure in the NSW Marine Estate Kylie Russell <i>DPI</i>	Self-help for Steven the Seawall Emma Graham <i>Lake Macquarie City Council</i>
5 min	Changeover	Changeover	Changeover
11.50am – 12.00pm	Shifting Sands: Documenting Nearshore Morphological Variability and Impacts on Shoreline Position Using Satellite Imagery Annette Burke <i>Macquarie University</i>	Maximising Community Wellbeing: Exploring the Relationship Between the Benefits That People Derive from the NSW Marine Estate and Threats to Those Benefits Natalie Gollan <i>NSW DPI</i>	Cyclone Debbie, Lessons Learned: Shute Harbour, QLD Matthew Prumm <i>Cardno</i>
12.00pm – 12.10pm	NSW Marine Seabed Mapping Dave Hanslow <i>Office of Environment and Heritage</i>	Cultural Ecosystem Services Derived from Estuaries Important for Local People's Well-being, and Considerations of Continued Supply Carol Martin <i>University of Newcastle</i>	Using Eco-engineering to Increase Services Provided by Coastal Infrastructure Mariana Mayer-Pinto <i>The University of New South Wales</i>
5 min	Changeover	Changeover	Changeover
12.15pm – 12.35pm	Identifying Sediment Compartment Dynamics of the Illawarra Coast Rafael Carvalho <i>University of Wollongong</i>	12.15pm – 12.25pm The Economic Value of Fisheries Harvest Supported from Saltmarsh and Mangrove Productivity in Two Temperate Australian Estuaries Matt Taylor <i>Port Stephens Fisheries Institute</i>	12.15pm – 12.25pm Sydney's Most Overtopped Seawall James Carley <i>Water Research Laboratory, UNSW Sydney</i>
		12.25pm – 12.35pm Determining the Contribution of Estuarine Habitats to the Diets of Commercially Important Fisheries Species in the Hunter River Vincent Raoult <i>University of Newcastle</i>	12.25pm – 12.35pm The Stockton Coastal Protection Project - How SCS Built a 10,000T Seawall and Sand Dune in 12 Weeks Ian Botha <i>Soil Conservation Service</i>

12.35pm – 1.30pm Lunch

Session 3: Concurrent

1.30pm – 3.05pm

	3A: Law and Policy	3B: Coastal Hazards	3C: Eco – Innovation
1.30pm – 1.50pm	Risky Business – Who is Legally Liable on the Coast? Karen Coleman <i>King & Wood Mallesons</i>	A Method for Assessing Shoreline Response to Climate Change, Consistent with a Risk-based Hazard Assessment Framework Michael Hughes <i>Office of Environment and Heritage</i>	Stopping the Sea but Creating a Habitat – an Accidental Crablandis Craig Covich <i>Mosman Council</i>
5 min	<i>Changeover</i>	<i>Changeover</i>	<i>Changeover</i>
1.55pm – 2.15pm	The Next Wave of Coastal Planning Law: A Legal Update Megan Hawley <i>Lindsay Taylor Lawyers</i>	Coastal Erosion Hotspots in Western Australia Tanya Stul <i>Seashore Engineering / NCCOE</i>	Lost and Found: The Oyster Reef Restoration Opportunity Kylie Russell <i>DPI</i>
5 min	<i>Changeover</i>		<i>Changeover</i>
2.20pm – 2.40pm	State Against State, Mate Against Mate: An Examination of NSW and QLD State Government Coastal Management Frameworks Paul Donaldson <i>BMT WBM</i>	Managing Public Protected Areas on Dynamic and Ambulatory Shorelines Bruce Coates <i>Office of Environment and Heritage</i>	Options for Stabilising Estuarine Riparian Zones Michael Taylor <i>Soil Conservation Service</i>
5 min	<i>Changeover</i>		
2.45pm – 3.05pm	The Draft NSW Marine Estate Management Strategy - how will it benefit the coast and people of NSW? Dr Wendy Craik AM <i>Chair NSW Marine Estate Management Authority</i>	East Coast Lows: A Wind, Rainfall and Inundation Hazard Database Showing Locations Most at Risk David Taylor <i>Baird Australia</i>	Finding a Path for Blue Green Innovation Simon Rowe <i>OceanWatch Australia</i>

3.05pm – 3.35pm Afternoon Tea

Session 4:		Concurrent		3.35pm – 5.10pm
	4A: Community Chat	4B: Management Planning	4C: Wetlands	
3.35pm – 3.55pm	Treading the Fine Line - Consultation on the Coast Philippa Hill & Elizabeth Akerman <i>Port Stephens Council</i>	Implementing Lake Macquarie's CZMP – the Story So Far Symon Walpole <i>Lake Macquarie City Council</i>	PFAS Contaminants at Williamstown RAAF Base: Understanding Emerging Pollutants in a Connected System Will Glamore <i>Water Research Laboratory, UNSW</i>	
5 min	Changeover	Changeover	Changeover	
4.00pm – 4.20pm	The Relationship of Conversations Along the Coast Andrew Staniland <i>MidCoast Council</i>	A Cultural Future - Managing Birubi Point Aboriginal Place Pam Dean-Jones <i>Umwelt Environmental Consultants</i>	Kooragang Wetlands: Retrospective of an Integrated Ecological Restoration Project in the Hunter River Estuary Peggy Svoboda <i>Hunter Local Land Services</i>	
5 min	Changeover	Changeover	Changeover	
4.25pm – 4.45pm	Community Perceptions of Coastal Hazards Anna Attard <i>UNSW Sydney</i>	CIRIA Beach Management Manual - Beach Triggers Nick Lewis <i>Royal HaskoningDHV</i>	Mangrove and Saltmarsh Threat Analysis in the Sydney Coastal Councils Region Kerrylee Rogers <i>University of Wollongong</i>	
5 min	Changeover	Changeover	Changeover	
4.50pm – 5.10pm	Bye Coastal: A 'factual' Walk Through Time on Australia's Edge Garry Egger <i>Australasian Society of Lifestyle Medicine</i>	4.50pm – 5.00pm Artificial Canal Estates Management Michael Strachan <i>Shoalhaven City Council</i>	Finding the Right Balance – Replacing the Mambo Wetlands Culvert Carlie McClung <i>Port Stephens Council</i>	
		5.00pm – 5.10pm Land Use Zoning Response To Climate Change Helen Monks <i>Highlight Consulting</i>		

5.10pm

Close of Day One

7.00pm

Welcome Reception, Broughtons at the Bay
Sponsored by "NSW Department of Industry – Crown Lands"

PROGRAM - Day 2

Thursday 9 November

8.30am Registration (for 1 Day delegates)

Session 5: Plenary 9.00am – 10.30am

9.00am Welcome to Day 2

9.05am – 9.50am “Living on the Edge: The Evolution of Coastal Management in New Zealand”
Raewyn Peart, Policy Director, Environmental Defence Society, NZ

10.30am – 11.00am Morning Tea

Session 6: Concurrent 11.00am – 1.00pm

	6A: Managing Risk	6B: Coastal Processes	6C: Getting Dirty
11.00am – 11.20am	Is Your Community Resilient? Best Practice Guidelines for Natural Hazard Resilience in the Built Environment Tom Davies <i>Edge Environment</i>	Modelling Inundation Extents of the June 2016 Storm Surge in Estuarine Environments Using Static and Dynamic Approaches Kristian Kumbier <i>University of Kiel</i>	11.00am – 11.10am Getting Dirty - Beating Byrons Bitou Bush Melinda Cox <i>North Coast Local Land Services</i>
			11.10am – 11.20am Tree Stumps and Logs Recycled from Pacific Highway to Restore River Health John Schmidt <i>Office of Environment and Heritage</i>
5 min	Changeover	Changeover	Changeover
11.25am – 11.45am	NSW Bar to Beach – Entrance Bar Management & Linking Dredging Operations with Coastal Hazard Mitigation & Beach Amenity Improvements Stuart Young & Galen Lewis <i>Manly Hydraulics Laboratory</i>	Wave Penetration into Waterways with Intermittently Closed Entrances Ian Coghlan <i>UNSW Water Research Laboratory</i>	Beresford Foreshore Coastal Protection Project – Getting Dirty in the West Rick Plain <i>Royal HaskoningDHV</i>
5 min	Changeover	Changeover	Changeover
11.50am – 12.10pm	Changing Rates of Sand Deposition at Pedro Beach, Southeastern Australia: Implications for Compartment-based Management Tom Oliver <i>University of Wollongong</i>	Measurements of Wave Overtopping on a Rocky Shore Platform Hannah Power <i>University of Newcastle</i>	Little Beach Boat Ramp – Understand the Big Picture, Get the Best Solution Charlene Wellard <i>Port Stephens Council</i>

	<i>Session 6A continued</i>	<i>Session 6B continued</i>	<i>Session 6C continued</i>
5 min	Changeover	Changeover	Changeover
12.15pm – 12.35pm	An Invisible Groyne for Beach Stabilisation Lex Nielsen <i>Advisian</i>	It's Time for an Update – Extreme Waves and Directional Distributions Along the New South Wales Coastline Matthieu Glatz <i>Manly Hydraulics Laboratory</i>	Prioritising On-ground Actions for Protecting Estuary Health, Using a Risk-based Framework and 'benefit' Maps Developed for Coastal Management Programs Jocelyn Dela-Cruz <i>Office of Environment and Heritage</i>
5 min	Changeover	Changeover	Changeover
12.40pm – 1.00pm	12.40pm – 12.50pm Bridging the Gap Between Ecological Risk Assessment and Risk Management Using Bowtie Analysis for Coastal Management Programs Karen Astles <i>Fisheries NSW</i>	Tweed Sand Bypassing Project - Follow That Sand! Patrick Lawless <i>Royal HaskoningDHV</i>	Reclaimed Land Reclaimed Again? Depends What Bag You Use to Clean Up the Mess Ray Massie <i>Shoalhaven City Council</i>

1.00pm – 1.45pm Lunch

Session 7: FIELD TRIPS

2.00pm – 4.45pm

	Description (<i>Afternoon Tea included on the Field Trip</i>)
FT1	Port Stephens Eastern Basin Boat Trip
FT2	Cultural Tour of Stockton Sand Dunes Worimi
FT3	DPI Fisheries Research Centre
FT4	Aquatic Habitat Rehabilitation – Tomago

4.45pm Close of Day Two

7.00pm Conference Dinner & Annual NSW Coastal Management Awards
Sponsored by "Royal HaskoningDHV", Wests Nelson Bay

PROGRAM - Day 3

Friday 10 November

8.30am

Registration (for 1 Day delegates)

Session 8:

Concurrent

9.00am – 11.00am

	8A: Adaptation	8B: A Bit Fishy	8C: Monitoring & Safety
9.00am – 9.20am	The Poor Cousin: What it takes to make relocation viable Allan Young <i>EMM Consulting</i>	9.00am – 9.10am Fauna and Flora of the 'terra Nullius Zone': Considerations for Ecological Assessments of Estuarine Habitats. David Cummings <i>Niche Environment and Heritage</i>	9.00am – 9.10am Prepared Councils Are Responsive Councils – Are You Ready? An Emergency Management Health Check Tool for Local Councils www.emhealthcheck.com.au Belinda Atkins <i>Sydney Coastal Councils Group</i>
		9.10am – 9.20am Would You Like Some Salt(marsh) with Your Fish? Heather Mitchell <i>Clarence Valley Council</i>	9.10am – 9.20am Managing Boating Safety Risk and Amenity on Our Waterways - Transitioning to a New Safe Systems Approach Michael Drake <i>Transport for NSW</i>
5 min	Changeover	Changeover	Changeover
9.25am – 9.45am	Adaptation Planning – Future-proofing Estuarine Vegetation to Support Internationally Significant Biodiversity in the Lower Hunter Estuary Under Changed Climate Scenarios Doug Beckers <i>Office of Environment and Heritage</i>	Building Policy And Best Practice Standards For Sustainable Aquaculture Development In NSW Waters Ian Lyall <i>NSW DPI</i>	Life Saving Technology – How Unmanned Aerial Vehicles (UAVs) Are Preventing Drowning Along the NSW Coastline Steven Pearce <i>Surf Life Saving New South Wales</i>
5 min		Changeover	Changeover
9.50am – 10.10am	The Jazz of Adaptation Planning Sharon Pope <i>Lake Macquarie City Council</i>	Sharks, Tags and Satellites – How Are They Helping Us to Be Shark Smart? Natalie Molschaniwskyj NSW Department of Primary Industries (Fisheries)	CoastSnap: a Novel Community Beach Monitoring Program Using Smartphones and Coastal Imaging Technology Mitchell Harley <i>Water Research Laboratory, UNSW Sydney</i>
5 min	Changeover	Changeover	Changeover

	Session 8A continued	session 8B continued	Session 8C continued
10.15am – 10.35am	Relocating High Risk Residential Development from Coastal Hazard Zones: Realistic Adaptation or Unrealistic Aspiration? Doug Lord <i>Coastal Environment</i>	10.15am – 10.25am Delivering Fisheries Spatial Data – The Development of the Fisheries NSW Spatial Data Portal Greg West <i>NSW Department of Primary Industries</i>	10.15am – 10.25am Coastal Monitoring Reveals Large-scale Influences of Estuaries on NSW Rocky Reefs Tim Glasby <i>NSW DPI</i>
		10.25am – 10.35am Testing the Viability of Oyster Restoration to Enhance Biodiversity in Urbanised Estuaries Victoria Cole <i>University of Sydney</i>	10.25am – 10.35am Using Verified Photo Observations As an Early Indication of Range Shifts in the Marine Environment: the Value of Citizen Science Troy Gaston <i>University of Newcastle</i>
5 min	Changeover	Changeover	Changeover
10.40am – 11.15am	“The Next Wave” Facilitated Discussion on Law and Policy	“The Next Wave” Facilitated Discussion on Eco-Innovation	“The Next Wave” Facilitated Discussion on Community Chat

11.15am – 11.45am Morning Tea

Session 9: Plenary

11.45am – 1.30pm

11.45am – 12.25pm **Dr Glenn Albrecht**, *School of Geosciences, Sydney University, The Tom Farrell Environment Centre & The University of Newcastle*

12.25pm – 1.00pm **Announcement for 2018 NSW Coastal Conference Host Council; Conference Closing & Wrap Up**

1.00pm – 2.00pm LUNCH