Healthy Estuaries 2111

What will our estuaries look like in 100 years?
Thank you to our sponsors
Thinking about healthy estuaries in the Year 2111 and assuming support and resources:

What is your vision of what an estuary should look like?

Think about: What do you value in an estuary? How do you use estuaries?
Why Healthy Estuaries 2111?

It all began....

at the Swan River Trust Forum in November 2011

with a panel discussion as to what we thought the Swan River would look like in a 100 years...
Working group

Jane Chambers  Murdoch University
Neil Loneragan  Murdoch University
Kerry Trayler  Swan River Trust
Malcolm Robb  Dept. of Water
Frances D’Souza  Dept. of Water
Julie Robert  SERCUL
Paul Lavery/Kathryn McMahon  Edith Cowan University
Matt Hipsey  The University of WA
Mike Mouritz  City of Canning
Michael Hughes  Curtin University
Bevan Bessen  Tuna Blue Pty Ltd
Steering Committee

Lyn Beazley  Chief Scientist
Greg Davis  Dept. of Water
Rod Hughes  Swan River Trust
Mark Batty  WALGA
Andy Steven  CSIRO
Peter Rogers  WAMSI
Chris Simpson  Dept of Environment and Conservation
Why think ahead?

Because the goal posts are changing...

Mandurah Coastal Times, Mandurah WA
Editorials: 10 October 2012

Jill Burgess - Editor
Perth: Population growth

2011:
1.705 million

2111:
5.388 million

Source: Australian Bureau of Statistics, population projections
Climate change: Sea Level rise

At Fremantle:
1.54mm/yr past 100 years
5 mm/yr past 10 years

Pattiaratchi (2008)
“It’s already too late!”

- Murdoch Uni has a forum coming up about how our estuaries are to look in 100 years. Wat a laugh, the Australind estuary is dead, the only thing that lives in there is blow fish. Come down and have a look, not hold forums, that estuary was a great place to fish, swim, hold BBQs now it's a smelly SES pool.

- Feel free to send me an email with questions I will be happy to answer them. I'm sorry if I have come across as being nasty, but your ad in the paper about estuary protection got me going to late for the Australind estuary.
It could get worse!
Life Support: adding $O_2$ to the Swan River
How could this happen when everyone values estuaries?

- **Swan-Canning Estuary**: 90% of people agreed or strongly agreed that the rivers are a really important part of Perth’s landscape, 97% that natural areas are really important and should be retained.

  Community Survey of Future Values and Aspirations for the Swan and Canning River, Swan River Trust (2007)

- **Leschenault Estuary**: >80% of people highly value the estuary

  Sandra WOOLTORTON, Edith Cowan University “The Leschenault Project”
We think too small, like the frog at the bottom of the well. He thinks the sky is only as big as the top of the well. If he surfaced, he would have an entirely different view.

Mao Tse-tung
Decisions made in the catchment are disconnected from estuary health
Ecosystem Services:
salt marshes provide Flood Control
We need to make informed choices.
What is our vision?

11:00 – 12:30 pm
Sustaining values into the future
Interactive panel workshop

**Development:** Colleen Yates Peel Development Commission
**Tourism:** Phil Coulthard Dolphin Discovery Centre
**Indigenous community:** Zac Webb, South West Catchments Council
**Recreation:** Andrew Rowland RecFishWest
**Youth:** Jos Fissioli Swan River Trust
**Agriculture:** Rob Summers Department of Agriculture and Food, WA
**Industry:** Brian Doy, ALCOA Australia
**Community:** Julie Robert SERCUL
**Ecological values:** Fiona Valesini, Murdoch University
Collaborative governance

- Already successfully used in USA eg in Chesapeake Bay and the Florida Everglades Restoration project
What tools, strategies are out there to help us achieve our vision?

1:15 – 2:45 pm
How can we achieve Healthy Estuaries?

Interactive Market Place
Interactive booths outlining management frameworks, tools and drivers for action. These will include a short presentation by a speaker, display boards and input/discussion by forum participants.

Potential management frameworks:
• Swan River: River Protection Strategy
  Sue Campbell Swan River Trust

and many other excellent tools and strategies
3:15 – 4:30 pm
Coordinating input of the best information, tools and skills

3.15 – 3:30 Engaging indigenous knowledge and culture
Nerilee Boshammer South West Catchments Council

3:30 – 3:45 Cleaning up our act - the role of psychology
Carmen Lawrence The University of Western Australia

3:45 – 4:00 Coordinating science into management
Kerry Trayler Swan River Trust

4:00 – 4:15 Liveable Cities
David Pannell The University of Western Australia
The most important part of the day is your input

Healthy Estuaries 2111 Forum
Mandurah Performing Arts Centre
24th October 2012

Participant Input

Introduction

Thinking about healthy estuaries in the Year 2111 and assuming support and resources:

What is your vision of what an estuary should look like?

Think about: What do you value in an estuary? How do you use estuaries?
What will our estuaries look like in 100 years?

Let’s decide and make it happen.