

Presents:

Noosa Fish Kills

What really happened?

In August 2008 the Noosa River Aust Bass spawned 2 million embryos and most developed with 2 heads and 2 hearts and died within 48 hours.

This year the Noosa River Sea mullet had severe deformities like the Noosa River Aust Bass with 2 and 3 heads then 2 and 3 tails. All the Noosa River Sea Mullet embryos died.

The travelling Noosa Mullet hatched but only a handful lasted a few weeks before dying. Without reproduction the river fish will all die out as no young ones will replace the adults.

Two-headed bass- Chemical toxins, engineering and risk assessment- an under-appreciated cause of fishery decline.

Spray drift of agrichemicals, and toxin discharges from STP's will be discussed in light of findings of a veterinary investigations.

Matt is on the taskforce that is investigating the Fish Kill event and he will discuss the implications for inshore aquatic ecosystems.

16 November 2010

Time: 5:30pm for 6:00pm start

Venue:

Hawken Auditorium
Engineering House
447 Upper Edward St
Brisbane

Cost:

Members \$15
Non Members \$20
Students \$10
Please register to assist catering

Speaker:

Dr Matt Landos is one of Australia's few private veterinarians working exclusively with aquatic animals. His experience spans 11 years working as a private consultant with aquaculture and wild fisheries, and as a veterinary officer of the NSW State Government. Prior to moving into the aquatic field he was involved in mixed dairy practice for 6 years.

He is Director of his own aquatic veterinary consulting company. A growing area of his business has been investigation of health impacts of chemical exposures in aquatic animals. This has included the now infamous 2-headed Noosa Bass case, and the two biggest fish kills in the last 10 years in the Richmond River. With a team of other researchers work is now beginning to examine the immunological effects of environmental toxins, particularly agrichemicals, on aquatic organisms- oysters and crustaceans.

Matt is actively involved with his professional associations and is president of the Aquatic Animal Health Chapter of the College of Veterinary Scientists. He also is a strong promoter and contributor to the inclusion of aquatic animals into the Australian Veterinary Association conferences. He sits on a number of industry committees as a fish health advisor for the Australian Barramundi Farmers Association and the NSW Land based aquaculture committee.

Dr Landos is an honorary lecturer and associate researcher at the University of Sydney, Faculty of Veterinary Science. He has pioneered expansion of the aquatic animal curricula with Professor Richard Whittington, and contributed to a range of research projects from ornamental fish viral diseases, to parasitic diseases of farmed fish. He has featured on a recent 60 minutes program on the two headed bass, and been prominent in print media over the case.

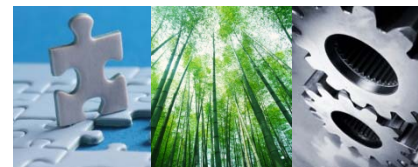
Drinks and Networking

Please join us for a few drinks and light supper after the presentation.

The presentation will count as one hour towards your CPD.

Visit the Engineers Australia Qld website at:

<http://qld.engineersaustralia.org.au/jetspeed/>



Yes, I will be attending the **Noosa Fish Kills** session on **16 November 2010**

For catering purposes please register by 12pm on Nov 12 2010

To register:

(Event Code - LA20101116)

- On-line at the [QLD Division Events Website](http://www.qld.gov.au/events)
- Email a completed form to Queensland Division at gld@engineersaustralia.org.au
- Fax your registration to (07) 3832 2101
- Phone (07) 3832 3749

Name (s) _____

Company _____

Address _____

Telephone _____

E-mail _____

___ Members x \$15.00 (Inc GST) \$ _____ (SSEE or Engineers Australia)
___ Non-members x \$20.00 (Inc GST) \$ _____
___ Students x \$10.00 (Inc GST) \$ _____ (Fulltime or undergraduate)

Please register me and I will pay on the night

Payment by cheque:

Please make cheques payable to the Institution of Engineers, Queensland Division

Payment by credit card:

Bankcard MasterCard Visa Diners Amex

Amount \$ _____

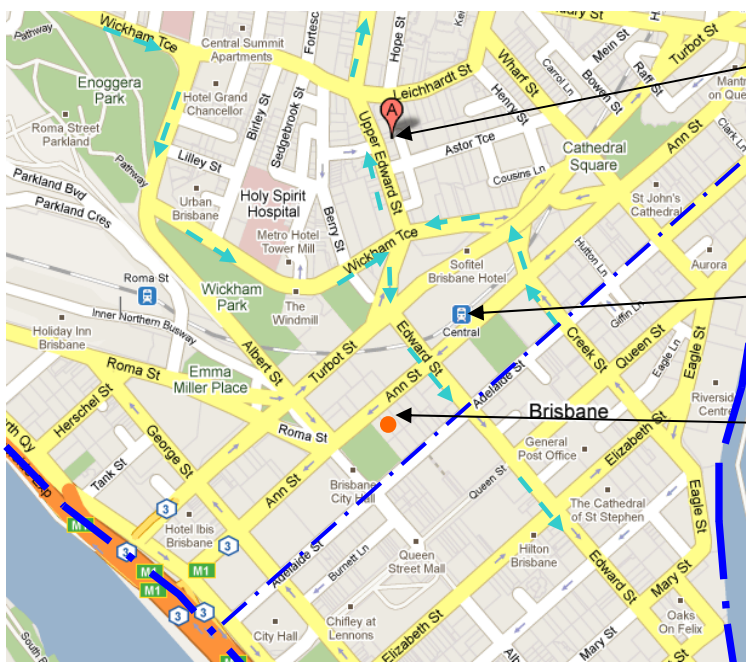
Card number _____

Expiry date _____ Signature _____

Cardholder's name _____

Once completed this form is a valid tax invoice. ABN 54 586 415 692

SSEE encourages you to travel by public transport.



Engineering House
447 Upper Edward St

Spring Hill Loop bus
every 10 minutes until 6pm

Central Train Station

Citycat

Transport Information Centre

Pedestrian - Cycle way

For more information go to <http://www.translink.com.au/> or visit the **Transport Information Centre** at King George Square station, Ann Street Concourse.

