



National
Estuaries
Network



National Estuaries Network (NEN) Science Symposium: Healthy estuaries – understanding ecological and physical processes

Host: Department of Water (Western Australia) (in conjunction with the Ernest Hodgkin Trust) and Geosciences Australia.

Date: Wednesday 25th May 2011 – 8: 50 am to 5pm (registration from 8.15am)

Venue: The Case Study Room (First floor) – The University Club, University of Western Australia - Hackett Entrance #1, Hackett Drive, Crawley 6009.
<http://www.universityclubconferences.com.au/>

Lunch, morning and afternoon tea will be provided in the foyer (First floor). Drinks will be available for purchase in the University Club Cafe' and Bar following the Symposium.

For any queries please contact Vanessa Forbes by email (Vanessa.Forbes@water.wa.gov.au).

Please see <http://www.ozcoasts.org.au/pdf/NEN10poster.pdf> or attached flyer for more about the NEN.

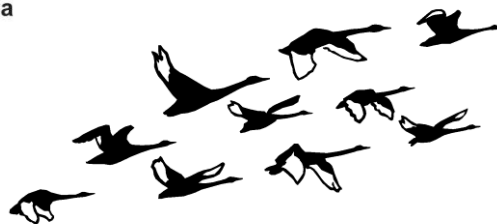


Government of **Western Australia**
Department of **Water**



Australian Government
Geoscience Australia

APPLYING GEOSCIENCE TO AUSTRALIA'S
MOST IMPORTANT CHALLENGES



NATIONAL TRUST

Keynote speaker: Professor Bill Dennison



Vice President for Science Applications
University of Maryland Center for Environmental
Science

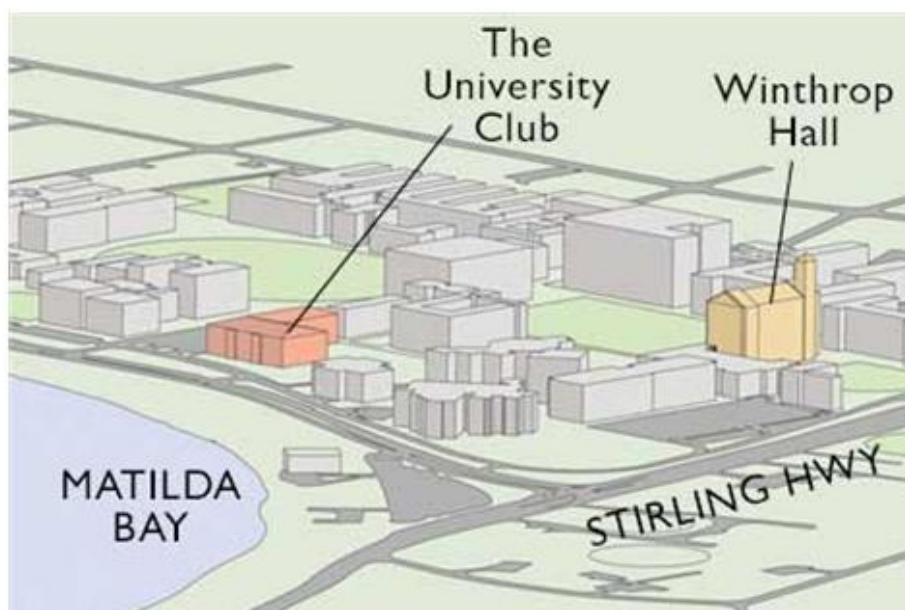
Dr. Bill Dennison is a Professor of Marine Science and Vice President for Science Applications at the University of Maryland Center for Environmental Science (UMCES). Bill Dennison rejoined UMCES in 2002 following a ten year stint at the University of Queensland in Brisbane, Australia. He originally started at UMCES (then the Center for Environmental and Estuarine Science) in 1987 as a Postdoctorate/Research Assistant Professor based at Horn Point Laboratory. In Australia, Bill developed an active Marine Botany group at the University of Queensland with strong links to the Healthy Waterways Campaign for Moreton Bay. Bill obtained his academic training from Western Michigan University (B.A., Biology & Environmental Science), the University of Alaska (M.S., Biological Oceanography), The University of Chicago (Ph.D., Biology), and State University of New York at Stony Brook (Postdoc, Coastal Marine Scholar).

For more information please see: http://ian.umces.edu/people/Bill_Dennison/

Venue location

Physical address
Hackett Dr, Crawley
Entrance #1
Carpark #3

Club reception contact;
Tel: (08) 6488 8770



Symposium schedule

8.15 - 8.50	Registration		
8.50 – 8.55	Housekeeping /Outline of symposium	VF/MR	
OPENING SESSION – Plenary talks			
9.00 - 9.10	Welcome and opening address	Prof Lyn Beazley	
9.10 - 9.55	Environmental management in the context of large scale change	Prof Bill Dennison	Uni. Maryland
9.55 – 10.25	Tidal dynamics and mixing in the upper Swan estuary	Prof Charitha Pattiaratchi	UWA
10.25 – 10.35	Discussion & questions		
10.35 – 11.00	Morning Tea		
MID -MORNING SESSION – Estuary interactions			
11.00 -11.15	Assessing, reporting and managing estuaries in Western Australia	Malcolm Robb	Dept. Water
11.15 - 11.30	Impact of climate change on estuarine seagrasses	Dr Kathryn McMahon	ECU
11.30 - 11.45	Classifying estuarine habitats and predicting their fish faunas	Dr Fiona Valesini	Murdoch
11.45 - 12.00	Impacts of interactive stressors in south-west Australian seagrass beds	Dr Mads Thomsen	Thomsenlab
12.00 - 12.15	Relationships between Fish and Benthic Macro-invertebrate Faunas and Habitat Types in Broke Inlet, Western Australia	James Tweedley	Murdoch
12.15 - 12.30	Discussion & questions		
12.30 - 13.15	Lunch		

EARLY AFTERNOON SESSION – Biology and estuarine processes

13.15 - 13.30	Challenges and opportunities for using coupled hydrodynamic-biogeochemical models for estuary management	Dr Matt Hipsey	UWA
13.30 - 13.45	Source and biogeochemical cycling of dissolved organic matter in an agro–urban estuary	Dr Kevin Petrone	CSIRO
13.45 - 14.00	Mechanisms controlling primary production in a salt wedge estuary	Leticia C. de Vilhena	CWR
14.00 - 14.15	The characteristics of the fish assemblages of the Leschenault Estuary. Inter-period comparisons and their management implications.	Lauren Veale	Murdoch
14.15 - 14.30	Patterns in the microbial community structure of the microtidal Swan River Estuary	Alice Gedaria	UWA
14.30 - 14.45	Invertebrate fauna of the Hardy Inlet, estuary of the Blackwood River Western Australia 2008 comparisons with 1976	Dr Anne Brearley	UWA
14.45 - 15.00	Discussion & Questions		
15.00 - 15.30	Afternoon tea		

AFTERNOON SESSION – Management and general interest

15.30 - 15.45	Estuarine Planning ; Lessons from the South Coast	Chris Gunby	Dept. Water
15.45 - 16.00	Seagrasses in recovering systems: resilient to further nutrient addition?	Dr Marion Cambridge	UWA
16.00 - 16.15	Spatial and temporal variation in the abundance of the black swan (Cygnus atratus) on the lower Swan River Estuary – implications for management	Gary Choney	ECU
16.15 - 16.30	Progress towards fish-based multimetric indices for assessing and monitoring the ecological health of the Swan-Canning Estuary	Dr Chris Hallett	Murdoch
16.30 - 16.45	Black Bream Restocking in the Blackwood River Estuary	Greg Jenkins	TAFE
16.45 - 17.00	Discussion & Questions		
17.00 - 17.15	Closing summary	Prof Bill Dennison	

Drinks at University Cafe & Bar

