

**BLAKE**

**NZ-VR**

**James Gibson**

Chief Executive, BLAKE

# Sir Peter Blake



# Our Programmes



**BLAKE**  
NZ-VR



**BLAKE**  
Explorers



**BLAKE**  
Inspire



**BLAKE**  
Expeditions



**BLAKE**  
Ambassadors

# NZVR: two major objectives:

1. Overcome 'ocean blindness'
2. Marine based experiential learning at scale





# NZVR school roadshow

- Auckland / Wellington / Christchurch + regional trips
- Two BLAKE educators per class
- Ages 10-13
- Four classes per day = 120 students
- 40,000 students per year
- Choice of topics:
  1. Threats to the ocean
  2. Marine mammals
  3. Climate change (from 2024)





**EXPERIENCE**

*The difference between healthy and unhealthy oceans*

**UNDERSTAND**

*What causes ocean damage*

**ACT**

*What can we do to prevent this*

A large school of fish swimming underwater, with the text "EXAMPLE THEME: OVERFISHING" overlaid in the center. The fish are densely packed and appear to be of a similar species, possibly a type of mackerel or sardine. The water is a deep blue-green color, and sunlight is visible filtering down from the top left corner, creating a shimmering effect on the water's surface and illuminating the fish. The overall scene conveys a sense of a massive, thriving population of fish, which contrasts with the text "OVERFISHING" to suggest a potential environmental issue.

**EXAMPLE THEME: OVERFISHING**

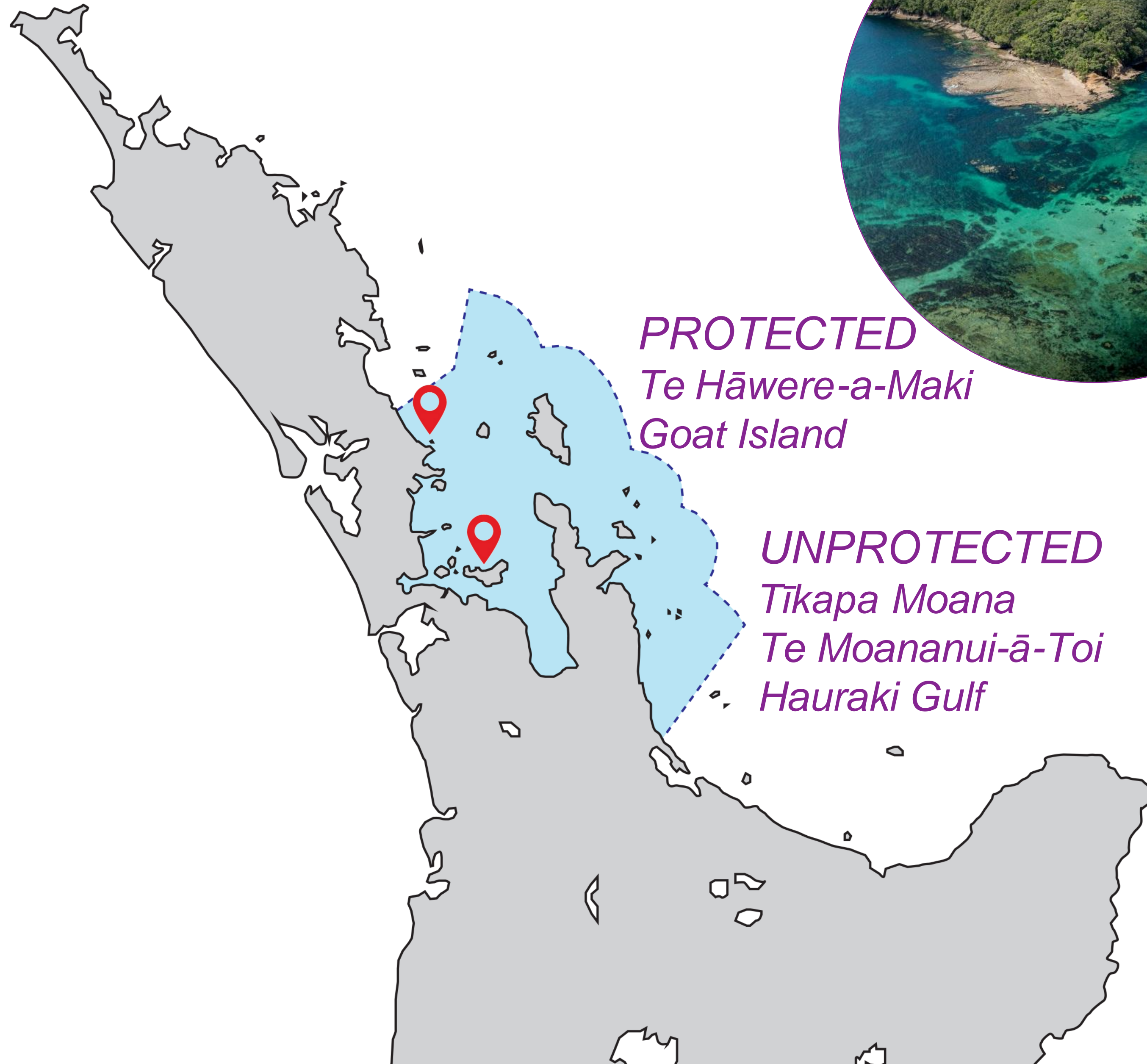
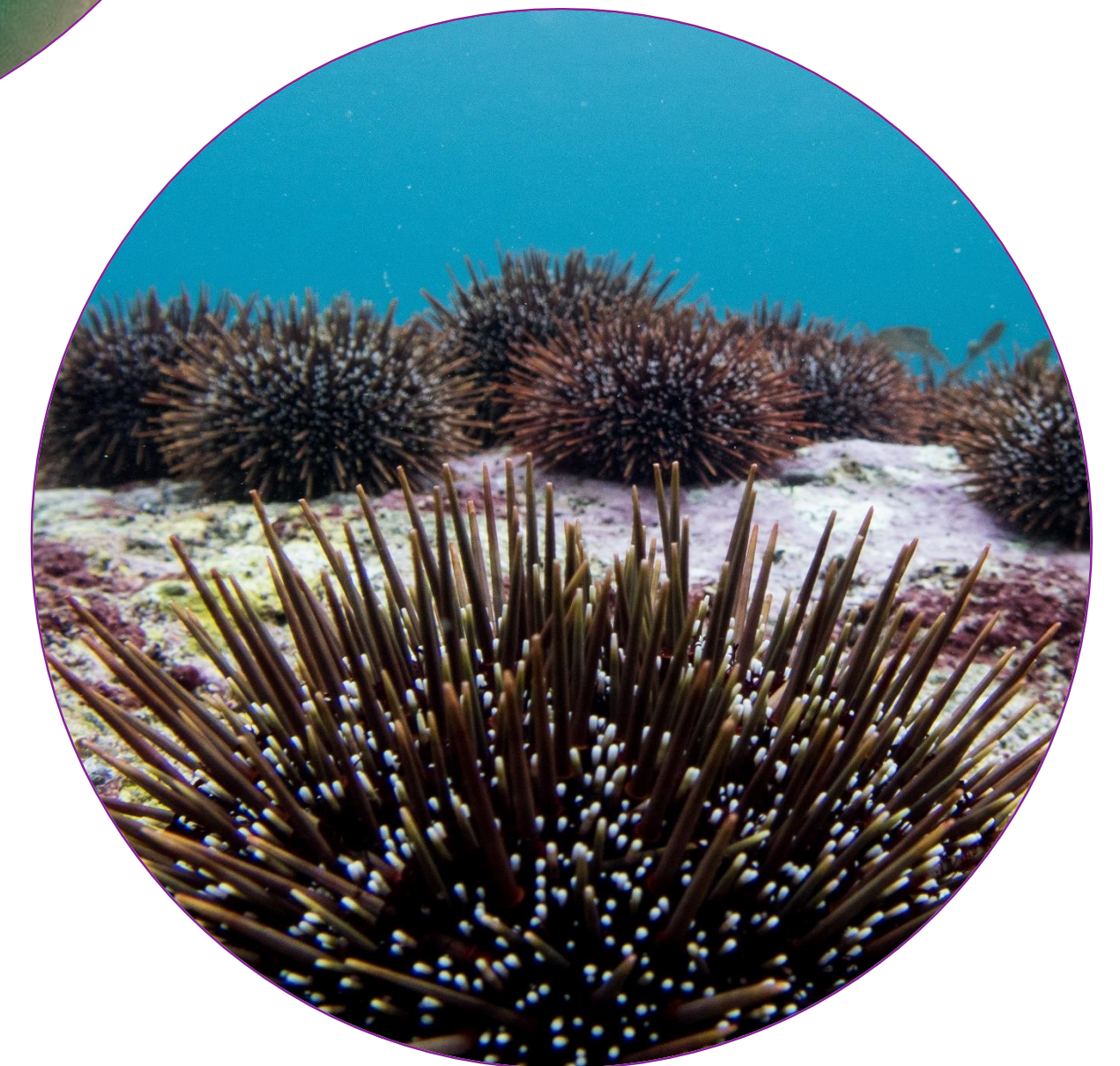


# NEW ZEALAND'S 1ST MARINE RESERVE



*PROTECTED*  
*Te Hāwere-a-Maki*  
*Goat Island*

*UNPROTECTED*  
*Tikapa Moana*  
*Te Moananui-ā-Toi*  
*Hauraki Gulf*



PROTECTED AREA



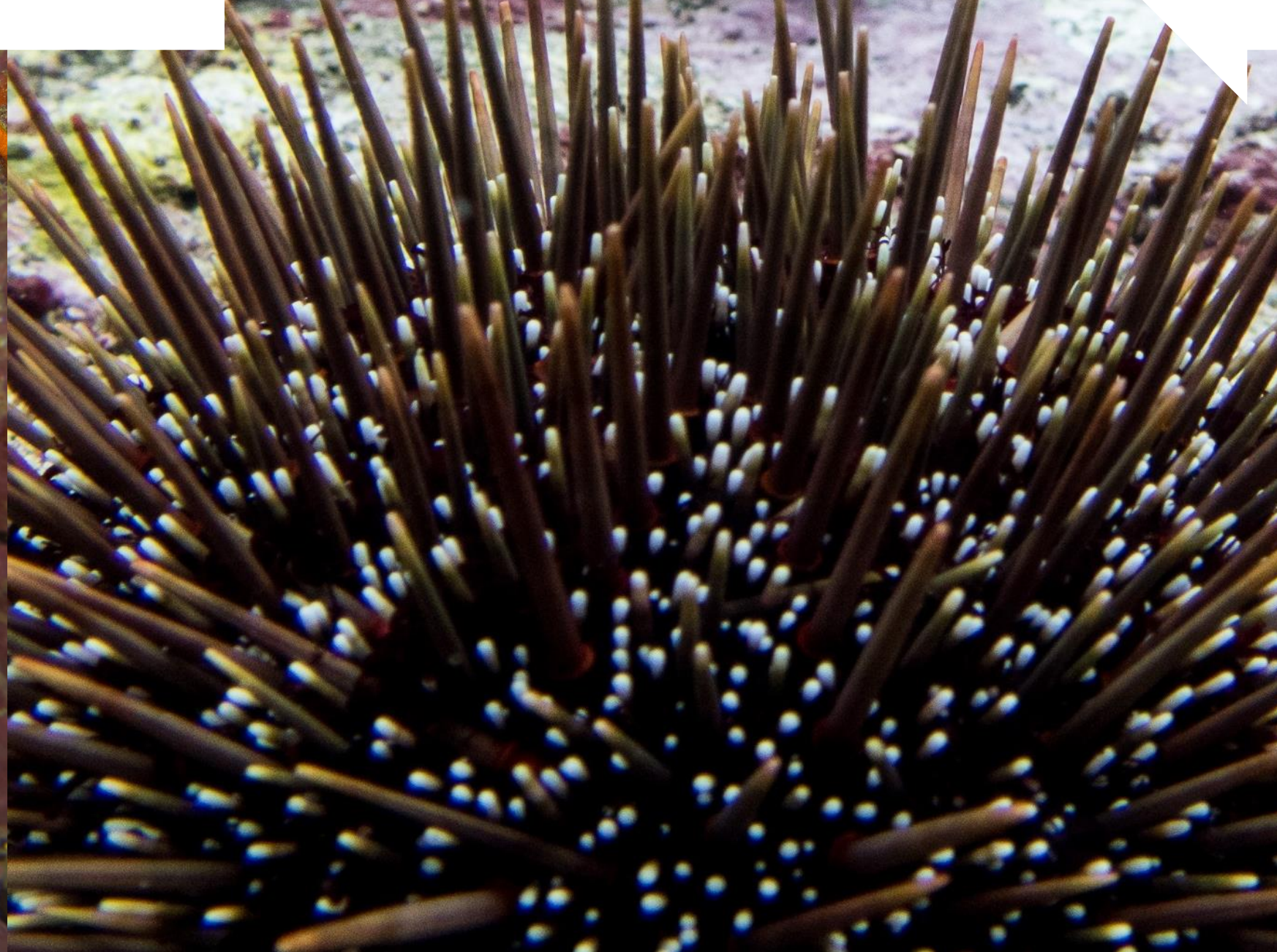
*TĀMURE*  
SNAPPER

UNPROTECTED AREA



*KINA*  
SEA URCHIN

# OVERFISHING



An underwater photograph showing a dark, murky green environment. In the lower center, a black tire is visible on the seabed, partially covered in algae or sediment. The background is a deep, dark green, suggesting a deep underwater setting. The overall scene conveys a sense of environmental pollution.

**EXAMPLE THEME: POLLUTION**



STINGRAYS  
POOR KNIGHTS



WHARF  
HAURAKI GULF

# *Kaitiakitanga*

## *GUARDIANSHIP*

How can you be a guardian for our ocean?

HELP STOP  
OVER-FISHING?

HELP STOP  
POLLUTION?

# HOW WE CAN STOP POLLUTION

Reduce your  
waste

Reduce  
Reuse  
Recycle  
Refuse

Quit single-  
use plastic

Careful what  
goes down the  
drain and  
waterways

Help clean up  
your  
community

Walk, bike or  
scooter to  
school

Again...  
**Spread the  
word!**

Planting  
along  
streams and  
rivers

# Teaching resources

- **Science & Social Studies**
- All ages
- NZ Curriculum linked
- PowerPoints & worksheets



## In previous lessons we learnt:

- What causes pollution in the oceans and waterways around NZ
- Different cultural and scientific perspectives on dealing with this pollution



## In this lesson you will learn:

- Actions you can take personally to help prevent pollution of our ocean and waterways

[blakenz.org/programmes/blake-nz-vr/nz-vr-teacher-resources/](https://blakenz.org/programmes/blake-nz-vr/nz-vr-teacher-resources/)

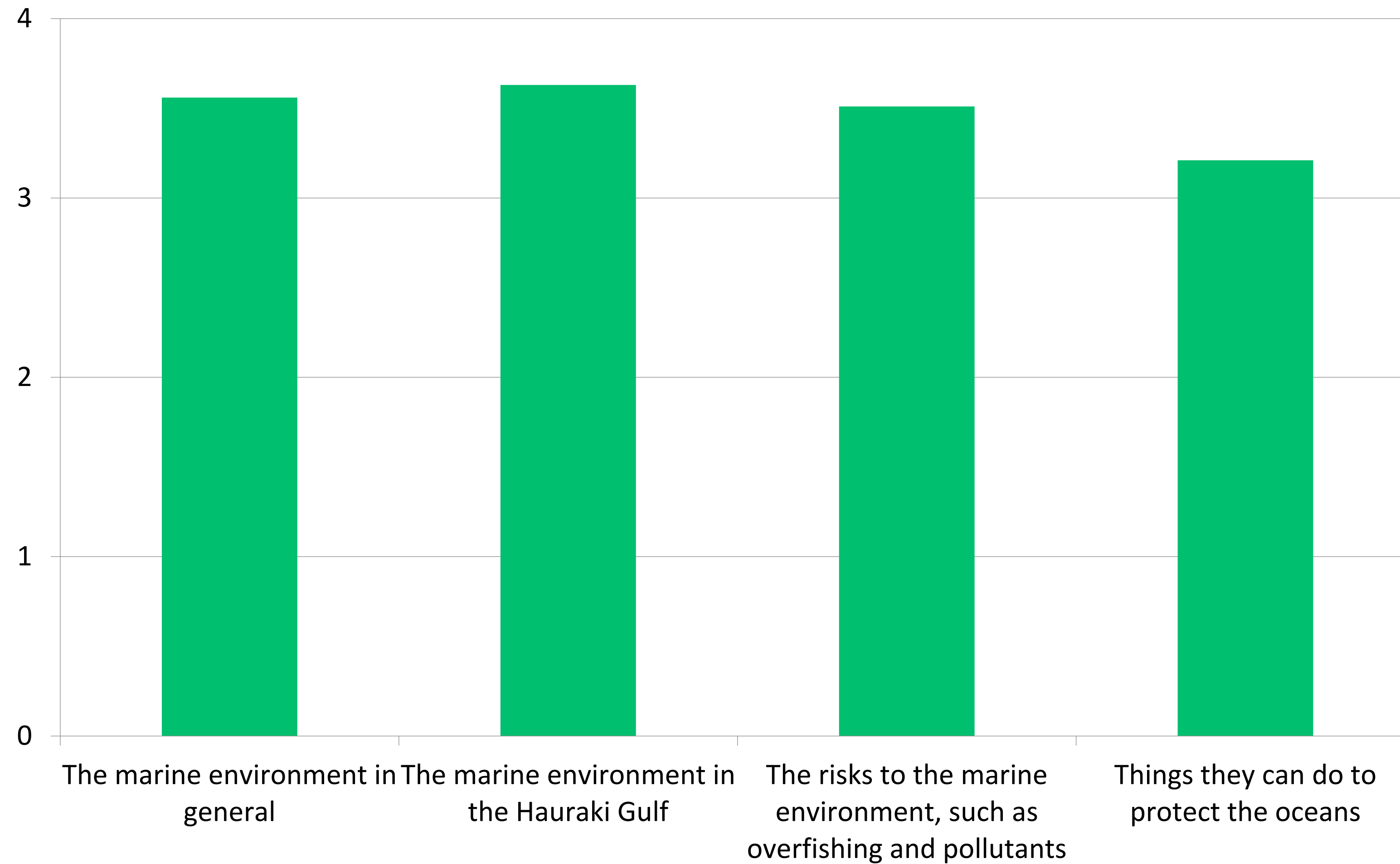


# NZ-VR is highly recommended by teachers, and all want to see it return to their schools the following year

*Please select how much in agreement you are with each of the following statements, where 1 means strongly disagree and 6 means strongly agree.*

	1. Strongly disagree	2. Generally disagree	3. Slightly disagree	4. Slightly agree	5. Generally agree	6. Strongly agree	Unsure
I would recommend NZ-VR to a friend or colleague	0%	0%	0%	3%	3%	94%	0.00%
I was satisfied with the NZ-VR experience	0%	0%	0%	3%	21%	77%	0.00%
I would be happy for NZ-VR to return to my school in 2020	0%	0%	0%	3%	8%	90%	0.00%
NZ-VR inspired my students to care for the environment	0%	0%	0%	15%	38%	44%	2.56%

# Teachers feel strongly that NZ-VR has contributed to students knowledge



*On a scale of 1-4, please indicate how much you think NZ-VR has contributed to students' knowledge of each of the areas below*

■ Weighted Average


# What have we learnt?

1. Young people engage fully in the experience
2. Greater impact amongst Maori/Pasifika
3. 360° videos are immersive and individualise the experience
4. Excellent accessibility tool
5. Highly effective entry point
  - Follow up lessons are critical
4. Technology investment essential
  - Quality headsets
  - Remote control software



# The videos are publicly available – 360 on any device [www.nzgeo.com/vr](http://www.nzgeo.com/vr)


nzgeo.com/vr/poor-knights



## GIVE IT SPACE

Cape Rodney-Okakari Point Marine Reserve was New Zealand's first no-take reserve, closely followed four years later by Poor Knights Islands Marine Reserve 20 kilometres offshore. The level of protection is as important as the location—no-take or Type 1 reserves are more effective than Type 2, which allow fishing and other activities that may be destructive to the seabed.

SCROLL DOWN



1.-Marine-Ecosyste...zip

Show all

# BLAKE

Inspiring environmental leadership

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Foundation Partner



NEW ZEALAND  
GEOGRAPHIC



**FOUNDATION  
NORTH**  
*Te Kaitiaki Pūtea o  
Tāmaki o Tai Tokerau*

**Giltrap**

**Group**

**grassroots**  
trust

Joyce  
Fisher  
Charitable  
Trust



**NIWA**  
Taihoro Nukurangi