

Estuaries Unmasked

EstuaryWatch Night Seminar Series

October 30th 6:00-8:00pm
Fig Tree Community House
16 Mountjoy Parade Lorne

Light dinner and refreshments provided
RSVP essential, required by the 26th of October

Format for the evening involves; the first speaker commencing at 6:00pm and concluding at 6:50pm, for a light dinner and refreshments. The second speaker will begin at 7:10pm and finish up at 8:00pm. Questions will be encouraged after each presentation.

Please Call 0428527083 for inquires and bookings

Guest Speakers

Neville Rosengren

Neville Rosengren is a geomorphologist with a Masters Research thesis on the geomorphology of the Gippsland coast and Ph D. studies of Indonesian volcanic islands. He has over 40 years experience in teaching, research and consultancy in varied environments in Australia and other countries. For example: Neville has undertaken the role of Senior Lecturer in Earth Science at La Trobe University, he has been engaged as a consultant for State and Commonwealth Government agencies, by major private sector environmental consulting firms and for several years was the senior environmental consultant to the United Nations University programme on coastal resources management in Indonesia. He is a specialist in landform studies, involving assessment of rates and processes of change in coastal, floodplain and mountain environments. This was demonstrated during his time as the advisor to the Land Conservation Council's Marine and Coastal Special Investigation (1993-94), as the geomorphologist on the Reference Group advising the Minister for Conservation on the establishment of the Victorian Coastal and Bay Management Council (1994), and as a member of the Senior Scientists Panel advising the Victorian Coastal Council (1998 - present), and the list goes on.

Neville is now an Honorary Associate of La Trobe University and lives in rural New Zealand.

Topic: Victoria estuaries; form, evolution and dynamics as climate and sea levels change. A discussion ranging from wave and tidal dynamics at the mouth to catchment-wide controls that influence estuary physical behaviour.

Dr Jessica Reeves

Jessica is a Research Associate with the Earth and Oceanic Systems Group at RMIT University. Her research interests involve the interplay between people and the environment and how evidence of this has been preserved in natural history records. Jessica uses ostracods (microscopic crustacea) preserved in sediments to unravel the past conditions of estuaries and lakes. By looking at the species present and the chemistry of their shells, she can determine temperature, salinity and dissolved oxygen conditions, back beyond instrumental records. In collaboration with researchers from the Universities of Adelaide and Ballarat, Jessica has recently completed a project looking at the past 500 year history of the Coorong Lagoon in South Australia. This project was able to determine the 'natural' conditions of the estuary, prior to European settlement and how regulation, water extraction and decreased rainfall in more recent times have impacted on the system.

Jessica has recently just begun a similar project on the Barwon River Estuary, and in time she hopes to expand this project to other significant estuaries in SW Victoria.

Topic: On the night Jessica will be presenting the results of her recent project in the Coorong and providing us with an insight into her upcoming project on the Barwon River Estuary.