

Shifting Sands

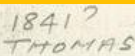


**The changing landscape of
environmental collaborations & partnerships**



Neil Blake – Port Phillip EcoCentre, June 2019





William Thomas map of 'Nerm' and 'Weston Port', 1841?



Native well - Black Rock, 2012

Collaborations / partnerships? What are they?

Collaboration: two or more people working together to achieve the same thing.

Partnership: an arrangement where parties known as partners agree to cooperate to advance their mutual interests.

Essential components: clear goals, research, communication, project planning, project sponsor, motivation, good management, engaged community, mandate, commitment.

Involving who?

General public

Community
enviro groups

Local
government

Marine
industry

Not-For- Profit
orgs

State
government

Business/
tourism sector

Philanthropics

Federal
government

Recreation
interest groups

Schools

Tertiary
Institutes

Research orgs

Media / arts

REPORT

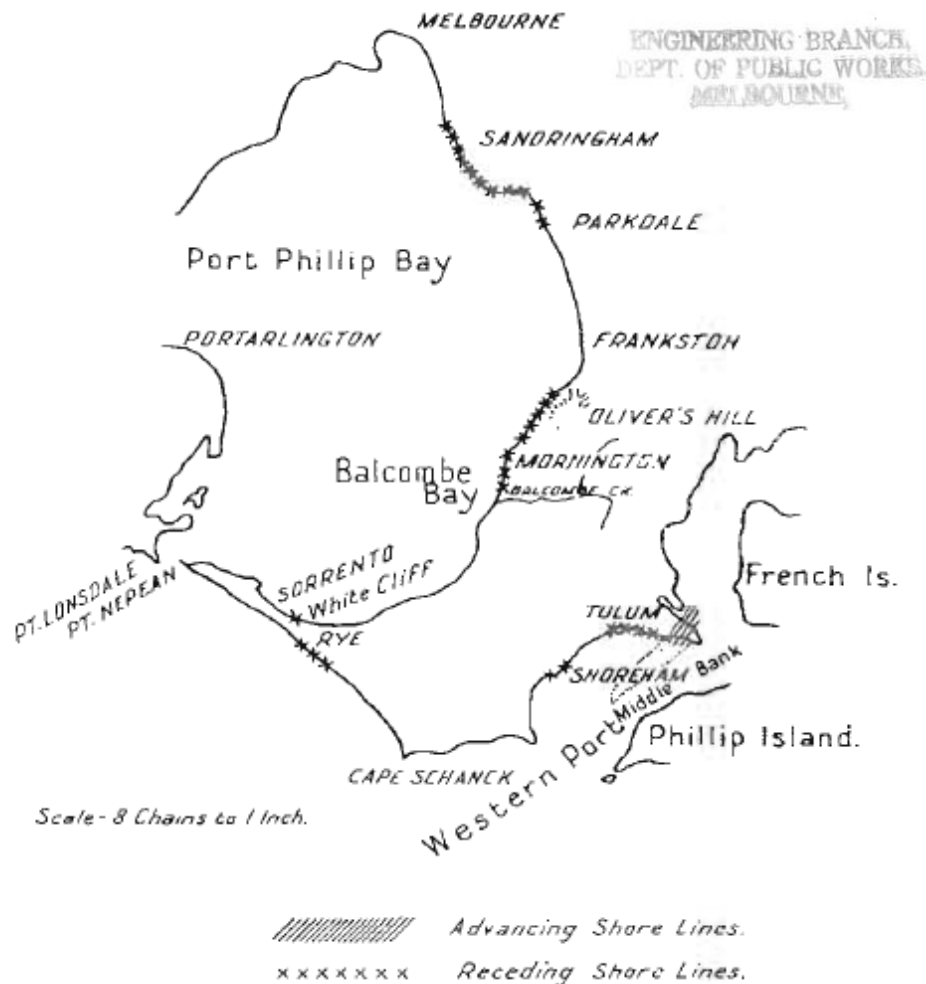
OF THE

FORESHORE EROSION BOARD

Planners & Engineers

VICTORIA

1936.



Citizen Scientists

Evidence has been submitted by local residents to show that, at the mouth of the river, the cliffs opposite the reserve have been cut back in places 50 feet in the last six years, and the reserve encroached upon accordingly. The general rate of encroachment has been 4 feet to 5 feet a year; 500 feet of foreshore is affected.

The following statement was submitted by a local land holder, who has observed the progress of the erosion for some years :—

MOUTH OF RIVER OPPOSITE RESERVE.

			1931.		1935.
Boxthorn end—Bight No. 1 ..	..	..	79 ft. 5 in. wide	..	63 feet wide.
Bight No. 2 ..	..	..	88 ft. „	..	69 feet „
Bight No. 3 ..	..	..	84 ft. 4 in. „	..	71 feet „

The above represents the distances from the top of the cliff to the reserve fence.

“Evidence submitted by local residents shows.... the cliffs opposite the reserve have been cut back in places 50 feet in the last 6 years, and the reserve encroached upon accordingly.”

**ENVIRONMENTAL STUDY OF
PORT PHILLIP BAY
REPORT ON PHASE ONE
1968-1971**

Ministry for
Planning and
Environment
Oldfleet Buildings
477 Collins Street,
Melbourne
Victoria 3000
PO Box 2240T
Melbourne 3001
Telephone (03) 628 5111



**MINISTRY FOR PLANNING
AND ENVIRONMENT**

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Sponsored by
**MELBOURNE AND METROPOLITAN BOARD OF WORKS
and
FISHERIES AND WILDLIFE DEPARTMENT OF VICTORIA**

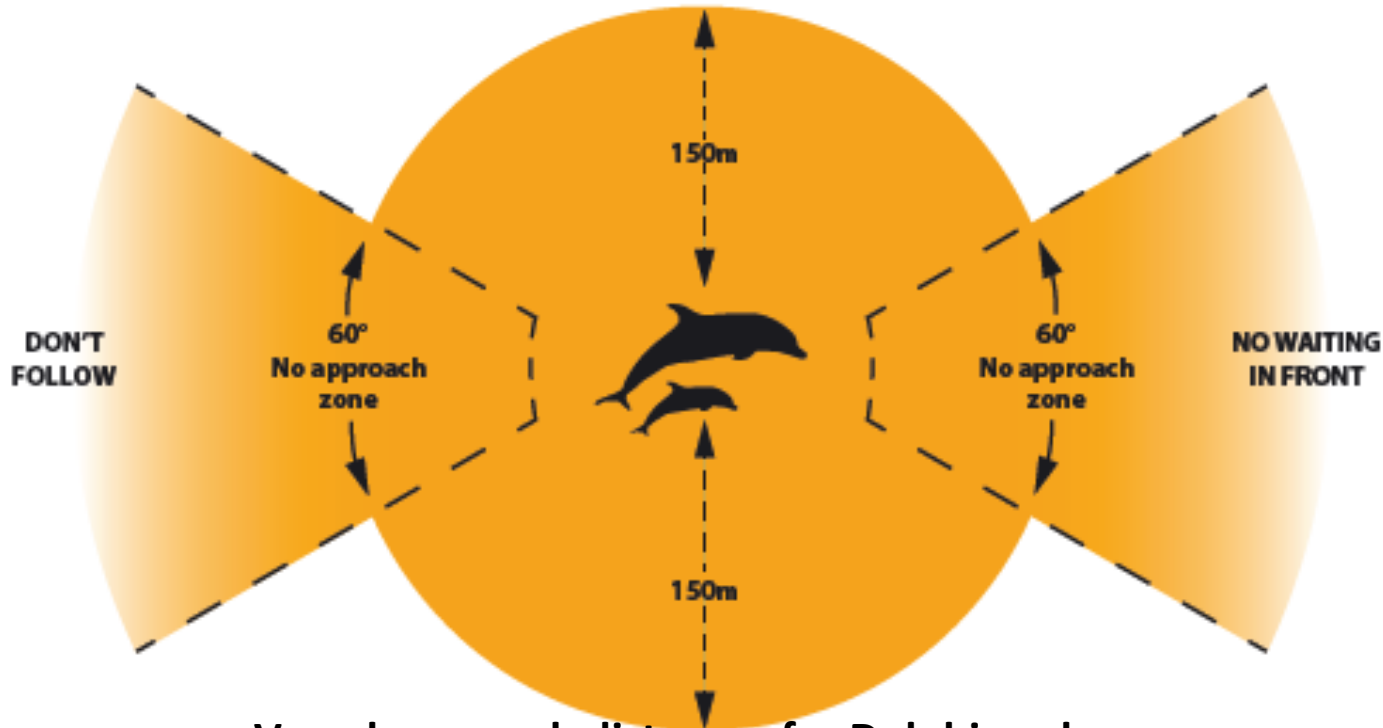
State Government agencies





Business sector

.... contributing to resource protection



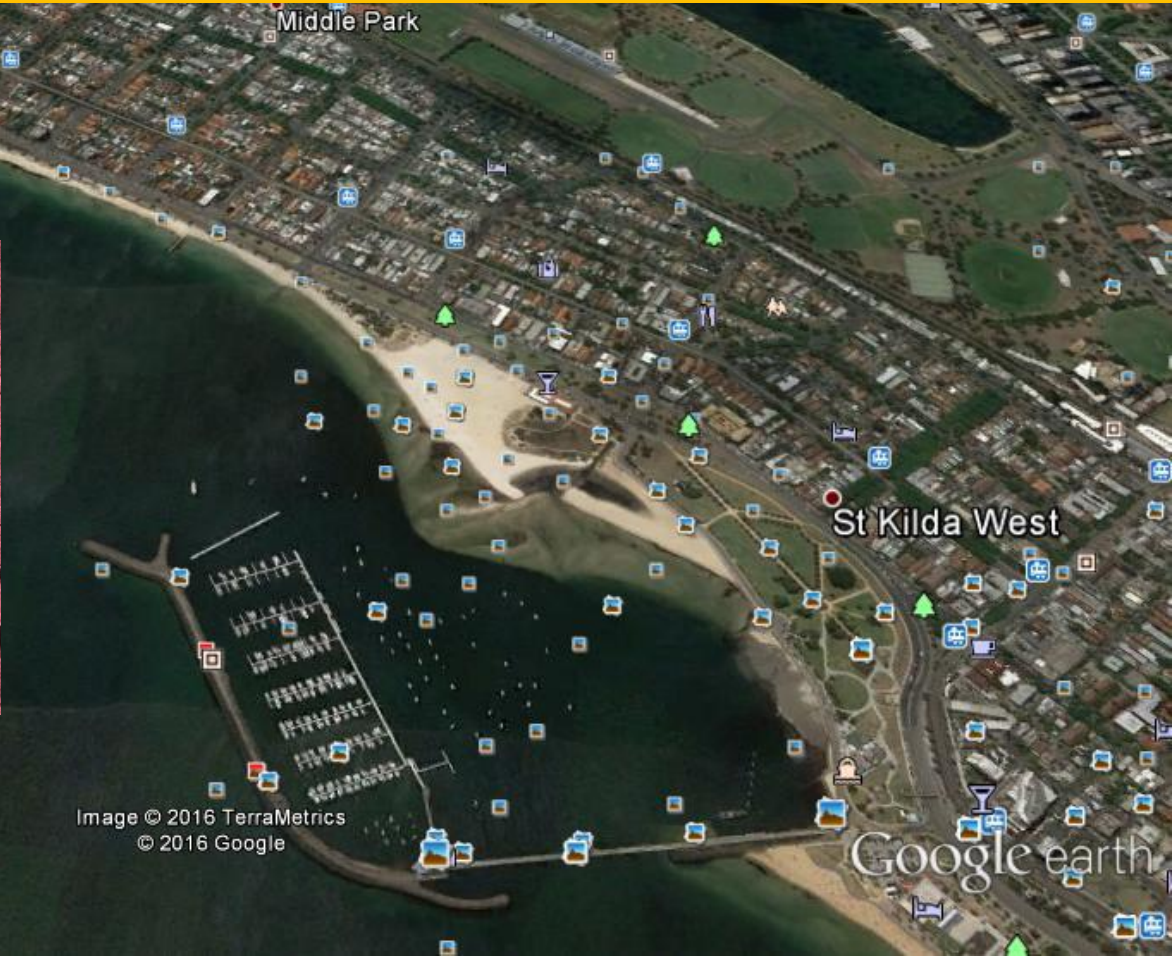
Vessel approach distances for Dolphin calves

Australian Government Department of the Environment & Energy
Australian National Guidelines for Whale Dolphin Watching 2017

University research gives birth to community action

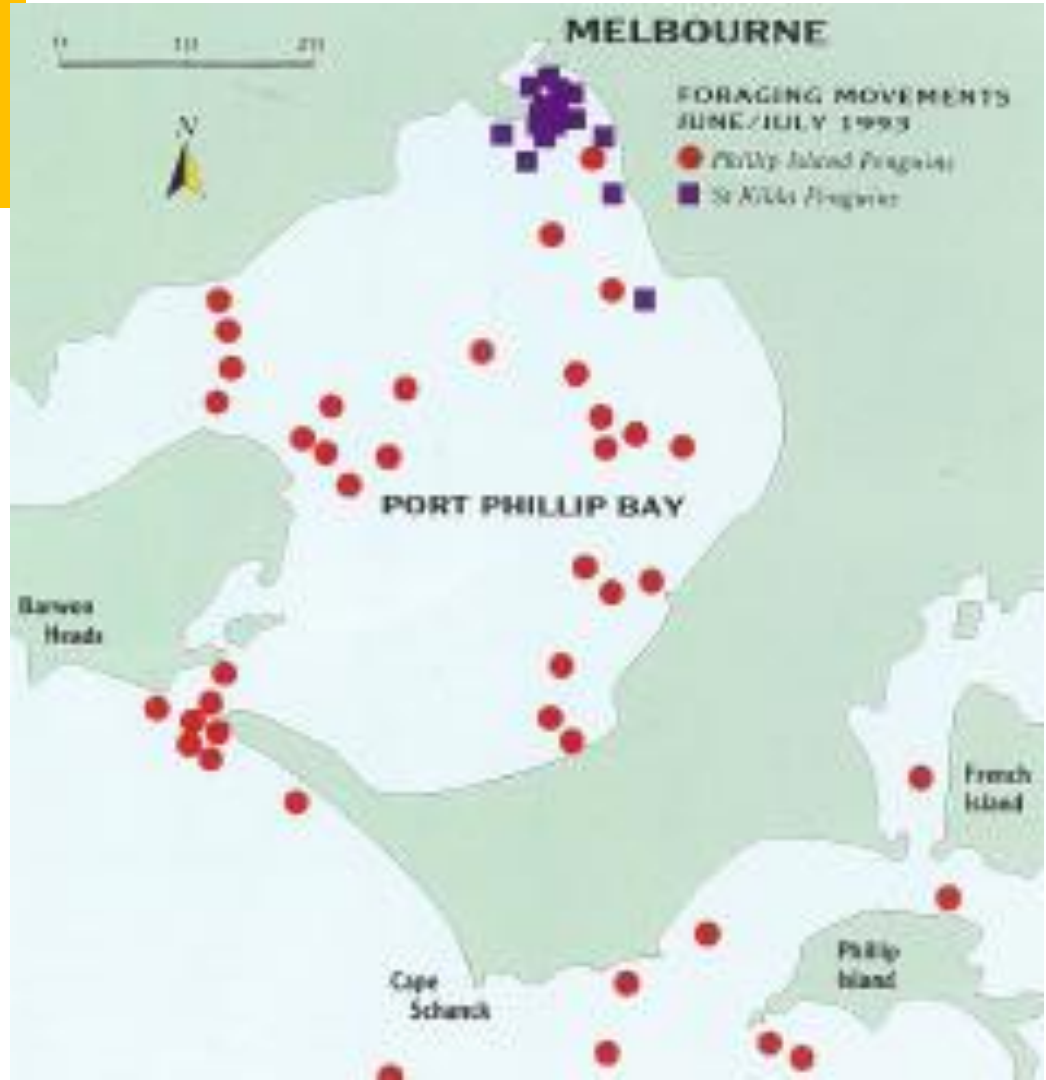


Image © 2016 TerraMetrics
© 2016 Google



1993 collaboration

Radio-tracking by Monash Uni PhD student, Phillip Island Penguin Reserve, Earthcare St Kilda and St Kilda Council found **Phillip Island penguins travel long distances to feed**; and **St Kilda penguins tend not to venture more than 20 km due to local food supply.**

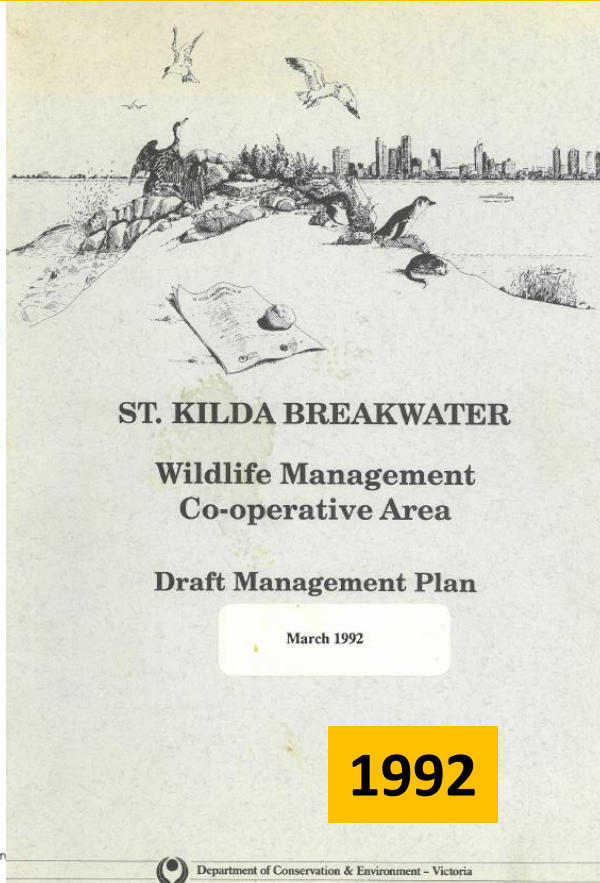


At State level...



A plan for the protection and development
of Port Phillip and Corio Bays
November 1990

1990



1992

**Declaration of WMCA
resulted in successful
collaboration between
state govt agencies,
Monash Uni,
Phillip Island Penguin
Reserve,
Earthcare St Kilda, and
local government**

At Federal level...



1992

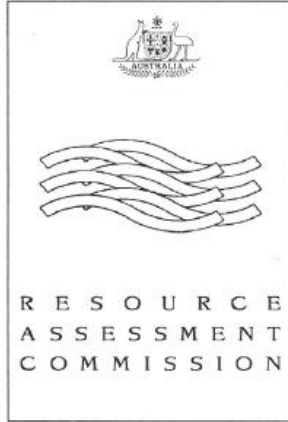
BALLAST WATER

Ships are bringing harmful organisms into Australian waters - what can be done ?

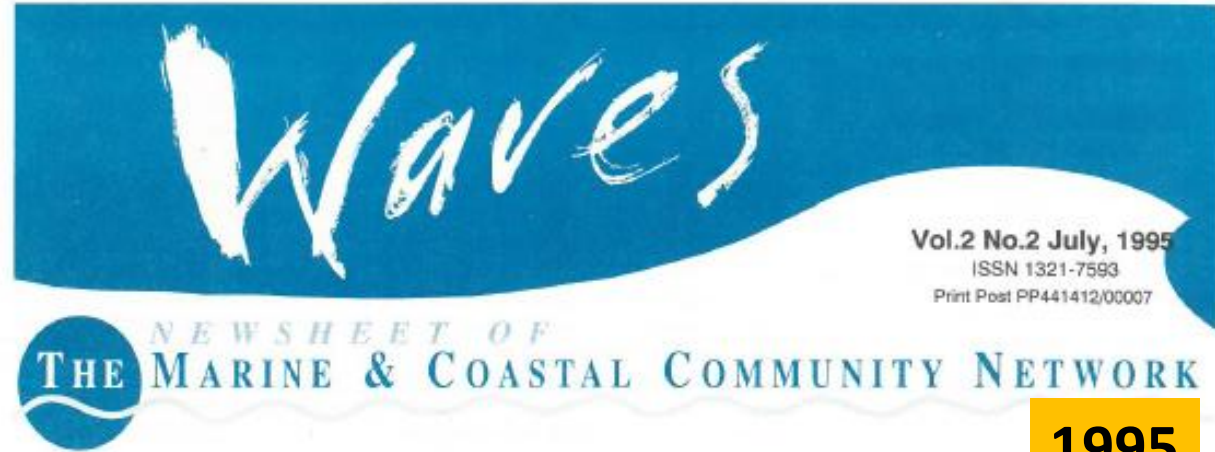
Acknowledging need for action on marine pests

AQIS
AUSTRALIAN QUARANTINE
AND INSPECTOR SERVICE

At Federal level...



1993



1993

1995

A NATIONAL COASTAL ACTION PLAN

THE DRAFT CONCLUSIONS AND RECOMMENDATIONS
OF THE COASTAL ZONE INQUIRY

AT LAST! A NATIONAL APPROACH TO THE COAST.

Diane Tarte, National Coordinator

Living on the Coast, the Commonwealth Government's Coastal Policy was released on May 28, by Federal Environment Minister, Senator John Faulkner along with the details of the \$53 million package of measures aimed at improving management of Australia's coastline over the next four years.

This policy and funding initiative is the Government's response to both the 1993 Final Report of the Resource Assessment Commission's Coastal Zone Inquiry and the 1991 Commonwealth Report, *The Injured Coastline*. Following is a precis of the policy's major objectives and the coastal management initiatives that will be funded.

Supporting community action/education

300+ ACTIVITIES



MOST
ACTIVITIES
ARE
FREE



Celebrate Victoria's coast at

summer by the sea

depi.vic.gov.au
parks.vic.gov.au

2 – 26 January 2014



Healthy Parks
Healthy People*

Department of
Environment and
Primary Industries



COAST LINE

THE COAST ACTION COMMUNITY PROGRAM NEWSLETTER

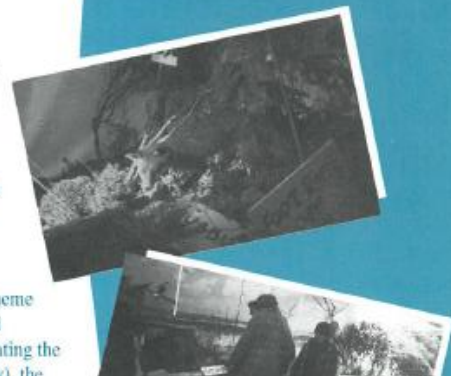
WINTER 1995

GREEN BELLS DRIVE SURFERS inSANE

What's this? Bandicoots, kestrels and cockatoos at Australia's premier surf event?

Nestled among the fluorescent wetsuits and reflective sunglasses at this year's Rip Curl/Quit Bells Beach Easter Carnival was a beautifully recreated heathland environment complete with wildflowers, honeyeaters and snakes (stuffed thankfully).

In the tent set up to 'Green Bells', co-ordinator of the project Graeme Stockton had brought together diverse groups working on coastal conservation, including the aptly named SANE (Surfers Appreciating the Natural Environment). Anzër (architects of the heathland display) the



DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES

1995 - 2019

Meanwhile...

**Maribyrnong River
2008**

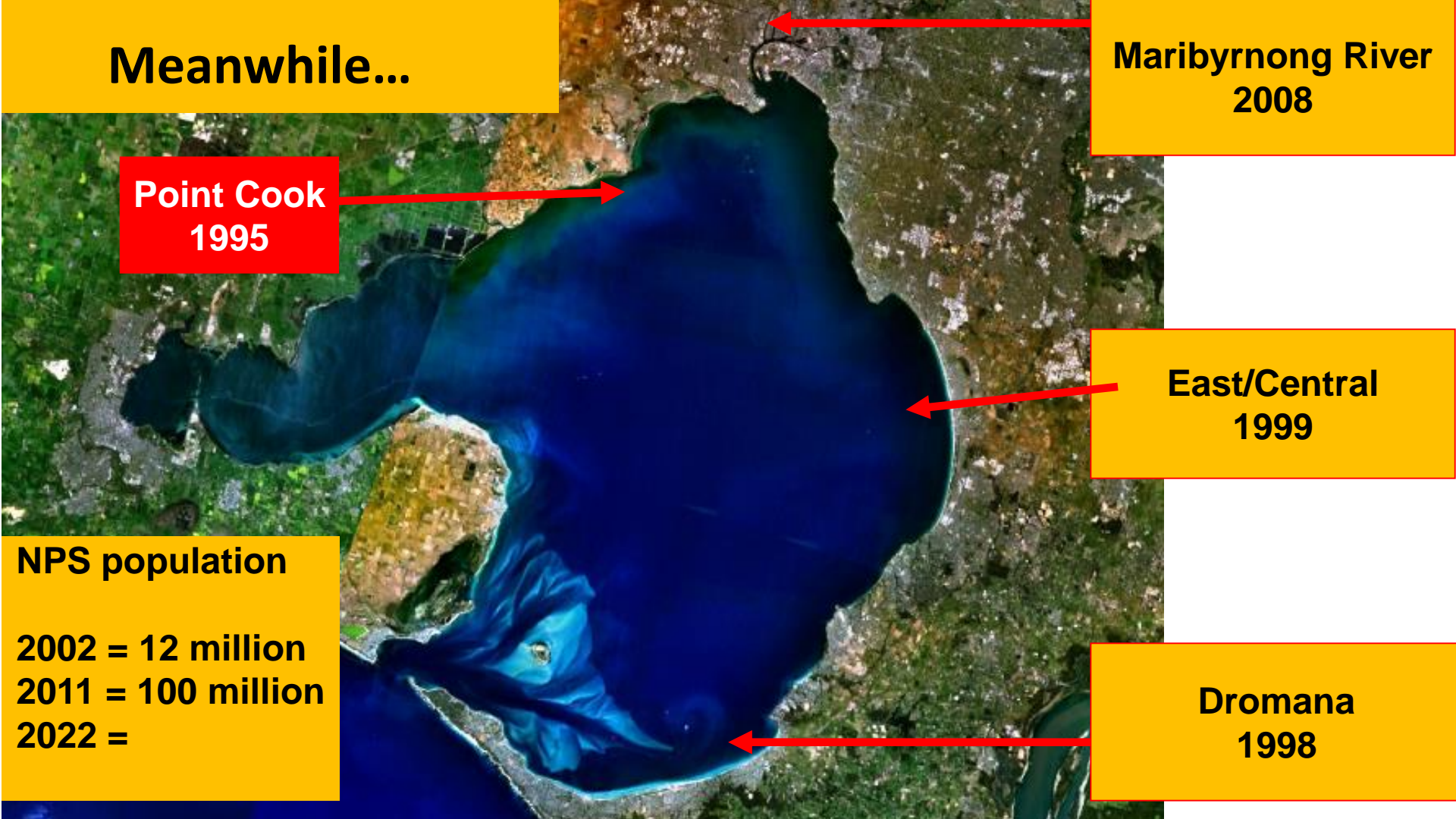
**Point Cook
1995**

**East/Central
1999**

NPS population

**2002 = 12 million
2011 = 100 million
2022 =**

**Dromana
1998**





NATIONAL CONTROL PLAN



Northern Pacific seastar
Asterias amurensis

2008 available controls

Method	Likely efficacy	Feasibility	Enviro / public concerns
1. Directly targeting <i>Asterias</i>	Potentially effective given adequate intensity diving effort. Likely to require ongoing removal	Feasible at shallow depths <12m at small-moderate spatial scales (1,000-10,000m ²) eg. Aquaculture leases, localised high density populations in wharf structures.	Minimal environmental concerns.

Examples of cost-effective partnerships

2013-14: Baycare Action & Awareness project; Yarra Plume project.
EPA Victoria 'Inspiring Environmental Solutions' (\$250,000) for education, advocacy and protection of marine environment in northern Port Phillip Bay.

Partners: Beach Patrol,
Boon Wurrung Foundation,
Earthcare St Kilda, EPA Victoria,
Jawbone Marine Sanctuary Care
Group, Port Phillip EcoCentre,
Ricketts Point Marine Care.

Michael Lutman Films 'Baykeepers'
won best short documentary at
California Film Festival 2014.



BIG THANKS:

Michael Lutman

Carolyn Briggs

Beach Patrol members

Ross & Ramona

Gio Fitzpatrick

Tim Silverwood

Kate Charlton-Robb

Ray Lewis

Silke Stuckenbrook

Tim Silverwood

Jennifer Lavers

Judy & Tony Muir

Adrian Howard

Sophie Douglas &

Zoos Vic Marine Response



Examples of cost-effective, multi-year partnerships

2014-17: 'Turn Off the Tap'
(\$210,000) Sustainability Vic. 'Litter Hotspots'

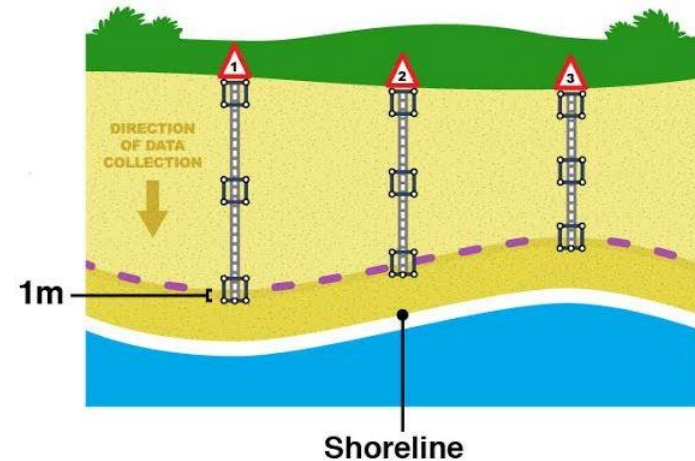
Australian first trawl study in major rivers for microplastics.

Design & trial of litter audit methods for beaches, schools and streets.



2017-20: Clean Bay Blueprint.
(\$289,076) DELWP Port Phillip Bay Fund.

Continued river trawls, beach audits, education, advocacy and protection of the Bay.



Examples of cost-effective partnerships

2016-17: 'Be the Re-Generation' project funded by Helen Macpherson Smith Trust **(\$185,100) engaging young people in citizen science for the Bay.**

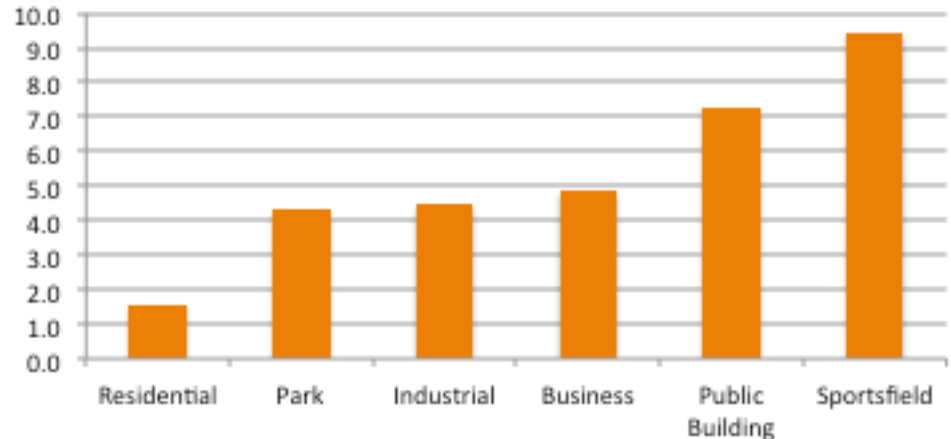


Extending the partnership reach

2018-20: Street2Bay Litter Audits (Scouts Victoria). Port Phillip Bay Fund (\$99,835) 30 Scout groups conduct 500 street litter audits from all PPB catchments



Number of Litter Items/10 sq M



Cross-sectoral partnerships

Where to from here?

