

From Careful to Compensation

Gaining ecological outcome efficiencies for the extractive sector

Ian Boothroyd

Adam Willetts

The elephant in the room

We love rocks too!



Challenges



Increasing costs



Need for efficiencies



Reform changes



Local community
expectations



Over-cooking
environmental outcomes



Within or near
ecological hotspots

RMA reform

**RMA reform
will affect you!**

**Talk to us for
practical advice**

We'll be at the 2026 QuarryNZ Conference

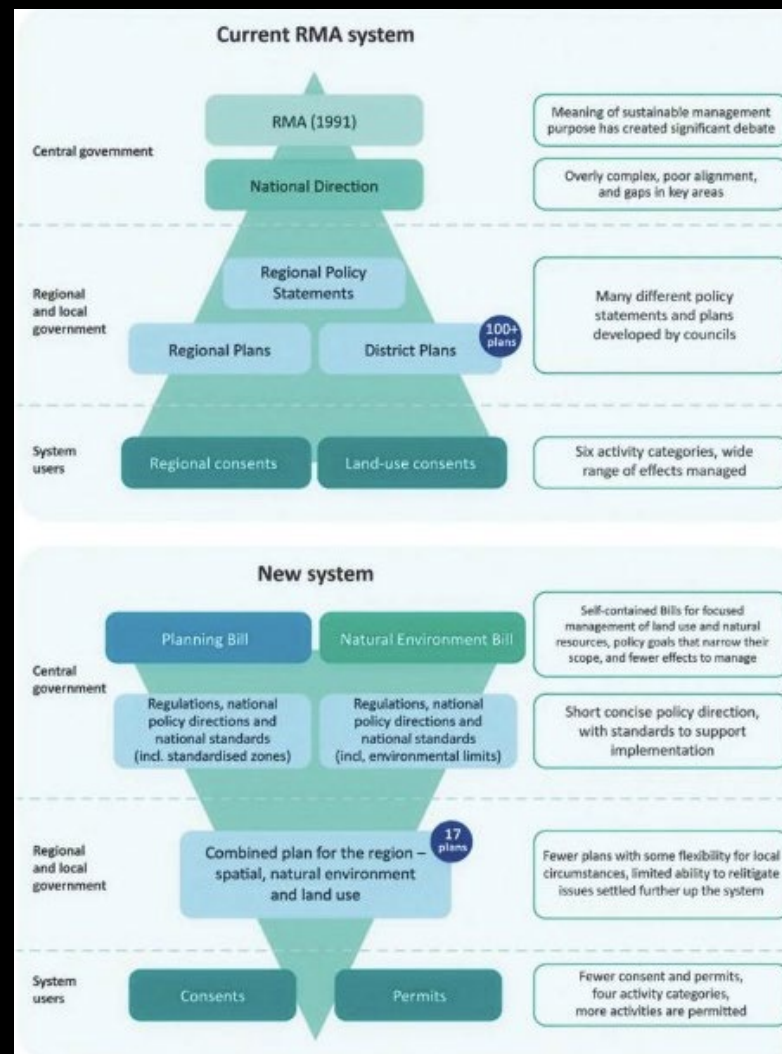


Together | Shaping better places

www.boffamiskell.co.nz

Planning | Ecology | Te Hihiri (Cultural Advisory) | Engagement |
Biosecurity | Landscape Planning | Nature and Climate Change |
Landscape Architecture | Urban Design | Transportation Planning

Martha Mine, Waihi. Photo by Leonie Clough on Unsplash



Effects management hierarchy



If biodiversity compensation is not appropriate the activity itself is avoided.

Biodiversity offset/compensation

**Mitigation of adverse ecological effects -
Safeguarding ecological values.**

Conventional biodiversity offsets

- Plant out an area to increase area of vegetation/habitat
- Enhancement planting within existing vegetation

Alternative approaches

- Funding local environmental programmes/projects
- Funding environmental research
- **Pest management** as compensation (onsite or offsite)



Pest management as compensation

High effects mitigation
value

Stand alone or part of
wider ecological
management

Protect existing habitats/
ecological values

Easily scalable

Support existing local
programmes

- Extend existing programme as an offset
- Fund existing or new programme as compensation

Atlas Quarry Expansion - Brynderwyn

Traps:	81		
Bait stations:	99		
Monitoring stations:	68		
	Total	365 days	30 days
Possum:	229	116	7
Rat:	105	51	1
Mustelid:	13	12	2
Hedgehog:	4	4	0
Other:	51	22	1
Total:	402	205	11

100 m







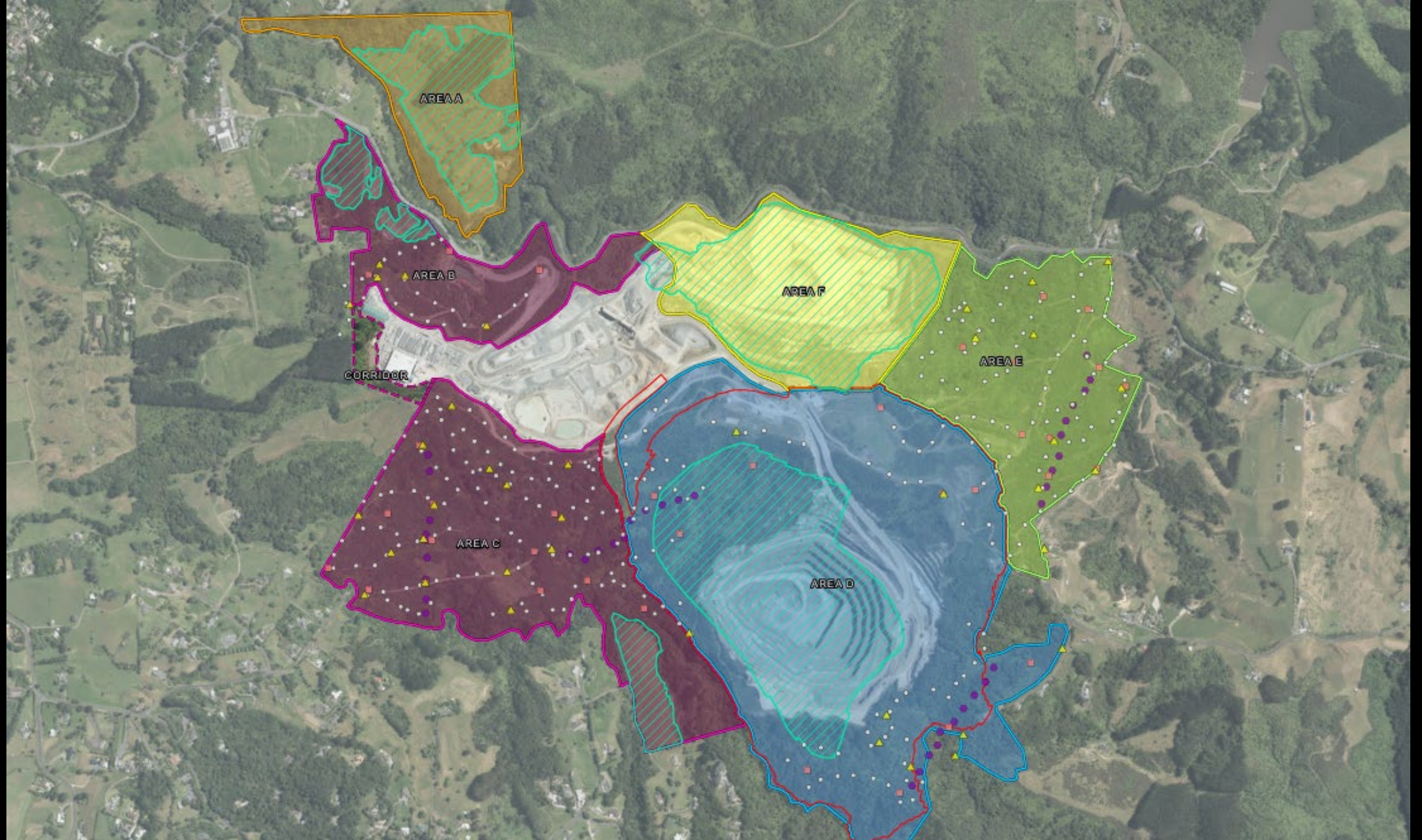








Hunua Quarry Development



Our unique, smart AI tech



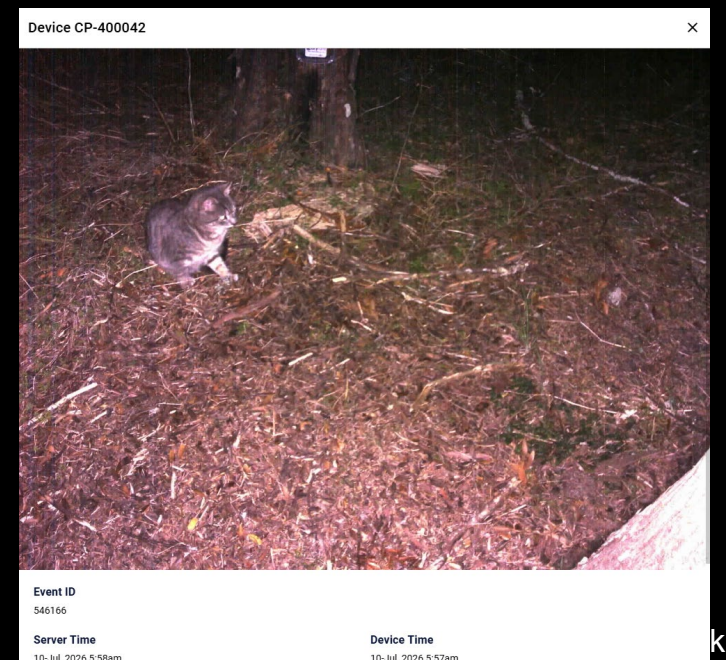
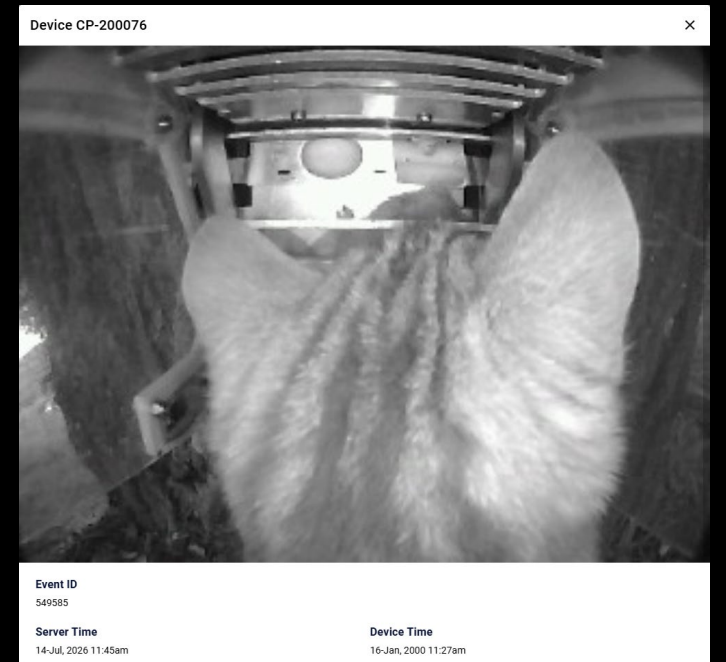
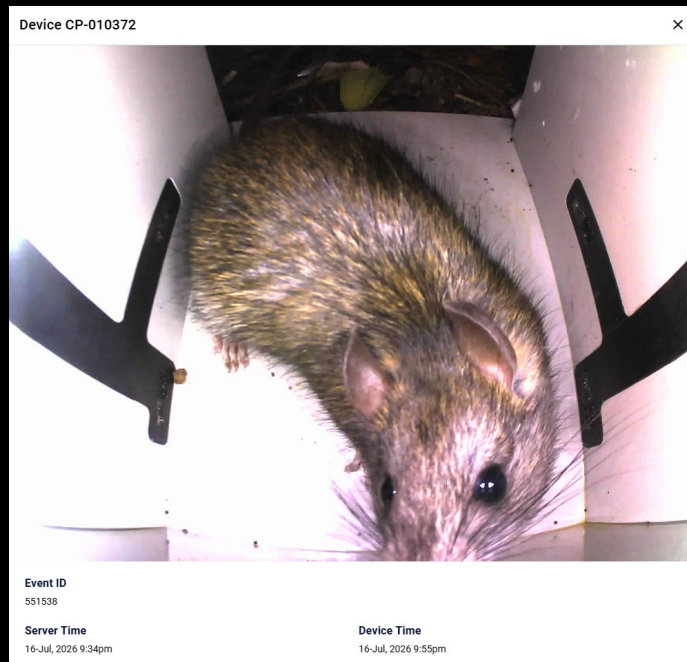
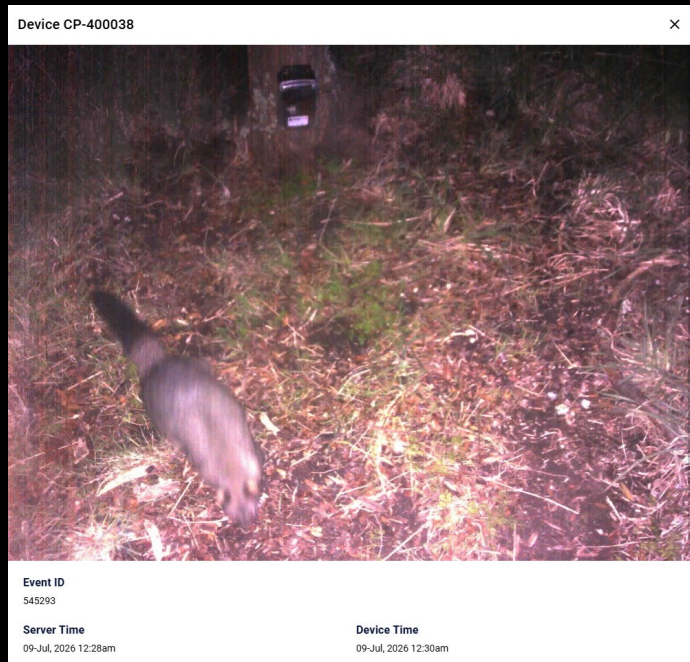
Smart AI Multi-trap



Smart AI OWL Camera



Smart AI Critter Pic



Boffa Miskell's unique biosecurity capability

Dedicated biosecurity team

Mana whenua & stakeholder engagement

Research-driven expertise

Project management

Pest management technology

Contract administration

Strategic planning & baseline monitoring

Pre-tender documents

Bespoke management plans

Evidence and hearings

Benefits of this unique packaged approach



Our Team



IAN BOOTHROYD

Senior Ecologist
Partner



TANYA BLAKELY

Senior Ecologist
Partner



MARCUS GIRVAN

Biosecurity Project Manager
Partner



LEE SHAPIRO

Ecologist and Biosecurity Consultant
Senior Principal



ADAM WILLETTS

Biosecurity Consultant,
Senior Professional



HELEN NATHAN

Biosecurity Consultant
Senior Professional



SIAN REYNOLDS

Biosecurity Consultant
Associate Principal



BRENT ROHLOFF

Biosecurity Consultant
Principal

Biosecurity = 14

Climate Change and Nature = 2

Ecology = 32

Engagement = 1

Landscape Architecture= 75

Landscape Planning = 15

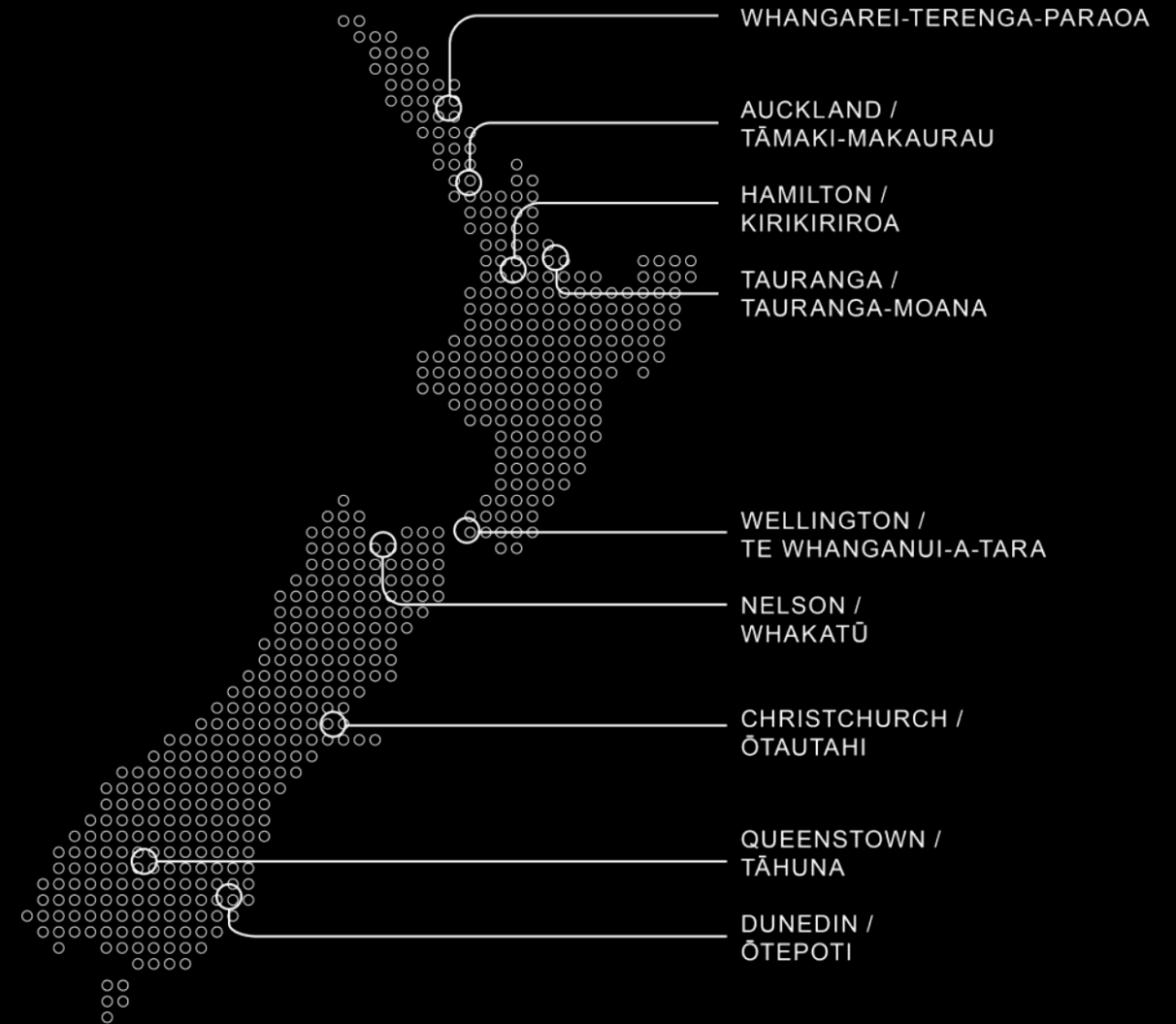
Planning = 28

Te Hīhiri Cultural Advisory = 4

Technical Services & Digital = 11

Transport Planning = 2

Urban Design = 14



Solution Station

Booth #75

Talk to us for practical advice



GEOFF ENGLAND

Senior Planner
Senior Principal



EMMA MCRAE

Senior Landscape Architect
Senior Principal



RALPH HENDERSON

Senior Planner
Senior Principal

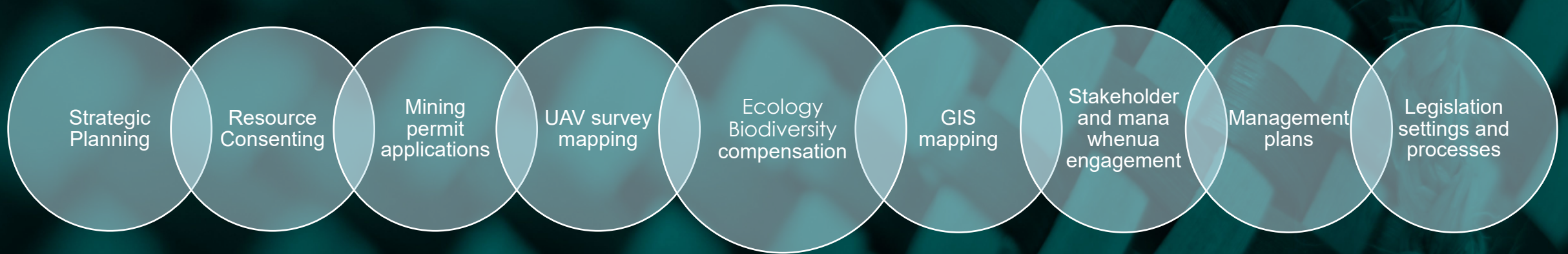


CLAIRE KELLY

Senior Planner
Senior Principal



What we do for the Industry



Thank you – any questions?

Ian Boothroyd

Ian.Boothroyd@boffamiskell.co.nz

Adam Willetts

Adam.Willetts@boffamiskell.co.nz