



Ship Security Breach – Lessons Learned

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Taihoru Nukurangi

National Institute of Water and Atmospheric Research

A Crown Research Institute (CRI) - 100% NZ Government owned

Science Centres

- Atmosphere
- Natural Hazards
- Climate
- Freshwater & Estuaries
- Coasts & Oceans
- Fisheries
- Aquaculture
- Maori Development
- Environmental Information
- Pacific Rim



Employees: 600 +

Main

locations: Auckland



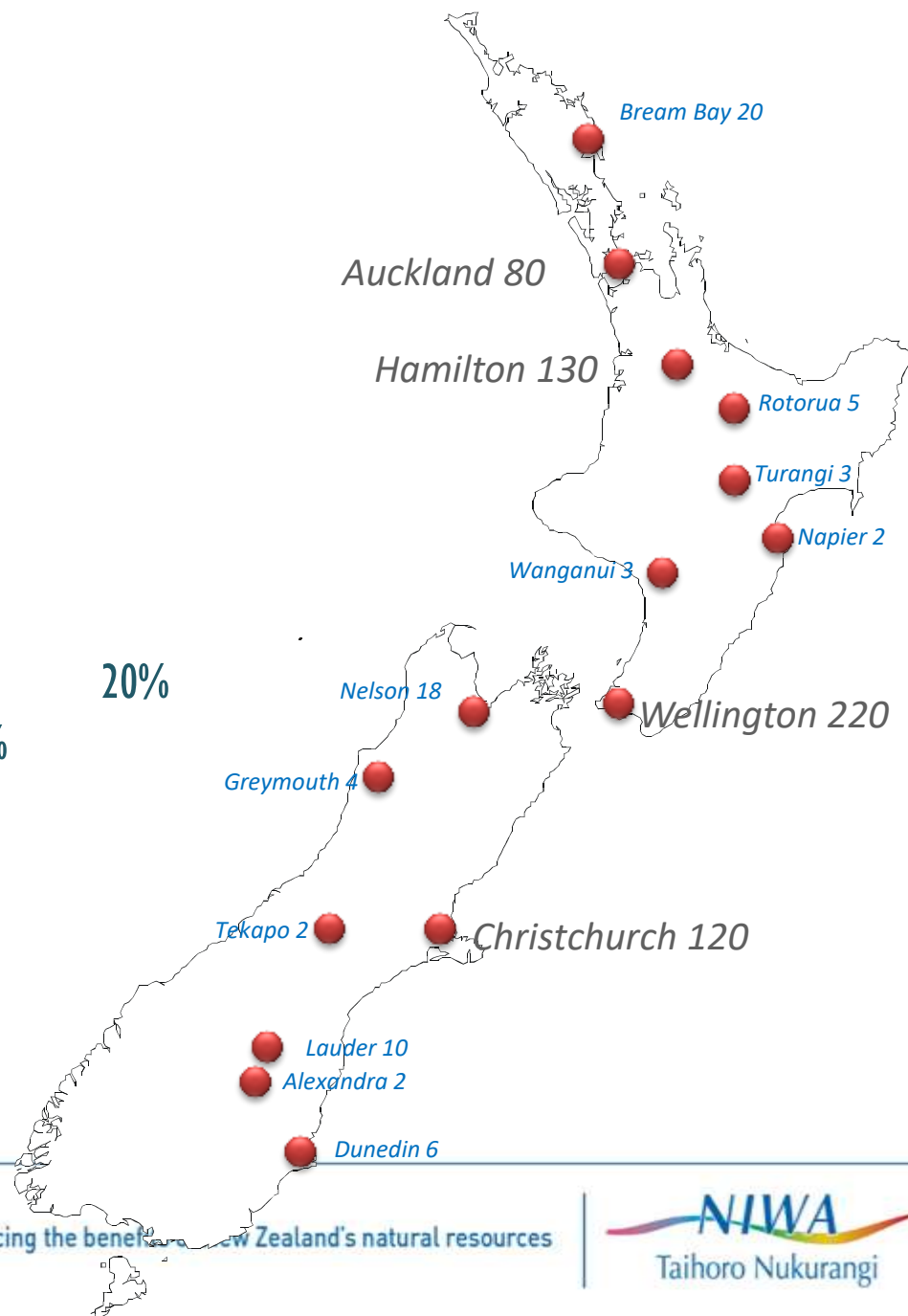
Hamilton
Wellington
Christchurch



Gov't funded Research 50%

Fisheries survey 20%

Applied Science/commercial 30%



Our mission

NIWA's mission is to conduct leading environmental science to enable the sustainable management of natural resources for New Zealand and the planet.

Statement of Core Purpose

The Statement of Core Purpose spells out why the Government owns Crown Research Institutes and what it expects from them. In particular, it defines the areas of operation in which each CRI is the lead agency, and those in which it will collaborate with others to achieve the required outcomes.

NIWA'S purpose is to enhance the economic value and sustainable management of New Zealand's aquatic resources and environments, to provide understanding of climate and the atmosphere and increase resilience to weather and climate hazards to improve safety and wellbeing of New Zealanders.



Kaharoa, 28m



Ikatere, 14m

RV Tangaroa (Built 1991, Norway)

70m, Ice Class, DP2 (refitted in 2010)

Multibeam (EM302, EM2040)

SBP (Topas 18)

Fisheries acoustics

Coring system (6m)

CTD to 6000m and deep ocean winch to 10,000m

Camera Systems

Seismic System (Containerised)





NIWA Vessel Surveys comprise of;

- Public good science funded by NZ Government or collaborative scientific voyages with foreign entities and/or NZ government agencies
- Hydrographic mapping, mainly in NZ EEZ and ECS
- Commercial Surveys comprising;
 - seabed mining (minerals)
 - offshore oil and gas projects
 - site surveys for sewage outfalls, pipelines, harbours and ports
 - Marine telecommunication cable route surveys

Surveys have been conducted from Western Australia to PNG to Antarctica

ARGO Program – as far west as Mauritius and east to Chile





NEW ZEALANDS MARINE REALM

4th largest in the world

Exclusive Economic Zone = 4,105,351 km²

Extended Continental Shelf = 1,628,072 km²

Antarctic Ross Dependency = 3,530,440 km²

NZ's Total Seafloor area = 9,263,863 km²

(equivalent to ~35 x NZ land area of 268,850 km²)

NZ Economy

Over 50% of NZ exports are from primary industries (Dairy, meat, wood, fruit & vegetables, wool)

Oil and gas already makes a significant contribution to the New Zealand economy:

Oil is our 4th largest export (after dairy, meat and wood), with a value of around NZ\$2.5 billion.

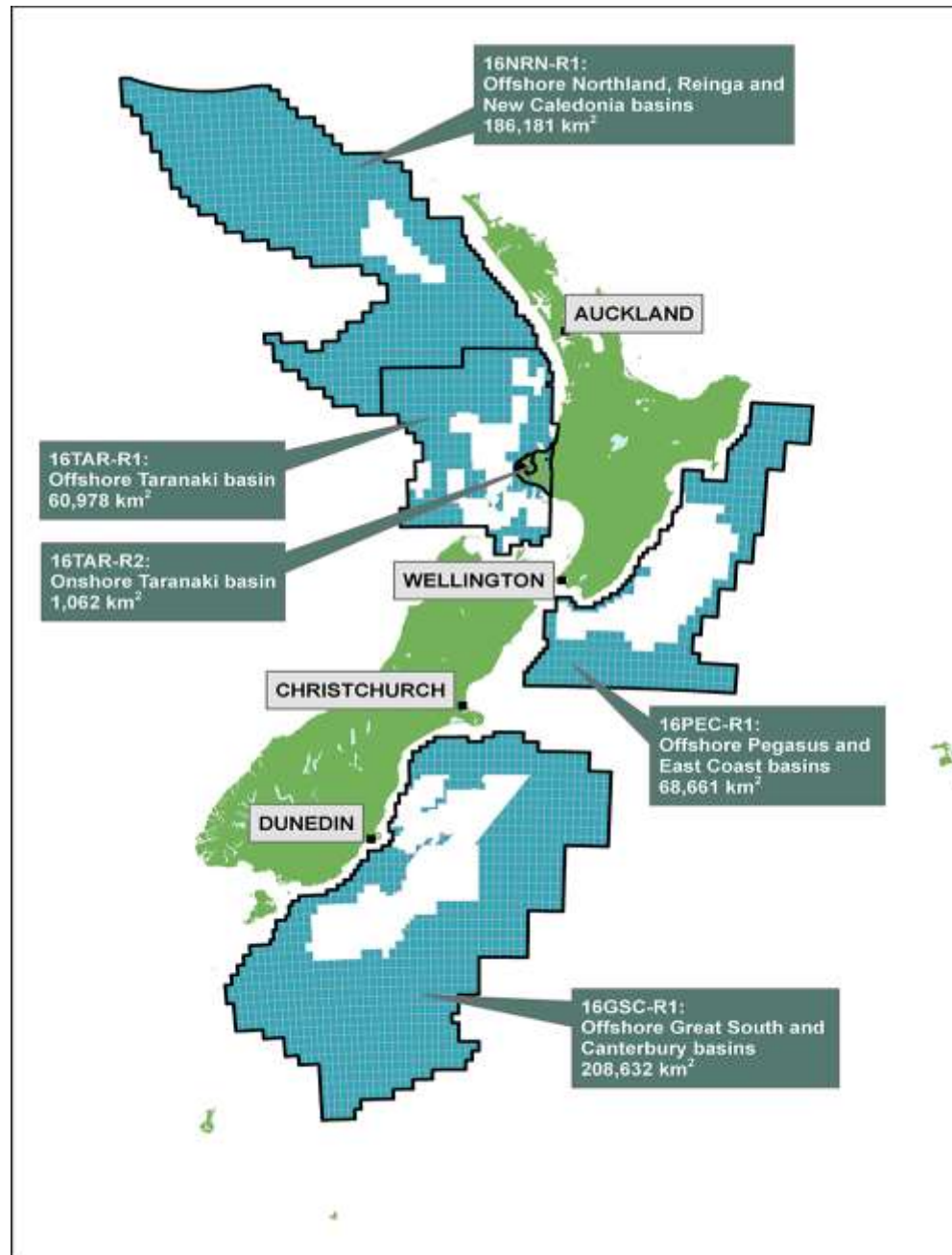
Gas is an important contributor to domestic industries and electricity generation – generated more than 20% of New Zealand's electricity supply in 2015.

Oil, gas and minerals industries contribute over \$4.2 billion to GDP with oil and gas contributing over \$2.5 billion

Royalty income could rise to \$12.7 billion with a 50% increase in exploration.



New Zealand 2016 Petroleum Block offer



Security and Media Protocol

Voyage specific threat assessments are carried out. Intelligence from Police and private investigators with industry knowledge

Coordination with Port security and Maritime Police Units

24 hours security presence on and near ship (two security guards)

List of permitted visitors provided to wharf security gate

Establish media protocol and joint media statements with clients, no surprises policy

Security enhanced at NIWA Office if deemed necessary through threat assessment

Additional security training for crew on how to manage protestors











Greenpeace activists occupy Government climate ship caught searching for oil

Press release - November 24, 2015

Five Greenpeace activists stormed on-board a New Zealand Government ship in Wellington this morning and are now locked to it, after discovering it has been searching for oil.

Climate activists march in nationwide protests

28 November 2015

Thousands of climate activists throughout the country marched today in the lead up to the Paris climate talks. More than 20,000 people took part in more than 30 marches throughout the country calling on the government to take urgent action to combat global warming.

The biggest march appears to have been in Wellington, where an estimated 7000 people gathered in Civic Square before marching to parliament, demanding the government take urgent action.



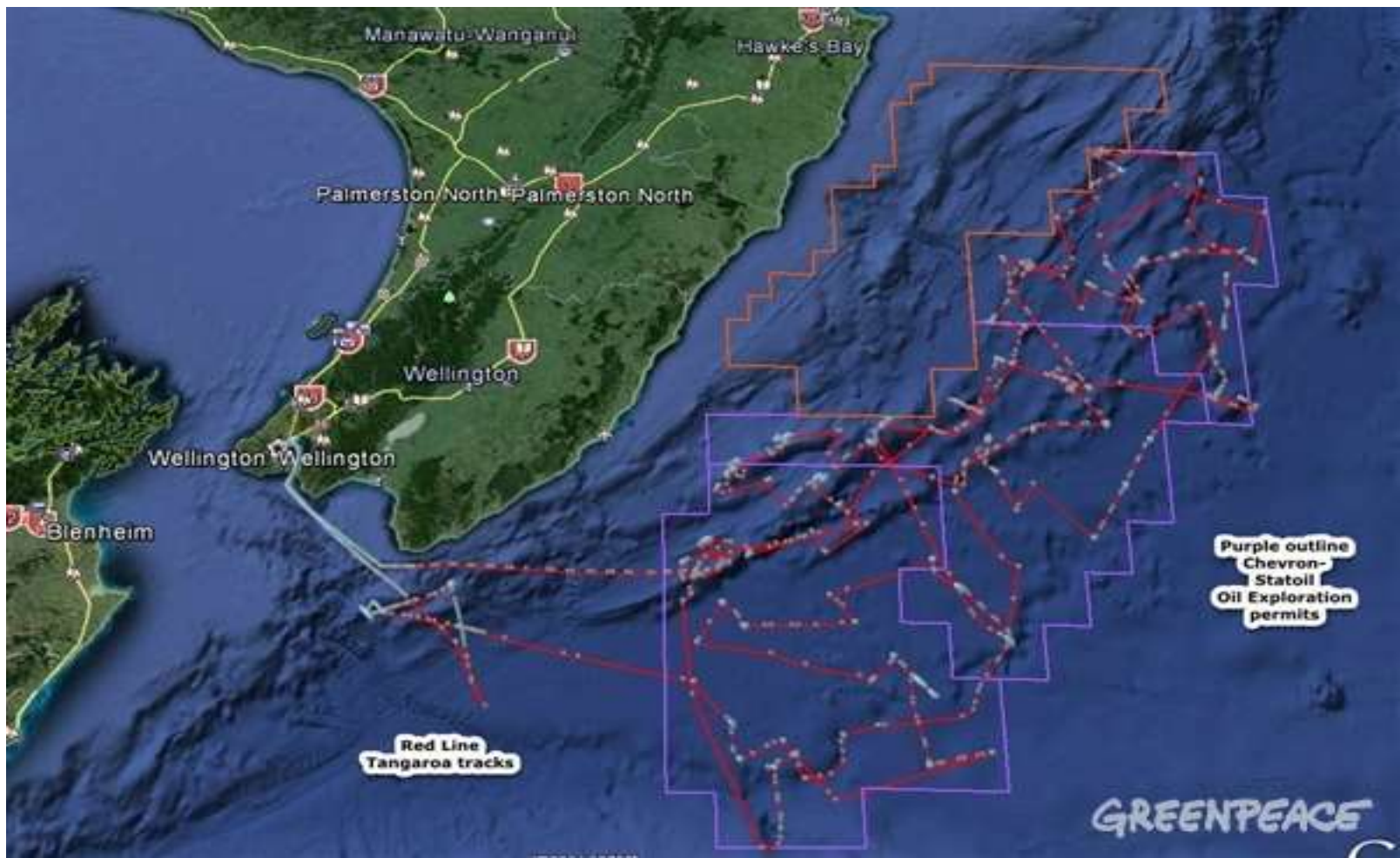
Greenpeace activists convicted but receive no further punishment over 10-hour occupation of the Tangaroa

Press release - February 11, 2016

The five Greenpeace activists who stormed on board a New Zealand Government climate research ship that was found to be searching for oil have been discharged – and will receive no punishment – after being convicted at the Auckland District Court today. The five were convicted of being unlawfully on a vessel.

EEZ/ECS legislation, administered by EPA (Environmental Protection Agency) - for seabed impacting permitted activities, require Environmental Impact Assessment and stakeholder notification. Minimum 40 working days prior to activity required for applications, these are posted on the publicly accessible EPA website.

EPA have realised this poses security risks to survey activities and now only put pre-activity notices on their website 24 hours prior to the activity commencing.



Social Media - Facebook

NIWA victim left on the beach to rot and be mutilated....



Beached whale robbed of fins

People have hacked pieces off the distinctive, tail-less whale that washed up near Ashburton two weeks ago.

STUFF.CO.NZ

Like Comment Share

Another victim of the NIWA death ship ☒ Tangaroa ☒

Despite the best efforts of the Patea community to save her, the young female Orca stranded last night, died during the night.



Lessons learned

What went well for us

- Police were professional and worked with us to manage the situation
- Non confrontational approach – we let the protestors have their say and they came down by themselves
- NIWA media personnel kept in contact with the client to ensure any media statements were agreed upon first.
- Media were very balanced in their reporting, consequently NIWA came out of the situation unscathed and in fact we got a lot of positive media exposure.

What we'll do better next time

- Always ensure security guard presence on the wharf 24/7
- Not rely on port company to secure the wharf
 - There was no camera coverage at that end of the Wharf
 - Single strand of barbed wire on top of fence was not a deterrent
 - Port company reluctant to enhance security for any threats brought to the port by its' customers
- We had let our guard down and Greenpeace took advantage
- Ship Security Plan now includes protest action protocols



Challenges

- Providing objective scientific data to decision makers without being perceived by the public as advocating – social license to operate
- Government, industry and NIWA need to better inform the public on the benefits and risks of oil and mineral exploration. There is a lot of misinformation and misunderstanding of the risks and rewards.
- Ship activity and location is easily accessible to the public to various means (EPA website, Marine Traffic App etc.) We can't stay under the radar
- Increased public awareness of our science activities and scrutiny through social media
- Our communication departments have an increasingly important role in communicating the importance of science for the good of the nation.
- Commercial work has allowed NIWA Vessels to invest in new technologies that enhance scientific research and has helped fund exploration of new areas. These benefits need to be better socialized with the public.



Thank you

