



Australian Government  
Great Barrier Reef  
Marine Park Authority



Queensland  
Government



# Resilience, risk and return on investment – innovations from the Great Barrier Reef field management program

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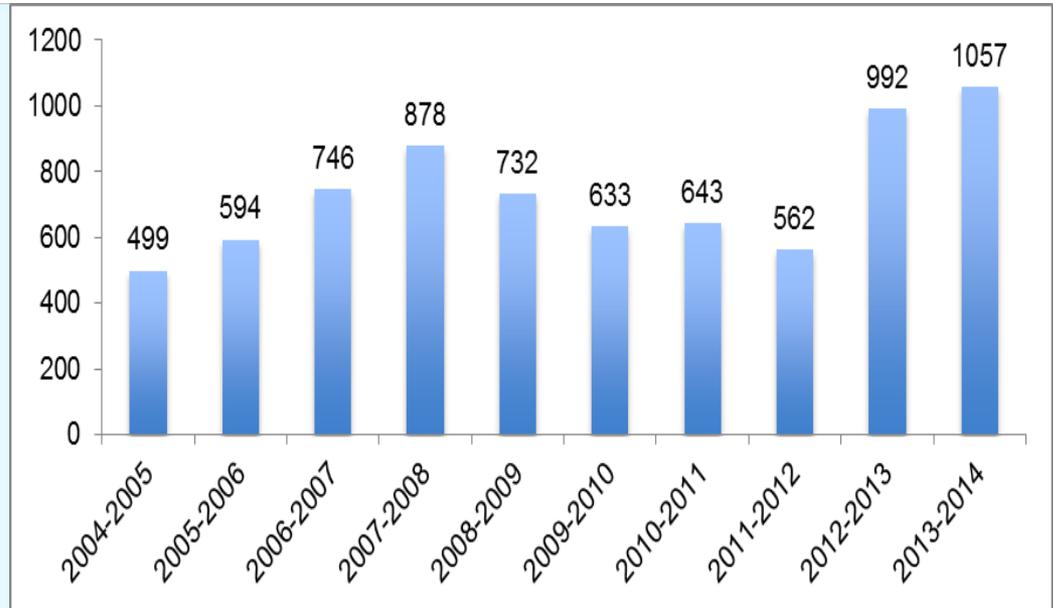
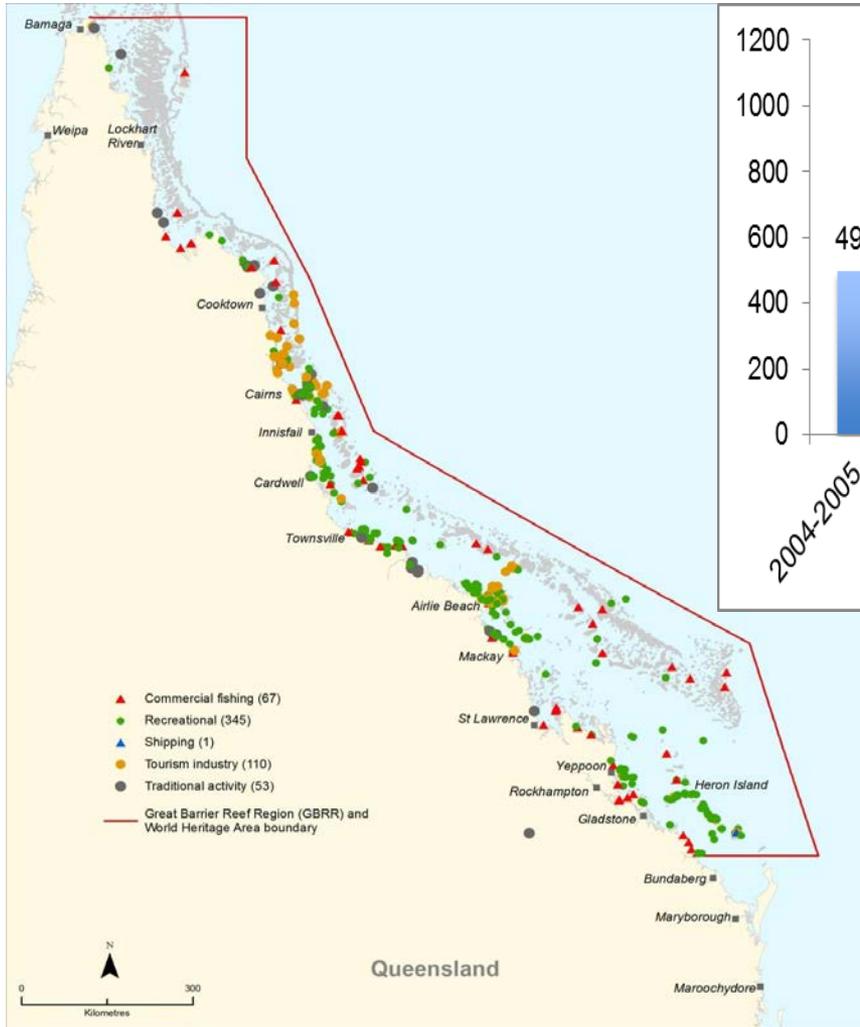
**Presented by**

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Richard Quincey, Director, Field Management, Great Barrier Reef Marine Park Authority

# Planning of surveillance



# Offences 2013-14





# Risk Assessments

Sector		Category	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
2.1.1	Cape York Lockhart River Inshore	Reef Line Fishery												
		Beche de Mer												
		Crayfish/Lobster												
		Trawl												
		Net												
2.1.2	Lockhart River Cooktown Inshore	Reef Line Fishery												
		Beche de Mer												
		Crayfish/Lobster												
		Trawl												
		Net												
2.1.3	Cooktown Pt Douglas	Reef Line Fishery												
		Trawl												
2.1.4	F/Mth O'Shore													
2.2.1	Pt Douglas Mission Beach	Reef Line Fishery												
		Trawl												
2.2.2	Miss Bch Tvl Coastal													
2.2.3	Mission Beach Townsville Coastal	Reef Line Fishery												
		Beche de Mer												
		Trawl												
2.2.4	Miss Bch Tvl Oshore													
2.3.1	Tvl Bowen Coastal													
2.3.2	Townsville Bowen Inshore	Reef Line Fishery												
		Beche de Mer												
		Trawl												
2.3.3	Whitsundays													
2.3.4	Bowen Mackay Inshore	Reef Line Fishery												
		Trawl												
2.3.5	Tvl Mck O'Shore													
2.4.1	Northumberland Islands	Trawl												
		Net												
2.4.2	Swains	Reef Line Fishery												
		Trawl												
2.4.3	Capricorn Bunker	Reef Line Fishery												
		Trawl												
2.4.4	Capricorn Channel													
2.5.1	Hervey Bay													
2.5.2	Fraser Island													

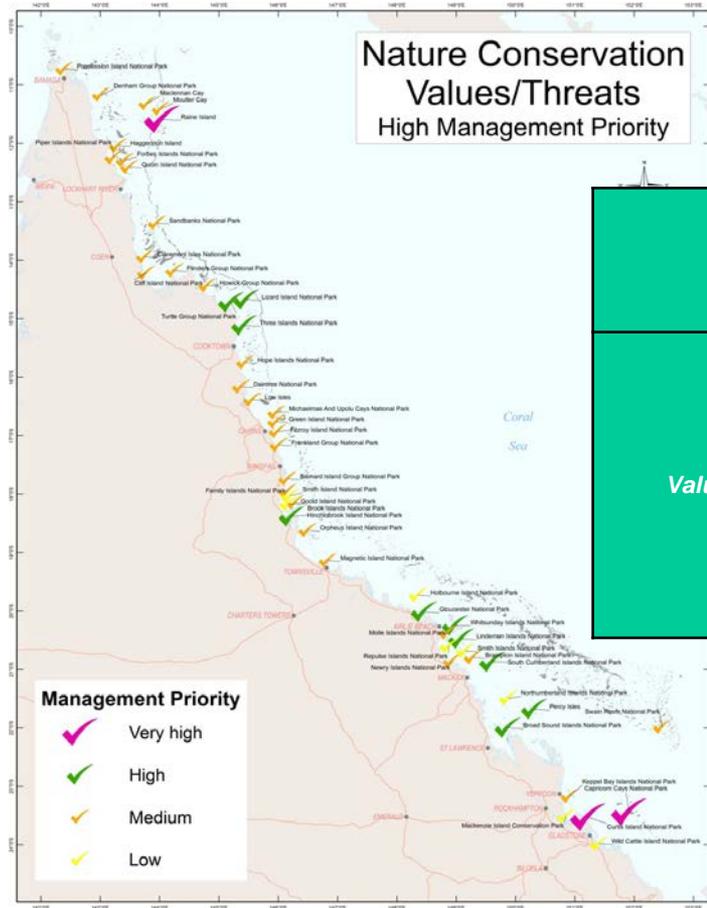
<b>Legend:</b>	<b>Risk</b>		<b>High Risk</b>	<b>Highest Risk</b>
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# Compliance partnerships

- GBR Marine Park Authority
- Border Protection Command
- Queensland Parks & Wildlife Service
- Queensland Boating & Fisheries Patrol
- Queensland Water Police
- Australian Maritime Safety Authority
- Australian Federal Police
- Director of Public Prosecutions



# Island conservation priorities



Management Priority Risk Matrix		Threat			
		Very High	High	Medium	Low
Values	Outstanding	Very High	Very High	High	Medium
	Very Significant	Very High	Very High	High	Medium
	High	High	High	Medium	Low
	Moderate	High	Medium	Low	Low

# *Pisonia* scale outbreak Capricornia Cays



***Pisonia* trees defoliating**



**Tryon Island six years after outbreak**

# *Pisonia* forest saved

Assessed extent of scale and ant outbreak



Baited ants



Released native ladybird predator

# Tryon Island forest recovery



2006

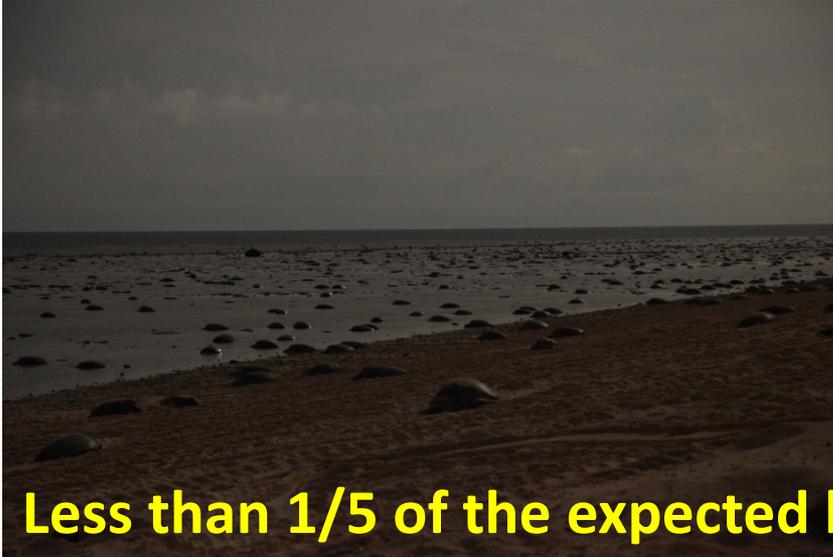


2014

# Raine Island



**Lots of adults –  
but what about the next turtle generations?**

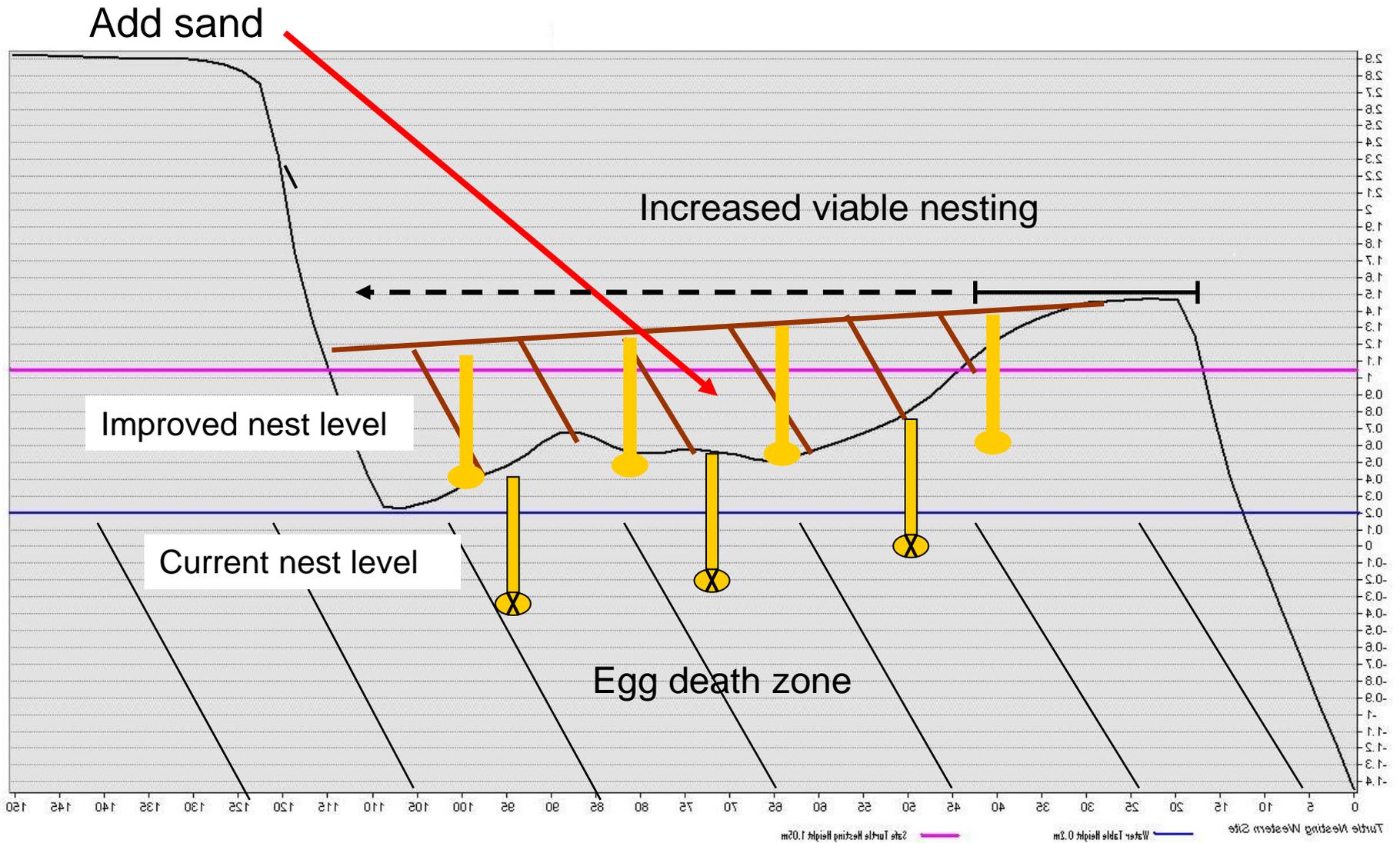


**Less than 1/5 of the expected breeding success**

# Solutions being trialled



# Improving the nesting area



# Beach reprofiling trial



# Raine Island in 2100?





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[www.gbrmpa.gov.au](http://www.gbrmpa.gov.au)



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