

# Programme at a glance

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## Day 1: Wednesday 1 June 2011

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### 8.30am Powhiri

Official opening: Penny Hulse, Deputy Mayor of Auckland

Welcome: Gary Taylor, Chairman, Environmental Defence Society

Continuity person: Rod Oram, Business journalist

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### 8.50am Session 1: International experience

Chair: Dr Paul Reynolds, Secretary for the Environment

#### International keynotes

- Comprehensive oceans reform: The United Kingdom experience – Amy Holmes, Marine Policy and Planning, Department of Environment, Food and Rural Affairs (pre-recorded video)
- Lessons learned from California's experiment in coastal marine ecosystem-based planning – Dr Mike McGinnis, Senior Lecturer, Institute of Policy Studies, Victoria University
- Marine spatial planning in practice: Developing the Massachusetts Ocean Plan – John Weber, Massachusetts Office of Coastal Zone Management, Boston (video-link)

#### Launch of Strengthening Second Generation Regional Policy Statements

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### 10.50am Morning tea

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### 11.20am Session 2: Oceans reform in New Zealand

Chair: Bunny McDiarmid, Executive Director, Greenpeace New Zealand

- What is at stake?: Life in the oceans – Dr Roger Grace, Marine Biologist and Photographer
- Opportunities for exploitation of ocean resources – Dr Alex Malahoff, Chief Executive, GNS Science
- Key considerations for Māori in developing new oceans policy – Tania McPherson, Senior Policy Analyst, Te Ohu Kaimoana
- Oceans governance framework: An appraisal – Raewyn Peart, Senior Policy Analyst, Environmental Defence Society

#### Panel discussion

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### 1.10pm Lunch

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### 2.10pm Session 3: Implementing the New Zealand Coastal Policy Statement

Chair: Shonagh Kenderdine, recently retired Environment Court Judge; former Chair of the NZCPS Board of Inquiry

- Identifying outstanding natural landscapes and areas of outstanding natural character – Stephen Brown, Director, Stephen Brown Environments Limited; President, New Zealand Institute of Landscape Architects
- Strategic planning for the coast under the NZCPS – Amelia Linzey, Technical Director – Planning, Beca
- Protection of indigenous biodiversity under the NZCPS – Natasha Garvan, Lawyer, Environmental Defence Society (seconded from Bell Gully) and Kelsey Serjeant, Legal Advisor, Environmental Defence Society
- Protecting marine ecosystem services – Dr Simon Thrush, Principal Scientist and Science Leader Coastal Ecosystems, NIWA

#### Panel discussion

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### 4.00pm Afternoon tea

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### 4.30pm Session 4: Leaders' Dialogue: What coastal, lakeside and oceans policy should the next government implement?

Chair: Gary Taylor, Chairman, Environmental Defence Society

- Keynote: Recent developments in Australian coastal management – Professor Bruce Thom, Wentworth Group of Concerned Scientists; Chair of the Australian Coasts and Climate Change Council, President of the Australian Coastal Society; former Chair of the NSW Coastal Council

#### Panel

- Penny Hulse, Deputy Mayor of Auckland
- Nikki Kaye, Member of Parliament for Auckland Central
- Dr Russel Norman, Co-Leader, Green Party
- Hon David Parker, Labour spokesperson for Energy and Economic Development

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6.00pm **Drinks**

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7.00pm **Conference dinner**

**Speaker:** Treasures of the Hauraki Gulf: Bryde's whales, *Dr Rochelle Constantine, University of Auckland*

**MC:** *Derek Nolan, Partner, Russell McVeagh*

**Award to winner of EDS University Environmental Essay Competition**

**Dinner sponsored by** **RUSSELL McVEAGH**

Official Law Firm of Rugby World Cup 2011

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**Day 2: Thursday 2 June 2011**

7.30am **Session 5: Breakfast Session**

**Chair:** *Debs Martin, Top of the South Field Officer, Royal Forest and Bird Protection Society*

**Keynote:** Pacific Oceanscape

*Mike Donoghue, Pacific Islands Executive Director, Conservation International*

**Discussion**

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8.30am **Session 6: Spatial planning for coasts and lakesides**

**Chair:** *Greg Hill, Planning Consultant*

**Keynote:** The Bluegreens agenda – *Hon Dr Nick Smith, Minister for the Environment*

▶ *Auckland spatial plan – Dr Roger Blakeley, Chief Planning Officer, Auckland Council*

▶ *A fresh start for the lakes and landscapes of the Upper Waitaki – Guy Salmon, Executive Director, Ecologic*

▶ *Spatial planning for the coast: Lessons learned from the Blueprint Coromandel project – Leigh Robcke, District Plan Manager, Thames-Coromandel District Council*

**Panel discussion**

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10.30am **Morning tea**

11.00am **Session 7: Marine spatial planning**

**Chair:** *Nici Gibbs, Policy Manager, New Zealand Seafood Industry Council*

▶ *Mapping, classifying, and connecting marine habitat landscapes at local, regional, and national scales – Ian Tuck, Principal Scientist, Aquatic Biodiversity, NIWA*

▶ *Systematic approaches to marine spatial planning – Dr Daniel Breen, Senior Technical Support Officer, Marine Conservation Team, Department of Conservation*

▶ *Marine spatial planning and fisheries management – David Scranney, Manager Fisheries Management – Spatial, Ministry of Fisheries*

▶ *Applying marine spatial planning to New Zealand's seas – Dr Hamish Rennie, Senior Lecturer Environmental Management and Planning, Lincoln University and Robert Makgill, Director, North South Environmental Law*

**Panel discussion**

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1.00pm **Lunch**

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**2.00pm Session 8: Specific issues**

**Stream A:  
Aquaculture**

**Chair:** *Hon Sir Douglas Kidd*

Māori aspirations for aquaculture – *Keir Volkerling, Consultant*

The potential environmental impacts of aquaculture – *Dr Shane Kelly, Director, Coast and Catchment Limited*

Implementation of aquaculture reforms – *Daniel Lees, Director, Aquaculture Unit, Ministry of Fisheries*

A legal perspective on the aquaculture reforms – *Richard Brabant, Barrister*

**Panel discussion**

Venue: Epsom Room

**Stream B:  
Offshore petroleum  
and minerals**

**Chair:** *Bronwen Golder, Director of the Kermadec Initiative of the Pew Environment Group*

Development of offshore petroleum – *John Pfahlert, Executive Officer, Petroleum Exploration and Production Association*

Potential impacts of deep-sea exploration and mining – *Dr Alison MacDiarmid, Group Manager and Principal Scientist, Marine Ecology, NIWA*

Findings of comparative review of health, safety and environmental legislation for offshore petroleum operations – *Helen Atkins, Partner and Vicki Morrison, Senior Associate, Atkins Holm Joseph Majurey Limited*

Adequacy of current legal framework – *Professor Barry Barton, Faculty of Law, University of Waikato*

**Panel discussion**

Venue: Plenary Session Room

**Stream C:  
Coastal and  
lakeside development**

**Chair:** *Justine Brennan, Acting Manager, Planning Frameworks, Bay of Plenty Regional Council*

The coastal and lakeside property market story – *Rodney Dickens, Managing Director, Strategic Risk Analysis Limited*

Lessons learned from recent coastal developments – *Evan Williams, Chief Executive Officer, Williams Land Limited*

Protecting natural and cultural landscapes in Akaroa – *Victoria Andrews and Steve Lowdnes, Akaroa Civic Trust*

Lessons learned from managing lakeside development in the Taupo District – *Rowan Sapsford, Sinclair, Knight, Mertz*

**Panel discussion**

Venue: Auckland 1

**Stream D:  
Land-sea interface**

**Chair:** *Wayne McNee, Chief Executive, Ministry of Agriculture and Forestry; Acting Chief Executive Ministry of Fisheries*

Agriculture and the coastal environment: A community approach to improving water quality – *Mike Jebson, Director Natural Resources Policy, Ministry of Agriculture and Forestry*

Influence of rivers on coastal ecosystems: A case study of Tasman Bay – *Dr Chris Cornelisen, Cawthron Institute*

Managing sedimentation and discharge of contaminants:

A limits-based approach – *Dr Malcolm Green, Principal Scientist, Coastal Physical Processes, NIWA*

Strategy and Impact – why it's the thought that counts – *Annette Lees, Conservation and Development Consultant*

**Panel discussion**

Venue: Auckland 2

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**4.00pm Afternoon tea**

**4.30pm Session 9: Future directions**

**Chair:** *Gary Taylor, Chairman, Environmental Defence Society*

Marine and Coastal Area (Takutai Moana) Act 2011: Key issues for councils and resource users – *Derek Nolan, Partner, Russell McVeagh*

Key points on the way forward from concurrent sessions, *Session chairs*

Open Forum

Connecting the threads: *Rod Oram, Business journalist*

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**5.45pm Conference close**



# Speaker and chair biographies

Day 1: Wednesday 1 June 2011

8.30am POWHIRI & OFFICIAL OPENING

## Official opening: Penny Hulse, Deputy Mayor of Auckland

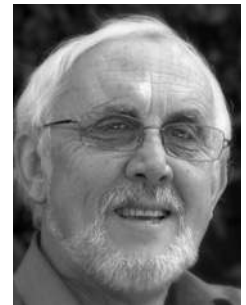
Penny brings more than 15 years of local government experience to her role of Deputy Mayor. Penny was first elected to the Waitakere Community Board in 1992 before being elected chair of the board in 1994. In 2007, Penny became Deputy Mayor alongside long-serving Waitakere City Mayor Bob Harvey. She has been instrumental in helping build Waitakere and understands the area and its people.

Penny has strong links with her community and cares passionately about the Auckland region. Her special areas of interest are climate change, sustainable city development, environmental advocacy, community development and youth.



## Welcome: Gary Taylor, Chairman, Environmental Defence Society

Gary has worked as an environmental policy analyst for private and public sector clients for many years. He was involved in the environmental reform process in the 1980s and has case-managed environmental litigation for EDS over three decades. Gary has extensive experience in the governance of public sector and non-government organisations. He is currently Chairman of the Climate Change and Business Centre and a director of the Hobsonville Land Company. Gary was awarded a QSO for services to conservation.



## Continuity: Rod Oram, Business journalist

Rod has more than 30 years' experience as an international business journalist. He has worked for various publications in Europe and North America, including the *Financial Times of London*. Rod and his family emigrated from the United Kingdom to New Zealand in 1997.

Rod is currently a columnist for the *Sunday Star-Times*; a regular broadcaster on radio and television; and a frequent public speaker on business, economics, innovation, creativity and entrepreneurship, in both New Zealand and global contexts.

For more than a decade, Rod has been helping fast-growing New Zealand companies through his involvement with The ICEHOUSE, the entrepreneurship centre at the University of Auckland's Business School. Penguin published in 2007 his book on the New Zealand economy, *Reinventing Paradise*. Rod was named the Landcorp Agricultural Communicator of the Year for 2009.

Last year, Rod was the winner in the individual category in the 2010 Vero Excellence in Business Support Awards and was Columnist of the Year in the consumer category in the national magazine awards for his columns in *Good*, a consumer sustainability magazine.



## NOTES

**Chair: Dr Paul Reynolds, Secretary for the Environment**

Paul joined the Ministry for the Environment as its Chief Executive in July, 2008. Prior to that he worked at the Ministry of Research, Science and Technology (1998-2002) as Chief Policy Adviser and then, from 2002-2008, led the Policy Group at the Ministry of Agriculture and Forestry.

Before arriving in Wellington, Paul had a scientific research career, first with the then Department of Scientific and Industrial Research and then with the Crown Research Institute, HortResearch. He holds a PhD in biochemistry from the University of Otago.

**International keynotes**

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**Comprehensive oceans reform: The United Kingdom experience****Amy Holmes, Marine Policy and Planning, Department of Environment, Food and Rural Affairs (pre-recorded video)**

Amy is currently leading work to ensure the sustainable development of the United Kingdom's (UK's) marine environment including implementation of marine planning elements of the Marine and Coastal Access Act. This includes the development of the UK's first Marine Policy Statement adopted in March 2011 and the establishment of a baseline of understanding from which marine plans for England will be prepared.

Amy oversees implementation of Integrated Coastal Zone Management (ICZM) which takes a comprehensive approach to enabling holistic and integrated management of England's coastal areas. She also leads the UK's work with the European Commission on Maritime Spatial Planning and ICZM.

**Lessons learned from California's experiment in coastal marine ecosystem-based planning****Dr Mike McGinnis, Senior Lecturer, Institute of Policy Studies, Victoria University**

Mike was Director of the Ocean and Coastal Policy Center at the University of California Santa Barbara from 1995-2010. He has published over 40 articles in peer reviewed journals on the subject of large-scale environmental policymaking. From 1993 to 2000, his research was funded by three awards from the US National Science Foundation focused on the role of worldviews, values, beliefs and science in the development of ecosystem-based planning.

From 1999 to 2008, Mike was an advisor to federal agencies in the development of coastal marine ecosystem-based planning in California. He worked extensively on the designation of marine protected areas for the northern Channel Islands offshore southern California.

In 2008, Mike was a Fulbright Scholar in south-eastern Europe and conducted a comparative study of coastal marine governance supported by the European Union. He is currently conducting a study of New Zealand's coastal marine governance framework that has received support from government ministries.

**Marine spatial planning in practice: Developing the Massachusetts Ocean Plan****John Weber, Massachusetts Office of Coastal Zone Management, Boston (via video-link)**

John has 12 years of experience in the environmental field and has focused on coastal and ocean management issues. Currently John manages the day-to-day activities necessary for the development and implementation of the MA ocean management plan. John's previous experience at CZM included review of Boston waterfront development and planning activities, and prior to joining CZM he worked on dredging and wetland restoration projects in the San Francisco Bay area. John has a BS in Coastal Geology from Long Island University and an MS in Marine Resource Management from Oregon State University.



**Chair: Bunny McDiarmid, Executive Director, Greenpeace New Zealand**

Bunny has been working in various capacities with Greenpeace since 1984, when she joined the original *Rainbow Warrior* crew. She and her partner Henk were both part of the crew of the *Warrior* when it was bombed the following year. Bunny co-founded the Greenpeace Pacific campaign in 1987 which covered oceans, nuclear, toxics, forestry, climate change and fisheries issues in the region and continued campaigning against French nuclear testing until the last test in 1996.

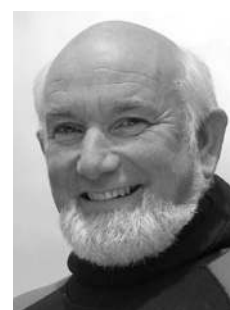
Bunny moved the Greenpeace Pacific campaign office from Auckland to Fiji in 1994, living in Suva until 1998, when she left Greenpeace to work with Henk running a science charter business using their sailing boat, *Tiama*. She returned to Greenpeace in 2001, working out of its headquarters in the Netherlands coordinating the international nuclear campaign and then the bottom trawling campaign, before taking the job of Executive Director in 2006. Bunny is completing a Masters part-time in Conflict Resolution.

**What is at stake: Life in the oceans****Dr Roger Grace, Marine Biologist and Photographer**

Roger has been an active campaigner for marine conservation both in New Zealand and internationally. He has played a role in many of New Zealand's marine reserve campaigns and is a frequent contributor of articles on marine conservation to popular marine magazines.

Roger has been researching changes in marine reserves and comparative fished areas for over 30 years and has some of the longest data sets showing recovery of marine life and habitats following protection from fishing.

Roger is a Trustee of the Mountains to Sea Conservation Trust, the umbrella Trust for the EMR – Experiencing Marine Reserves – programme for children and communities, and several other projects. In 2005 Roger received the Queen's Service Medal for public service.

**Opportunities for exploitation of ocean resources****Dr Alex Malahoff, Chief Executive, GNS Science**

Alex has a BSc, MSc and DSc (Hon) from Victoria University and a PhD from the University of Hawaii. Alex leads the Management Team and oversees the management of GNS Science. He directs the team in strategy, policy, investment, and science programmes.

Alex is a geophysicist and, before taking up his present role in 2002, he served as Professor of Oceanography and Chair of the Ocean Engineering Department at the University of Hawaii. He was also Director of the Hawaii Undersea Research Laboratory. Before that he was Program Director, Marine Geology and Geophysics at the Office of Naval Research and Chief Scientist at the National Ocean Survey, National Oceanic and Atmospheric Administration in the United States.

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## Key considerations for Māori in developing new oceans policy

### ***Tania McPherson, Senior Policy Analyst, Te Ohu Kaimoana***

Tania hails from Matapōuri Bay, north-east of Whangarei. She is of Ngātiwai decent and holds a degree in Marine Science from the University of Auckland. Tania has worked at Te Ohu Kaimoana for the past 10 years as a Senior Policy Analyst and prior to that she spent several years working for the Ministry of Fisheries as a Customary Fisheries Co-ordinator.



Tania's principle areas of work include protecting Māori commercial and non-commercial fishing rights secured under the Fisheries Settlement, which were entered into between the Crown and Māori in 1992, and helping iwi to manage their rights effectively.

Tania has provided advice on policy reforms, such as the Marine Reserves review and Marine Protected Areas Strategy, which have major implications for access by Māori to their fisheries resources. She also provides advice into the Ministry of Fisheries' annual review of sustainability measures to ensure that Māori concerns are adequately reflected in final decisions.

Tania is currently developing and trialling a system to help iwi gather catch information across the range of their fishing interests. This system aims to help iwi participate effectively in the management of fisheries.

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## Oceans governance framework: An appraisal

### ***Raewyn Peart, Senior Policy Analyst, Environmental Defence Society***

Raewyn has 20 years professional experience in environmental law and policy. She holds the qualifications of Bachelor of Social Science (Waikato), Bachelor of Commerce (Otago), Bachelor of Laws (Otago) and Masters of Commerce (Durban).



Raewyn has broad experience in the environmental field having worked for law firms, a property development company, a government research organisation and an environmental non-governmental organisation, as well as undertaking many consultancy projects for councils and other organisations.

For the past ten years Raewyn's work has focused on landscape protection, coastal development and marine management in New Zealand. She have written numerous papers, research reports and guides on these issues and in 2009 published a major book on coastal development titled *Castles in the Sand: What's happening to the New Zealand coast?* Raewyn was the lead author for the EDS policy paper titled *Governing our Oceans: Environmental reform for the Exclusive Economic Zone* which was released in April this year.

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## NOTES

**Chair: Shonagh Kenderdine, recently retired Environment Court Judge; former Chair of the NZCPS Board of Inquiry**

Shonagh graduated with a MA(Hons) from the University of Otago in 1959 and an LLB from the University of Auckland in 1980. She was a teaching fellow and junior lecturer in history at the University of Sydney and Victoria University of Wellington prior to becoming a lawyer.

From 1981 to 1986 Shonagh practised in environmental law in the state and private sector (including the Commission for the Environment and BP New Zealand) before becoming Senior Crown Counsel in the Crown Law Office.

Shonagh was the first woman to be appointed as a Planning (now Environment) Judge in 1990. She retired from the Environment Court in 2010. Shonagh served as Chair of the Board of Inquiry established by the Minister of Conservation to report on the 2008 proposed New Zealand Coastal Policy Statement. She is currently Chair of the New Zealand Historic Places Trust.

**Identifying outstanding natural landscapes and areas of outstanding natural character****Stephen Brown, Director, Stephen Brown Environments Limited; President, New Zealand Institute of Landscape Architects**

BTP, Post-graduate Diploma of Landscape Architecture

Stephen has specialised in landscape assessment and planning for 22 years and operates his own landscape architecture consultancy, Stephen Brown Environments Limited in Association with Kingett Mitchell. Stephen is an Associate and past Vice President of the New Zealand Institute of Landscape Architects and an Affiliate of the New Zealand Planning Institute. He has undertaken numerous landscape assessments and has given evidence at many council hearings and at over 40 Environment Court and Planning Tribunal hearings.

**Strategic planning for the coast under the NZCPS****Amelia Linzey, Technical Director – Planning, Beca**

Amelia provides technical direction on a number of key projects in Beca Planning, particularly focusing on policy planning and major infrastructure projects. She is currently a member of Beca's Professional Leadership Group, providing practice leadership across the company. In her role, Amelia has been involved in a number of projects involving spatial planning of coastal environments, both within New Zealand and in the wider Pacific.

Amelia has worked on strategic planning projects (such as the Whangarei, New Plymouth and Hastings Coastal Strategies), hazard planning (for example, Samoa's Coastal Infrastructure Asset Management Project) and statutory or implementation planning (for example for the Kaipara District Plan, Whangarei District Plan and through projects such as Auckland City's Onehunga Foreshore Master Plan).

Amelia draws from this experience and wider involvement of Beca in spatial planning projects, to reflect on the emerging implications of the New Zealand Coastal Policy Statement 2010 for planning for the coast.

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## Protection of indigenous biodiversity under the NZCPS

### ***Natasha Garvan, Lawyer, Environmental Defence Society (seconded from Bell Gully)***

Natasha is a solicitor in the resource management team at Bell Gully. She has worked in environmental law since completing her studies in 2008. Natasha has an LLB(Hons) and BA from the University of Otago and a BA(Hons) in politics from the University of Auckland. Natasha co-authored '*Managing Freshwater: An EDS Guide*' and is interested in freshwater management in New Zealand.



### ***Kelsey Serjeant, Legal Advisor, Environmental Defence Society***

Kelsey has an LLB and BSc (biology) from the University of Auckland. She worked in the resource management team at Russell McVeagh before moving to the Environmental Defence Society in 2010 as an in-house lawyer. Kelsey is also involved in EDS's policy and environmental think tank activities and runs EDS's community advice service. Kelsey co-authored *Governing Our Oceans: Environmental Reform for the Exclusive Economic Zone* an EDS policy paper launched in April 2011.



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## Protecting marine ecosystem services

### ***Dr Simon Thrush, Principal Scientist and Science Leader Coastal Ecosystems, NIWA***

Simon obtained a BSc (Hons) from the University of Otago, New Zealand and a PhD from the University of East Anglia, England. He has over 25 years of experience in the development and implementation of strategic ecological research to influence resource management and improve societal valuation of marine ecosystems. In 2010, Simon was the winner of the New Zealand Marine Science Award, which recognised his outstanding contribution to marine science in New Zealand



Simon's research interests include coastal and estuarine marine ecology; the influence of disturbance events on populations and communities and their implications for recovery and resilience; ecological impact assessment, particularly of diffuse source and/or broad-scale effects; the design and implementation of ecological monitoring programmes; the environmental effects of fishing; organism-sediment interactions; organism-hydrodynamic interactions; functional biodiversity and biocomplexity.

Simon has contributed to over 180 publications in the peer reviewed scientific literature and 100 consultancy reports. He enjoys extensive international collaboration with colleagues in the USA, Canada, Britain, Norway, Finland, Spain, Netherlands and Italy.

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**SESSION 4: LEADERS' DIALOGUE: WHAT COASTAL, LAKESIDE AND OCEANS POLICY SHOULD THE NEXT GOVERNMENT IMPLEMENT?**


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**Chair:** *Gary Taylor, Chairman, Environmental Defence Society* (See bio page 6)

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**Keynote: Recent developments in Australian coastal management**

***Professor Bruce Thom, Wentworth Group of Concerned Scientists; Chair of the Australian Coasts and Climate Change Council, President of the Australian Coastal Society; former Chair of the NSW Coastal Council***

Formerly Vice-Chancellor of the University of New England (1994-1996), Bruce has held positions such as Foundation Professor of Geography at the Royal Military College, Duntroon (University of New South Wales, 1977-1984); Professor of Geography at the University of Sydney (1985-1993); and Pro-Vice-Chancellor Research at the University of Sydney (1990-1993).



Bruce holds the title of Emeritus Professor from the University of Sydney. He has served as Chair of the Australian State of Environment Committee 1998-2002 and as Chair of the Coastal Council of New South Wales (1999-2004).

Bruce was Visiting Professor in the Faculty of Built Environment at the University of New South Wales. He served as the Visiting Professor for Coastal Management and Planning at the Department of Infrastructure, Planning and Natural Resources in Sydney. Bruce also formerly held the position of Visiting Professor in the New South Wales Department of Planning.

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**Panel**

***Penny Hulse, Deputy Mayor of Auckland*** (See bio page 6)

***Nikki Kaye, Member of Parliament for Auckland Central***

Auckland Central's first National MP, Nikki Kaye, was born and raised in Auckland. She was educated at Corran School where she was Head Prefect and gained a Bachelor of Science from the University of Otago, majoring in Genetics in 2002. She also graduated with an LLB in May 2010.

In 1999, Nikki joined the National Party and has held various roles in the Party organisation. She took a professional role as a Researcher in the Office of the Leader of the Opposition in 2002.



Nikki then moved to London and focused on project management, working in a variety of public sector roles in social services and transport. In 2007 she ran a major information technology project for a large financial institution.

Nikki was elected the Deputy Chair of the Government Administration Select Committee in February 2011 and also sits on the Local Government and Environment Select Committee and the Auckland Governance Legislation Select Committee.

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***Dr Russel Norman, Co-Leader, Green Party***

Russel is the Greens' spokesperson on environment (freshwater), climate change, economics and finance, and sits on Parliament's Finance and Expenditure Committee. One of New Zealand's pre-eminent fresh water campaigners, Russel is a vocal advocate for a strong National Policy Statement for Freshwater Management. The Greens have also been fighting for a Coastal Policy Statement that will protect our coastal areas from further degradation, and from the inappropriate development we have seen over the past decades.



Before working fulltime in politics, Russel worked in organic farming, in sheet metal fabrication, car assembly, as a tutor and as a researcher. He is passionate about working for change towards a sustainable, fair, peaceful and democratic Aotearoa. Russel entered politics in order to save the world, but he thinks there's still a bit of a way to go.

***Hon David Parker, Labour spokesperson for Energy and Economic Development***

David qualified as a lawyer and accountant at the University of Otago and worked for many years with Anderson Lloyd, the largest South Island law firm in the South Island. His areas of expertise include civil litigation, river protection and mining.



After a period as managing partner, he left Anderson Lloyd to pursue business interests, which were many and varied. He is an experienced company director and chief executive.

David entered Parliament in 2002 and was promoted to Cabinet in 2005. His Cabinet posts were at various times Minister of Energy, Climate Change, Attorney-General, Transport, Land Information and State Services. David is currently Labour's shadow Attorney-General, and Associate Finance, Energy and Economic Development Spokesperson

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**Day 2: Thursday 2 June 2011**

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**7.30am SESSION 5: BREAKFAST SESSION**

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**Chair: Debs Martin, Top of the South Field Officer,  
Royal Forest and Bird Protection Society**

Debs Martin has been at the forefront of many recent environmental campaigns. She has a degree in psychology and sociology, and a masters degree in political geography from Canterbury University with a focus on Antarctica. She has worked as a drug and alcohol counsellor in Hanmer Springs and an advisor for Green Party co-leader Jeanette Fitzsimons MP based in Canterbury. She joined Forest & Bird in 2004 as Top of the South Field Officer based in Nelson.



Debs is well respected as a formidable defender of the environment, and in recent years she has focused on campaigning to save wild rivers like the Mokihinui River, protecting the three national parks in her region, and a project to save remnant habitat of New Zealand's endangered long-tailed bats. When she gets the chance, Debs is also a keen tramper and weed-buster.

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**Keynote: Pacific Oceanscape****Mike Donoghue, Pacific Islands Executive Director,  
Conservation International**

Prior to his current position, which he took up in February this year, Mike had worked (since 1987) for the Department of Conservation (DOC) in a variety of roles involving marine mammals and international wildlife conventions. He had a leading role in developing DOC's whale stranding response; in promoting New Zealand's whale and dolphin-watching industry; in establishing the marine mammal sanctuaries at Banks Peninsula and the Auckland Islands; and in addressing fisheries interactions with marine mammals and seabirds, including the development of the Conservation Services Programme.



Between 1981 and 2010, Mike served as scientific adviser to three New Zealand Commissioners to the International Whaling Commission, and was also a member of the Government's Task Force on Driftnets and the New Zealand focal point for the Convention on Migratory Species.

Mike is also a founder member of the South Pacific Whale Research Consortium and over the past 15 years has investigated the status and trends of humpback whales in their winter breeding grounds in Tonga.

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**Chair: Greg Hill, Planning Consultant**

Greg is a resource management planner with approximately 25 years' experience. He has considerable experience in resource consenting, policy development and implementation, and management. Greg has worked in territorial, regional and central government agencies as well as the private sector.

Greg now runs his own resource management consulting business, specialising in policy development and implementation and governance/performance issues for public sector clients. He also advises a number of community groups on resource management and governance issues.

Greg is also an Independent Hearings Commissioner for a number of regional and territorial authorities and was recently appointed to the Rugby World Cup Authority. This is becoming an increasing part of his work. He has worked in resource management roles in New Zealand and the United Kingdom.

**Keynote: The Bluegreens agenda*****Hon Dr Nick Smith, Minister for the Environment, Minister for Climate Change Issues, Minister for ACC***

Nick was born and educated in North Canterbury. He subsequently completed a first-class honours degree in civil engineering and a PhD in landslides at Canterbury University.

Nick's greatest passion has been improving New Zealand's management of the environment and natural resources. In 1998, he founded the Bluegreens as a group within National that wish to advance policies that support economic prosperity and a clean, green New Zealand.

National achievements in which Nick has played a significant role include the creation of the Kahurangi and Rakiura National Parks, 12 Marine Reserves, the introduction of the Emissions Trading Scheme to reduce greenhouse gas emissions, the establishment of the Energy Efficiency and Conservation Authority, and the Environment Protection Authority.

**Auckland spatial plan*****Dr Roger Blakeley, Chief Planning Officer, Auckland Council***

Roger was General Manager, State Coal Mines at the start of the State-owned Enterprises establishment in 1984. As Secretary for the Environment, he led the conception and development of the Resource Management Act 1991, and while Chief Executive at the Department of Internal Affairs, initiated work on the Local Government Act 2002.

In 2000, Roger was appointed Chief Executive of Porirua City Council. In 2009 Porirua City Council won the IPANZ/Gen-I Prime Minister's supreme award for public sector excellence for the Safer Porirua project, and the NZ Post/SOLGM supreme award for Local Government Excellence for its village planning project. In Chicago in November 2010, Porirua City won two of the three categories entered in the International Liveable Community Awards, and was second city overall.

Roger's principal tasks for the Mayor and Auckland Council will involve the development of a Regional Spatial Plan for Auckland, which sets out the long term vision and framework for development over the next 30 years.

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## **A fresh start for the lakes and landscapes of the Upper Waitaki**

### ***Guy Salmon, Executive Director, Ecologic***

The Ecologic Foundation is an independent think tank on sustainable development. A specialist in environmental policy and governance, Guy's work involves policy research and consulting in New Zealand and internationally.

Guy's research on approaches to environmental governance in the Nordic countries raised interest in collaborative governance in New Zealand, leading to the establishment of the Land and Water Forum. More recently, he has researched similar processes in Canterbury and the central North Island, and has led the establishment of a new collaborative process to address land and water use issues in the Upper Waitaki.



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## **Spatial planning for the coast: Lessons learnt from the Blueprint Coromandel project**

### ***Leigh Robcke, District Plan Manager, Thames-Coromandel District Council***

Leigh has held his current position at the Council for the last five years. In this time, the Thames-Coromandel District Plan has become 'operative', and a lot of background work has been completed in the lead up to a full review and restructure of that plan. This includes assessments of landscape, historic heritage, biodiversity, soil resources, growth pressures and areas for future development.

A lot of this work has been fed into the Coromandel Peninsula Blueprint and Local Area Blueprint projects which are 'spatial plans' for the Coromandel Peninsula. These in turn are now being used to inform the District Plan Review. Along the way some lessons have been learnt, and others are in the process of being learned, which will be the subject of Leigh's presentation.



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## **NOTES**

**Chair: Nici Gibbs, Policy Manager, New Zealand Seafood Industry Council**

Nici has been involved in coastal and marine planning issues as an advisor to the seafood industry, a regional planner, a central government policy analyst, and an advisor to environmental NGOs. She has a Masters degree in Resource Management and 25 years of policy experience, specialising in resource management, environmental policy, industry development, Treaty policy and fisheries issues. Nici is currently the Policy Manager at the New Zealand Seafood Industry Council, a seafood industry-owned company which provides policy, management and science services for the fishing and aquaculture industries.

**Mapping, classifying, and connecting marine habitat landscapes at local, regional, and national scales****Ian Tuck, Principal Scientist, Aquatic Biodiversity, NIWA**

Ian has worked in fisheries research for over 20 years, initially in Scotland, and more recently in New Zealand. In Scotland he led inshore fisheries and shellfish research at the Marine Laboratory in Aberdeen.

Ian moved to New Zealand to join NIWA in 2006, as a Principal Scientist for Shellfisheries and the Effects of Fishing, and a member of NIWA's National Centre for Fisheries. His main interests are shellfish fisheries and their assessment, and scampi in particular, the effects of fishing on benthic communities, habitats, and ecosystem indicators.

**Systematic approaches to marine spatial planning****Dr Daniel Breen, Senior Technical Support Officer, Marine Conservation Team, Department of Conservation**

Prior to his current role, Dan had worked at DOC as Advisory Scientist for Auckland. At the New South Wales (NSW) Marine Parks Authority and NSW Fisheries Dan helped establish several large marine parks and aquatic reserves. At the Great Barrier Reef Marine Park Authority he worked on a project to develop a representative network of highly protected areas and on several other regional marine plans.

Dan's professional interests include geographic information systems, ecological surveys, monitoring and analysis, marine education, social surveys and participatory GIS in stakeholder and community workshops. He has a PhD from James Cook University, Queensland in systematic conservation planning for marine protected areas.

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## Marine spatial planning and fisheries management

### ***David Scranney, Manager Fisheries Management – Spatial, Ministry of Fisheries***

The key work of the spatial team that David manages includes implementation work for the Aquaculture Reform Project, decisions on marine farms, providing advice to the Minister on applications for customary fishing areas (Mātaitai and Taiāpure), advice on fishery management closures such as those under section 186 of the Fisheries Act 1996, working with the Department of Conservation on implementation of the marine protected area policy and marine reserves, processing Special Permit applications, and regulation of freshwater fish farms.



David has worked for the Ministry of Fisheries since 2007 as a project manager and a senior analyst for the inshore fisheries. Before moving from Wales to New Zealand, David worked for 15 years for the Environment Agency in the United Kingdom as a fisheries and environmental scientist implementing the European Commission Water Framework Directive. All these roles have involved work on challenging resource management issues and have required working closely with stakeholders, who often have competing interests.

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## Applying marine spatial planning to New Zealand's seas

### ***Dr Hamish Rennie, Senior Lecturer Environmental Management and Planning, Lincoln University***

Hamish has been researching, writing and teaching marine spatial planning since the early 1980s. He has been a practicing commissioner, expert witness or Minister of Conservation appointee on regional coastal plan changes and consent hearings since the late 1990s. Hamish has a particular interest in coastal and marine planning, which he taught at Waikato University where he was Director of Environmental Planning, and which he pursues in his current position as Senior Lecturer (Planning) at Lincoln University.



Hamish has previously worked for the Ministry of Foreign Affairs and the Department of Conservation, particularly on the interface between planning and fisheries/aquaculture legislation, which was subsequently the focus of his doctoral research. He is a full member of the New Zealand Planning Institute. Hamish is also on the editorial boards of international journals *Coastal Management* and *MAST - Maritime Studies*, and of New Zealand's *Lincoln Planning Review* and *Planning Quarterly*.

### ***Robert Makgill, Director, North South Environmental Law***

North South Environmental Law is a specialist environmental law practice with offices in the North and South Island. Robert specialises in environmental and natural resource law.

Robert was legal counsel for the IUCN in the International Law of the Sea Tribunal's historic advisory opinion on state responsibility for deep sea mining in international waters. Robert is presently completing a PhD at the Ghent University in the Netherlands. His PhD research focuses on marine spatial planning and the governance of natural resources in international and sovereign waters.



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## NOTES

**STREAM A: AQUACULTURE****Venue: Epsom Room****Chair: Hon Sir Douglas Kidd** KNZM, LLB

The Honourable Sir Douglas Lorimer Kidd was educated at Victoria University, where he graduated with an LLB in 1964. After being admitted to the Bar as a barrister and solicitor, he joined the Blenheim law firm of Wisheart, Macnab and Partners in 1964 and practised as a partner until 1979. He was elected to the Marlborough Catchment and Regional Water Board in 1974 and re-elected in 1977, resigning on entering Parliament. He was appointed to the National Water & Soil Conservation Authority in 1976 and resigned upon entering Parliament. Holding positions on the National Party Marlborough Electorate Executive, as a Dominion Councillor, and as an electorate chairman for Marlborough, the Honourable Sir Douglas Kidd was elected the member of Parliament for Marlborough in 1978. Between 1980 and 1990, he chaired a number of parliamentary select committees and caucus committees.



In 1990, the Honourable Sir Douglas Kidd was appointed to Cabinet as Minister of State-Owned Enterprises, Minister of Fisheries, and Associate Minister of Finance, and he also chaired the Cabinet Expenditure Control Committee. In 1991, he was made Minister of Māori Affairs, retaining the Fisheries portfolio. He was appointed to the Fisheries, Energy, and Labour portfolios, was the chair of the Expenditure Control and Revenue Committee following the 1993 general election, and from 1995 also held the ACC portfolio. He was made Speaker in 1996 and became a Distinguished Companion of the New Zealand Order of Merit in June 2000. He retired from Parliament at the 2002 election.

The Honourable Sir Douglas Kidd was appointed to the Waitangi Tribunal in 2004 and is now in his third term.

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**Māori aspirations for aquaculture*****Keir Volkerling, Consultant***

Keir has considerable experience in iwi development, with a focus on natural resource issues. For some years his work has been principally with Ngātiwai in Northland, but he has also worked on a range of regional and national iwi issues. Keir was on the Technical Advisory Group that recommended reform of the aquaculture regime. He is currently in a group working on mechanisms to deliver the 20 per cent settlement space in the new regime.

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## The potential environmental impacts of aquaculture

### ***Dr Shane Kelly, Director, Coast and Catchment Limited***

Shane operates Coast and Catchment Limited, an independent environmental consultancy. He has a relatively diverse range of work experience, with a strong emphasis on applied marine science and resource management. Shane has been directly involved in, and has published research on: reef ecology, marine conservation, fisheries, aquaculture, resource management, and contaminant management.

For five and a half years, Shane worked as a Project Leader/Principal Advisor in Environmental Research and Monitoring at the Auckland Regional Council, where he managed a number of major research, monitoring, and strategic programmes. These included marine ecology, marine water quality, sediment contaminant, stormwater discharge and shellfish contaminant monitoring programmes.

Shane has conducted research on sponge and mussel culture, and has provided technical advice to regulatory agencies and marine farmers. He was involved in the initial development of policy related to fish farming in the Waikato Region, and assisted with coastal use and values mapping in the Auckland and Waikato Regions. Shane has also carried out impact assessments for marine farmers, and provides aquaculture consent advice and monitoring services.



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## Implementation of aquaculture reforms

### ***Daniel Lees, Director, Aquaculture Unit, Ministry of Fisheries***

Dan is the first director of the Aquaculture Unit which was established in 2010. The Unit is the lead agency on aquaculture across central government and works with the aquaculture industry, local government, environmental NGOs, iwi and other groups with an interest in New Zealand's coastal waters.

Prior to taking this role, Dan held various positions within the Ministry of Fisheries including Aquaculture Manager and Central Inshore Fisheries Manager. In these roles, Dan made over 200 decisions on new aquaculture sites and worked on the development of international standards for wild catch fishing and aquaculture.

Dan completed a Bachelors degree (honours) in marine biology and a Masters degree in resource management and conservation in 1996 at Bangor University in the United Kingdom. He then worked for two years as a guide for a number of international trekking companies, mostly in the Himalayas. Dan has also worked in New Zealand on contract for the Department of Conservation, Tasman District Council and Royal Forest and Bird Protection Society.



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## A legal perspective on the aquaculture reforms

### ***Richard Brabant, Barrister***

Richard has over 25 years' experience in town planning, water and soil, and resource management work. His practice has covered all aspects of town planning and resource management work, including extensive experience in conducting appeals in the Planning Tribunal and Environment Court, and appeals on points of law to the High Court and Court of Appeal. He has wide experience in applications, plan changes and appeals relating to the coastal marine area. For over 15 years, Richard has represented recreational boating interests and other internal groups including Yachting NZ in hearings concerning marine farming.



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## NOTES

**STREAM B: OFFSHORE PETROLEUM AND MINERALS****Venue: Plenary Session Room****Chair: Bronwen Golder, Director of the Kermadecs Initiative of the Pew Environment Group**

The Global Ocean Legacy programme promotes the designation of large, fully protected marine reserves.

Before joining Pew Environment Group, Bronwen spent almost 20 years working for WWF International (based in Geneva, Brussels, Wellington and Santiago, Chile). Bronwen's work with WWF focused on the design and implementation of large scale conservation planning and action through the facilitation of public private sector partnerships, transboundary political alliances, and introduction of innovative market instruments.

Before joining the conservation community Bronwen worked for a Corporate Bank in New York and then the New Zealand Department of Labour (Community Employment). From 1990-1992 Bronwen was seconded from the Department of Labour to the office of the Minister of Employment and Business Development.

**Development of offshore petroleum****John Pfahlert, Executive Officer, Petroleum Exploration and Production Association**

John graduated from the University of Canterbury in 1984 with an MSc (Hons) in Geography, specialising in coastal studies. John's early career involved five years with the Department of Conservation's head office where he administered the granting of prospecting and mining licenses. Since 1991, he has worked in the field of natural resource development, holding executive positions for resource-based trade associations representing the mining, fishing, civil contracting, building and petroleum industries.

**Potential impacts of deep-sea exploration and mining****Dr Alison MacDiarmid, Group Manager and Principal Scientist, Marine Ecology, NIWA**

Alison has 23 years' experience in undertaking research in marine habitats around New Zealand. For many years her main focus was on the effects of fishing on the reproductive potential of exploited populations.

More recently, Alison's research has focused on the assessment of human threats to New Zealand marine habitats from saltmarsh to the abyss. She has also developed tools that regional councils can use to assess the importance of marine habitats in relation to regional and national criteria.



Alison is currently engaged in baseline studies for mining companies interested in exploiting seabed resources.

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## Findings of comparative review of health, safety and environmental legislation for offshore petroleum operations

### ***Helen Atkins, Partner, Atkins Holm Majurey Limited***

Helen (LLB (Canterbury)) is a partner at the specialist environmental and public law firm Atkins Holm Majurey. She specialises in local government, public, and environmental law and acts for a range of clients from the public, non-governmental organisations and private sectors. Helen has extensive experience and involvement in the chemical industry in New Zealand. She is a current Board member of the Environmental Risk Management Authority (ERMA) and has chaired the Hazardous Substances Committee of ERMA for the last four years.



### ***Vicki Morrison, Senior Associate, Atkins Holm Majurey Limited***

Vicki (B.Com (Auckland), LLB (Waikato)) is a senior associate at the specialist environmental and public law firm Atkins Holm Majurey. Vicki specialises in the areas of local government, environmental and Māori law and has acted for a variety of government, local government and corporate clients.

Vicki has previously held in-house counsel roles in both local government and corporate entities. Vicki was heavily involved in the preparation of the Offshore Petroleum report for the Ministry of Economic Development.



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## Adequacy of current legal framework

### ***Professor Barry Barton, Faculty of Law, University of Waikato***

Barry is a Professor of Law at the University of Waikato and specialises in energy and natural resources law. He has particular research, teaching and consulting interests in energy efficiency, mining law, regulation, and investment certainty. He is a member of the Council of the Section on Energy, Environment, Resources and Infrastructure Law of the International Bar Association. He is a member of the Council of the University of Waikato.



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## NOTES

**STREAM C: COASTAL AND LAKESIDE DEVELOPMENT****Venue: Auckland 1****Chair: Justine Brennan, Acting Manager, Planning Frameworks, Bay of Plenty Regional Council**

Justine Brennan began her career as an environmental consultant working with the aquaculture industry in the Marlborough Sounds throughout the 1990s. She is currently a senior coastal planner with Bay of Plenty Regional Council where she is responsible for developing the coastal policies of the next Regional Policy Statement and the upcoming review of the Regional Coastal Environment Plan.

Justine is actively involved in consultation with central government policy as a member of the New Zealand Coastal Policy Statement implementation steering group and a member of the expert review panel for the 2011 Aquaculture Reforms. She holds a BSc from Canterbury University and a post graduate diploma in Environmental Science.



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**The coastal and lakeside property market story****Rodney Dickens, Managing Director, Strategic Risk Analysis Limited**

Before founding Strategic Risk Analysis in 2006, Rodney was Group Strategist and Head of Research at ASB. He has been a member of the Reserve Bank's Monetary Policy Committee and researched international interest rate behaviour at the Bank of England. Rodney has also been Chief Economist at a commercial bank and New Zealand Head of Research at two international investment banks.

Over the past 30 years, Rodney has developed a unique analytical framework based on leading indicator analysis, a hands-on understanding of how many industries and markets work, and sound judgement about human behaviour. This analytical framework enables him to provide definitive analysis and forecasts for the housing market, residential building, consumer spending, economic growth and interest rates.

During his time at ASB, Rodney developed a keen interest in the coastal property market and has since analysed and written reports on many of New Zealand's coastal and resort property markets.



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**Lessons learned from recent coastal developments****Evan Williams, Chief Executive Officer, Williams Land Limited**

Formerly a law lecturer, commercial lawyer and chairman of a large national law firm, private investment partner and barrister, Evan Williams has founded a number of companies developing large areas of waterfront land in Fiji and New Zealand. His waterfront projects in New Zealand include Mataka Station (2000) and Wiroa Station (2007) in the Bay of Islands, Bream Tail (2004) at Mangawhai and Weiti (2006) near Auckland. All of those projects have required management of the most complex issues within the coastline.



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## Protecting natural and cultural landscapes in Akaroa

### *Victoria Andrews, Akaroa Civic Trust*

Victoria has resided in Akaroa since 1995 after leaving the United States. She came to New Zealand following a career in museums, heritage and the arts. She joined the Akaroa Civic Trust in 1995 and has served on the Board since then. She worked with New Zealand Historic Places Trust to secure the designation of Akaroa's Historic Area in 1999 and also serves on the Akaroa Design and Appearance Advisory Committee.

As the Trust's Secretary, Victoria has worked to prevent adverse development in coastal landscape areas around Akaroa Harbour, including the Trust's successful appeal to the Environment Court against development on Red Point. She also worked for more than ten years with the Onuku Runanga to secure the protection of the land at Takapuneke, one of the country's most important historic sites in the country on the shore of Akaroa Harbour. Victoria was awarded the 2010 Heritage Advocacy Award.



### *Steve Lowdnes, Akaroa Civic Trust*

Steve is Chair of the Akaroa Civic Trust which was established over forty years ago. The Trust has worked towards the protection of the built heritage of Akaroa and towards the protection of coastal and rural landscapes.

Steve's background lies in the areas of museum management and local government and he currently plays a governance role on several boards which include arts facilitation, conservation and health as well as heritage protection.

Steve's presentation with Victoria Andrews sets out to provide an overview of the current planning environment and illustrate some of the realities involved in picking a fight with RMA professionals. Nothing is prohibited in the Banks Peninsula District Plan and there is always somebody who wants to push the boundaries.



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## Lessons learned from managing lakeside development in the Taupo District

### *Rowan Sapsford, Sinclair, Knight, Mertz*

Rowan has over 12 years' experience in managing policy projects in both New Zealand and the United Kingdom. Prior to moving to SKM, he was the Environmental Policy Team Leader at Taupō District Council, responsible for managing the Taupō District Plan and associated strategic and structure planning work.

Rowan's work at the Council included developing strategies and policy to respond to the significant urban growth pressures and associated challenges that the District has been experiencing. He developed structure plans to manage urban growth around the Taupō District and developed policies for the protection and management of the many areas of significant natural value and important landscapes that give the District its iconic status. This was challenging work in a location that demanded quality outcomes.



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## NOTES

**STREAM D: LAND-SEA INTERFACE****Venue: Auckland 2****Chair: Wayne McNee, Chief Executive, Ministry of Agriculture and Forestry; Acting Chief Executive Ministry of Fisheries**

Wayne joined MAF as Director-General on 20 November 2010. Prior to this, Wayne was Chief Executive of the Ministry of Fisheries. In this role, he was responsible for managing fisheries resources worth approximately \$1.6 billion per annum. Among his achievements, was his leadership of the development of “Fisheries 2030” – a long-term strategy and action plan for the sector. He also took the lead in reforming New Zealand’s aquaculture law and developing a strategy to deliver on the Ministry’s obligations to Māori.



Before joining the Ministry of Fisheries, Wayne was Chief Executive of the Pharmaceutical Management Agency (PHARMAC), a position he had held since 2001. For 18 months, ending in December 2007, Wayne was seconded to the Department of the Prime Minister and Cabinet, where he was a policy advisor primarily on transport, local government and energy policy.

Wayne has a bachelor degree in pharmacy and a post-graduate diploma in clinical pharmacy, both from the University of Otago. He has undertaken leadership and management programmes at Oxford University and Stanford Business School.

**Agriculture and the coastal environment: A community approach to improving water quality****Mike Jebson, Director Natural Resources Policy, Ministry of Agriculture and Forestry**

Mike’s Group advises the government on major sustainable land and natural resource issues relating to the primary sectors. The work includes advice on water policy and infrastructure, climate change, sustainable land use, and other environmental issues affecting primary sectors.

Mike’s Group includes two Wellington-based policy teams, staff based in the South Island, the Sustainable Farming Fund, the Community Irrigation Fund and the Sustainable Land Management Hill Country Erosion Fund.

Mike has a Masters Degree in Resource Management from the University of Canterbury and grew up on a sheep and beef farm near Sheffield.

**Influence of rivers on coastal ecosystems: A case study of Tasman Bay****Dr Chris Cornelisen, Cawthron Institute**

Chris has particular expertise in estuarine and coastal processes. Over the past 15 years his research topics have included beach renourishment and the physical behaviour of sea turtle nesting beaches, nutrient dynamics in tropical coastal ecosystems, and primary production and food-web connectivity in Fiordland. Chris also spent two years evaluating the effectiveness of coastal habitat restoration initiatives throughout the Gulf of Maine as a Coastal Management Fellow for the US National Oceanic and Atmospheric Administration.

More recently, Chris has contributed to coastal research conducted as part of the 10-year Motueka River Integrated Catchment Management programme. Taking a “ridge tops to the sea” approach, research outcomes have demonstrated the role of river plumes in the transport and fate of multiple contaminants in the marine environment. They have highlighted the importance of considering land-sea linkages in ecosystem-based plans and the management of marine ecosystems and resources.



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## Managing sedimentation and discharge of contaminants: A limits-based approach

**Dr Malcolm Green, Principal Scientist, Coastal Physical Processes, NIWA**

Malcolm has a PhD from the Virginia Institute of Marine Science, and prior to working at NIWA, was a Senior Research Associate at the University of Cambridge, working on sediment dynamics in the North Sea and Irish Sea.

Most recently, Malcolm has been developing models to predict sedimentation and heavy-metal accumulation in estuaries. These have been applied in several large studies in the Auckland region to predict environmental outcomes under different land use scenarios and contaminant mitigation schemes. He is currently leading a programme funded by the Ministry of Science and Innovation researching ways of managing cumulative effects of contaminants on aquatic ecosystems.



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## Strategy and Impact – why it’s the thought that counts

**Annette Lees, Conservation and Development Consultant**

Annette Lees has 25 years of experience working in New Zealand and the South Pacific on conservation, environment and development issues. Pertinent to this conference, she has worked in the field of catchment management planning in New Zealand with a particular focus on the strategic design and review of programmes.



4.30pm

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## SESSION 9: FUTURE DIRECTIONS

**Chair: Gary Taylor, Chairman, Environmental Defence Society** (See bio page 6)

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### Marine and Coastal Area (Takutai Moana) Act 2011: Key issues for councils and resource users

**Derek Nolan, Partner, Russell McVeagh**

Derek Nolan LLB (Hons) LLM (London) has been a partner of Russell McVeagh since 1984 and is a member of the firm’s environmental and resource management law group. He is a past president of the Resource Management Law Association, a past convener of the New Zealand Law Society Environmental Law Committee and the editor and author of Environmental and Resource Management Law (LexisNexis, third and online editions.)

Derek advises port companies, waterfront and marina clients and other industries and infrastructure clients active on the coast and appeared on behalf of the New Zealand Law Society before the Select Committee on the Marine and Coastal Area (Takutai Moana) Bill.



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## Key points on the way forward from concurrent sessions

### Session chairs

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### Open Forum

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### Connecting the threads

**Rod Oram, Business journalist** (See bio page 6)

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## NOTES