

ningaloo outlook



Ningaloo Outlook Symposium - 2016

Ningaloo Outlook – A partnership between BHP Billiton and CSIRO

WESTERN COASTAL/OCEAN & ATMOSPHERE
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Key Note Speech: Ningaloo Marine Park and Ningaloo Coast World Heritage Area

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Department of
Parks and Wildlife



DEPARTMENT OF PARKS AND WILDLIFE STRATEGIC DIRECTIONS 2014-17

OUR GOALS

The Department's goals in the following key areas are to work effectively with other agencies, our partners and the community to:



PARKS

Establish and effectively manage the State's national parks, marine parks, State forest and other reserves, to conserve wildlife and for people's enjoyment.



WILDLIFE

Conserve and manage the State's native plants and animals and achieve habitat, ecosystem and landscape-scale conservation and protection based on best-practice science.



FIRE

Manage lands under our care to protect communities, visitors and built and natural assets from bushfire damage, and also use planned fire to achieve other land, forest and wildlife management objectives.



MANAGED USE

Manage the State's plants and animals and the lands and waters under our care for tourism, water and wood production, and other approved uses.



PEOPLE

Inspire, engage, collaborate and work with people individually, in communities and in organisations.

Parks for People initiative



Ningaloo Marine Park

- Almost 300km of coastline
- One of largest fringing reefs in the world
- High diversity of habitats:
 - coral reefs, lagoon, mangroves, algal meadows, seagrasses, open ocean, continental shelf and slope
 - 3 turtle species nesting
 - 300 species of coral
 - 700 species of fish
 - 650 species of molluscs
 - 600 species of crustaceans
 - 1000 species of algae
 - Manta rays
 - Humpback whales, Orcas
 - Dolphins, Dugongs
 - Whale shark aggregations
- Marine Park since 1987
- Boundaries amended in 2004
- 34 % protected in Sanctuary Zones
- Parks & Wildlife primary manager
- World Heritage status in 2011

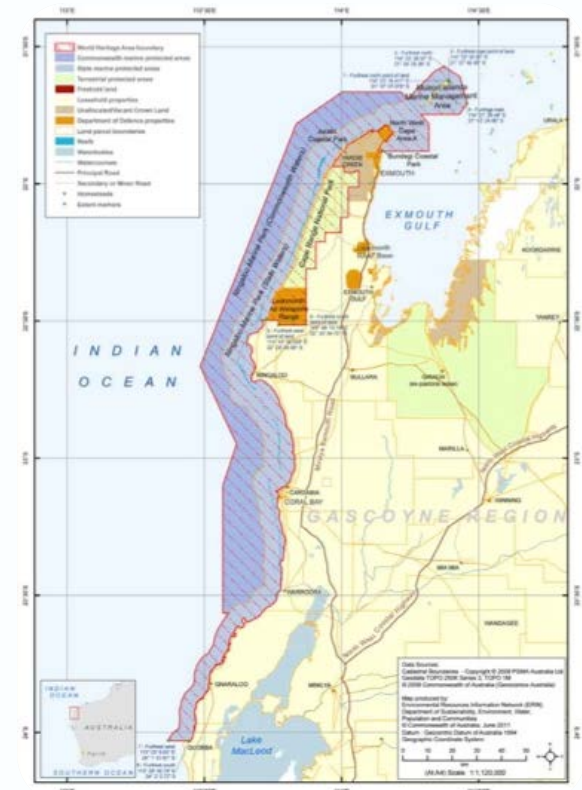


Ningaloo Coast World Heritage area

- *Ningaloo Coast is a very special “natural place”...*
- Inscription June 24, 2011
- Covers 6045km² and stretches more than 300km along the coast
- Encompasses:
 - Ningaloo Marine Park
 - Muiron Islands Marine Management Area,
 - Cape Range National Park,
 - Jurabi - Bundegi Coastal Park
 - Defence land

World Heritage listing:

- Obligation to ensure the World Heritage values of the area are conserved
- *Existing national, state and local laws, regulations and plans for the Ningaloo Coast will remain in place and continue to guide management and decision making in the area*
- Collaborative *management* managed by various Federal, State and local government bodies in collaboration with scientists, local businesses, traditional owners and the community.
- Research and monitoring programs, visitor services
- NCWHA committee



World Heritage Natural Criteria

- (vii) contain superlative natural phenomena or areas of exceptional natural beauty and aesthetic importance;
- (x) contain the most important and significant natural habitats for in-situ conservation of biological diversity, including those containing threatened species.



Key Values
Mega Marine Life



Key Values
Ningaloo Reef

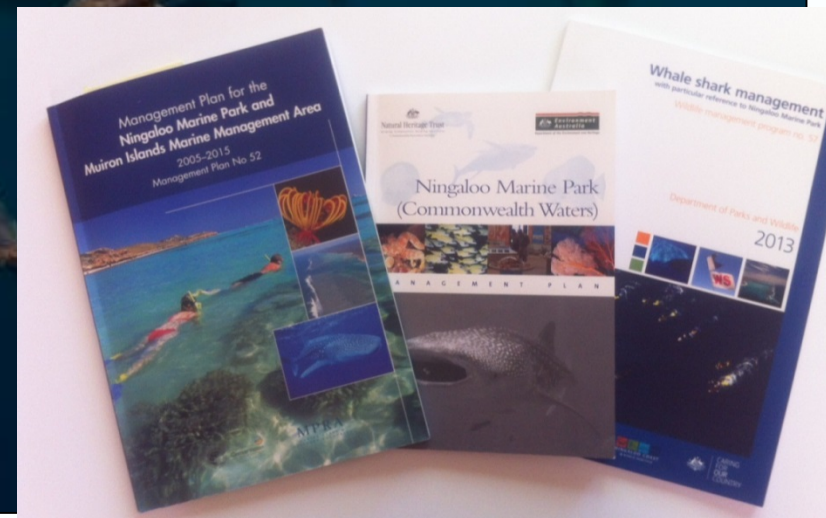


Key Values
Nesting Marine Turtles

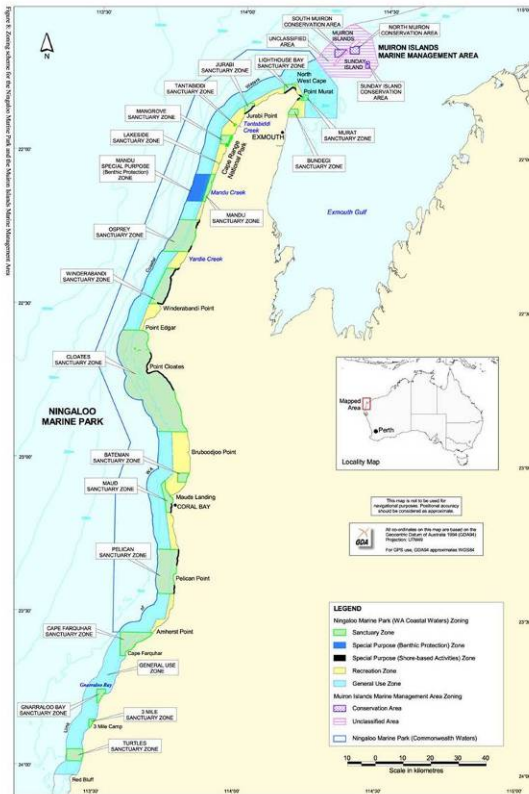


Management of Ningaloo Marine Park

- Management Plan
 - Identifies ecological and social values, including Key Performance Indicators (KPIs)
 - Objectives, strategies, performance measures
 - Generic management strategies
 - Administrative framework – Zoning
 - Compliance
 - **Research**
 - **Monitoring**
 - **Education & Interpretation**
 - **Public participation**
 - **Management intervention**



Ningaloo Research Program- 2006 – 2011

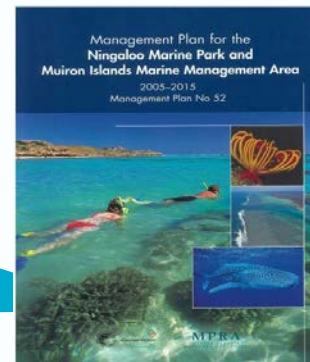


Improve the scientific underpinning for the conservation and management of Ningaloo Marine Park

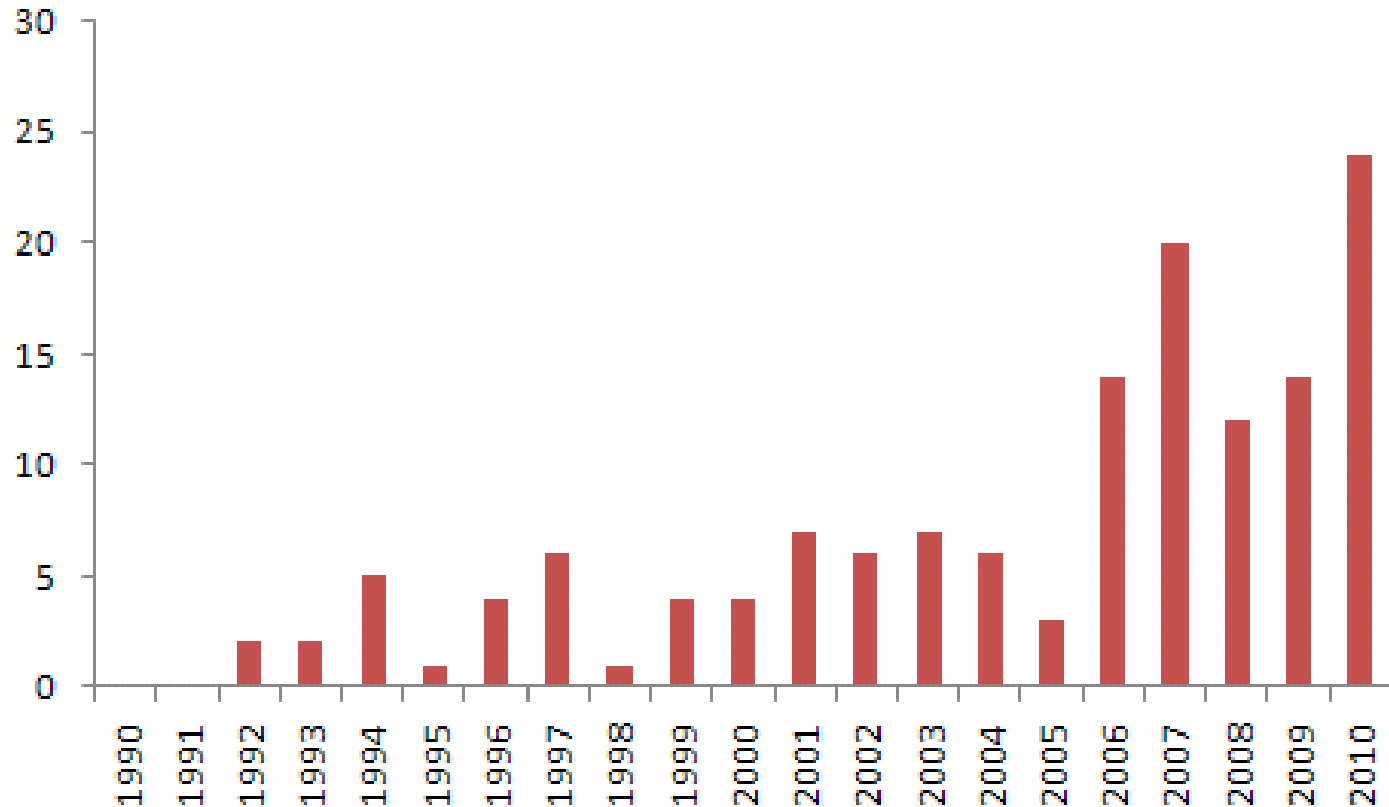
Premier commits \$5 million for research at NMP in 2004

WAMSI Node 3, CSIRO *Wealth from Oceans* National Research Flagship, AIMS

\$30M+ over five years on management related research



Knowledge base for management

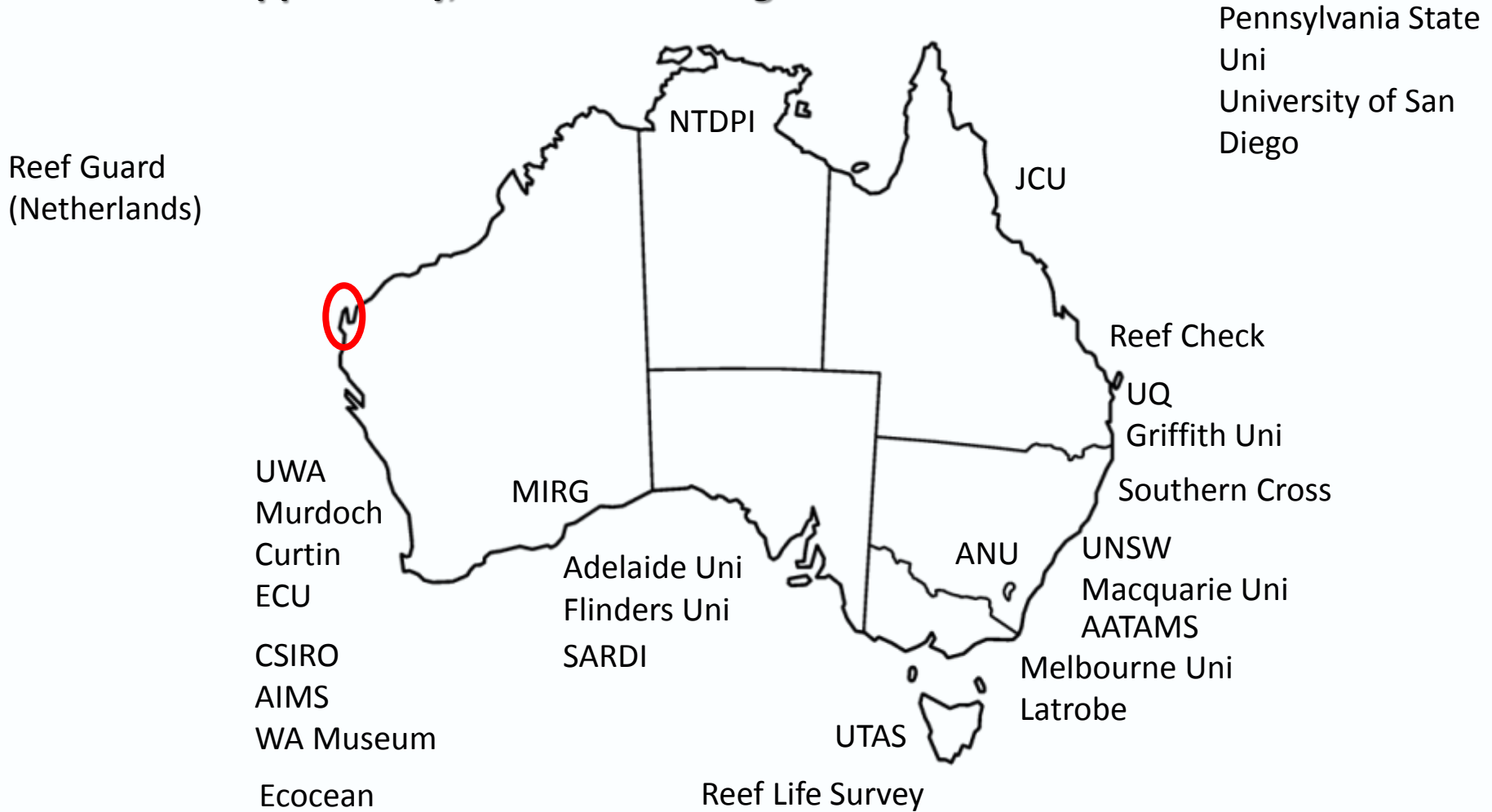


Scientific papers on Ningaloo Marine Park

Ningaloo Marine Park remains a hot spot for research

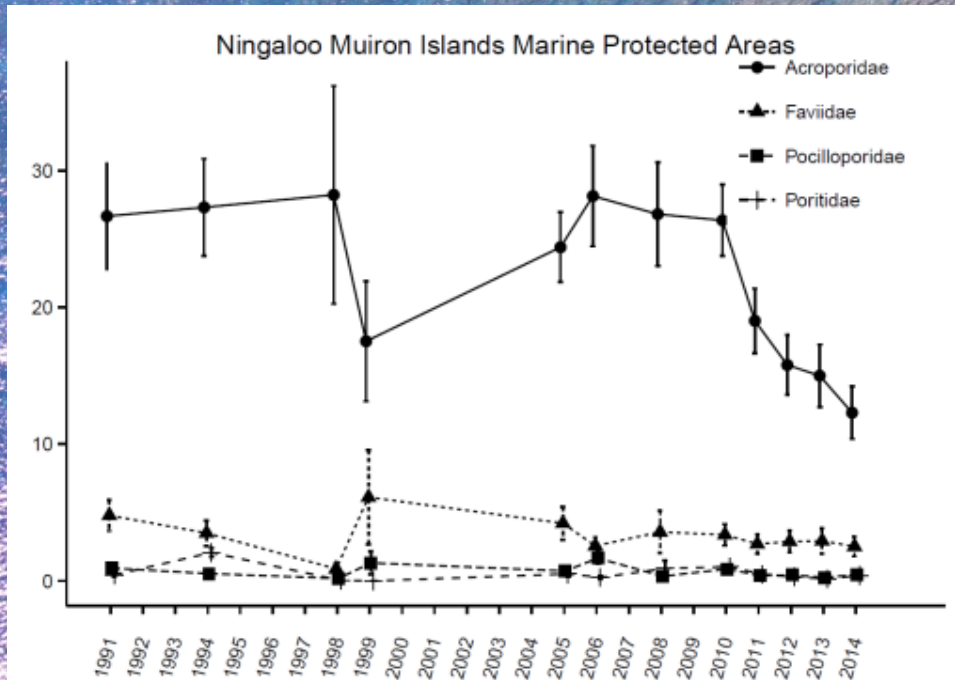
16 of Australia's 40 Universities

Fantastic opportunity, but also challenge



Western Australian Marine Monitoring Program

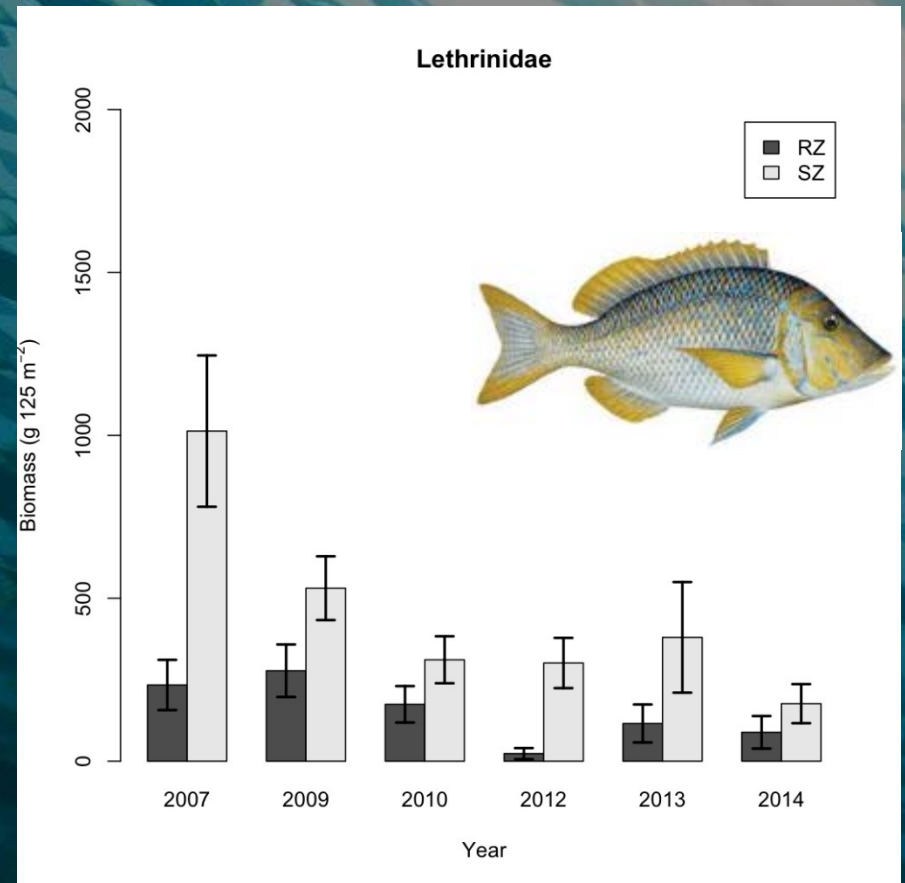
18 Ecological values, 12 Social Values
Need to prioritise
Corals (KPI)
Monitoring since late 90s



Western Australian Marine Monitoring Program

Work with other organisations

Finfish (KPI)



Mandu Sanctuary Zone: Source – CSIRO

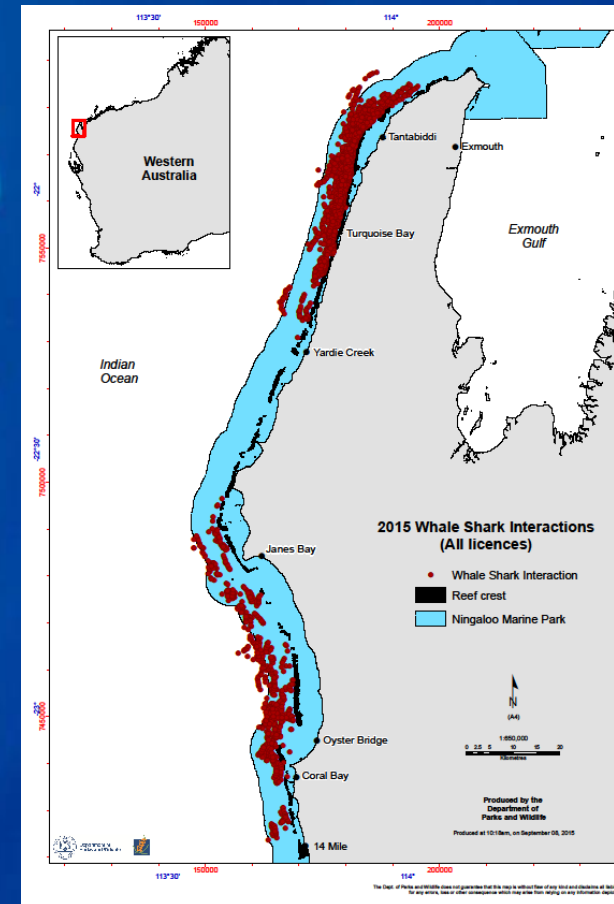
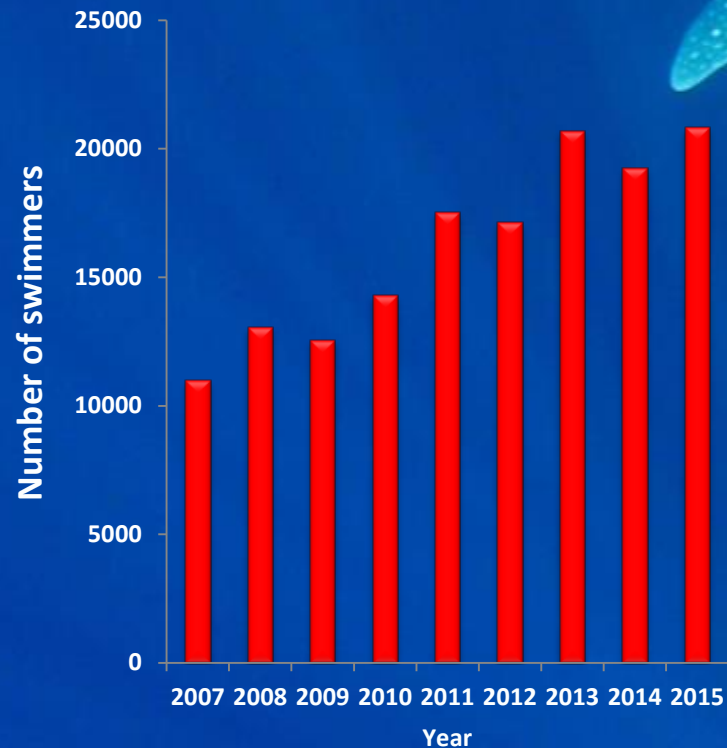
Support research

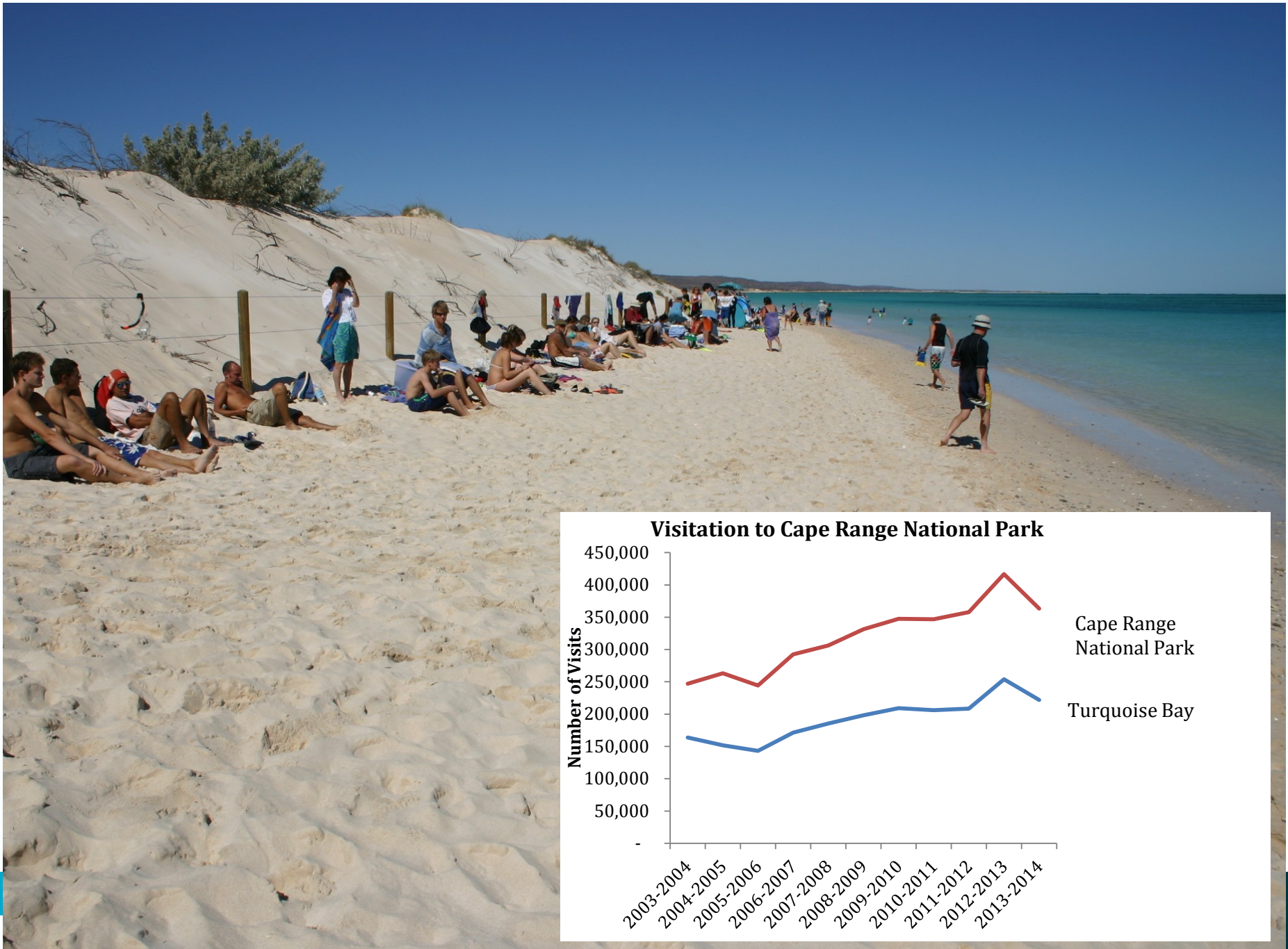
- Over 13,000 photos provided to researchers since 2011
- On-water support for research and education



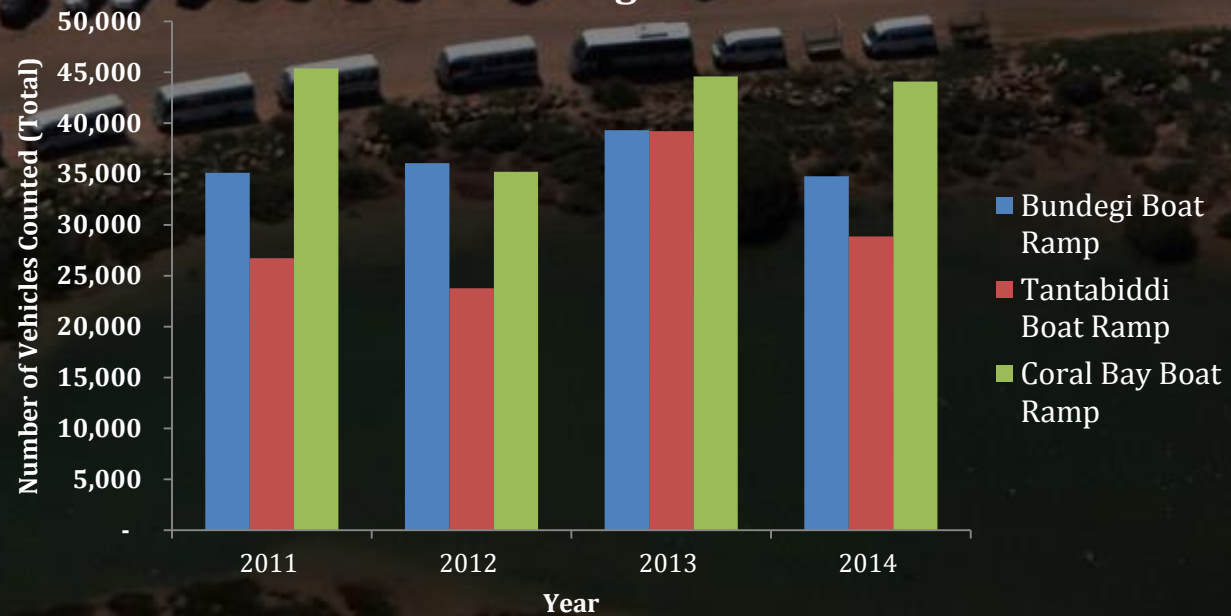
Monitoring human use

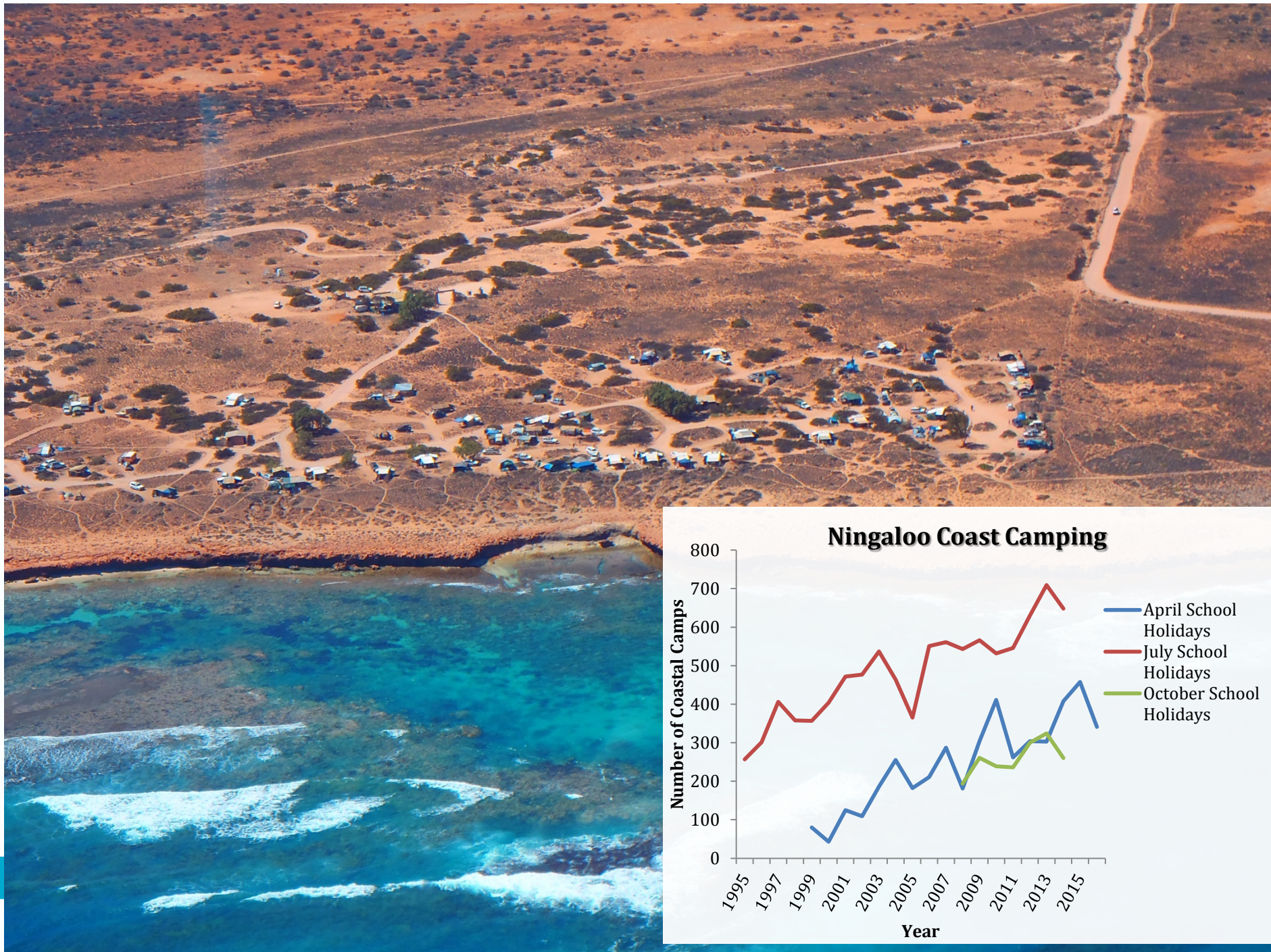
Nature based tourism





Boat Launches in Ningaloo Marine Park









**Coral Bay
around 2000
beds**

Need for management based on best practice science



Thanks

