

# Business & Ecosystems

## Identifying Risks and Opportunities

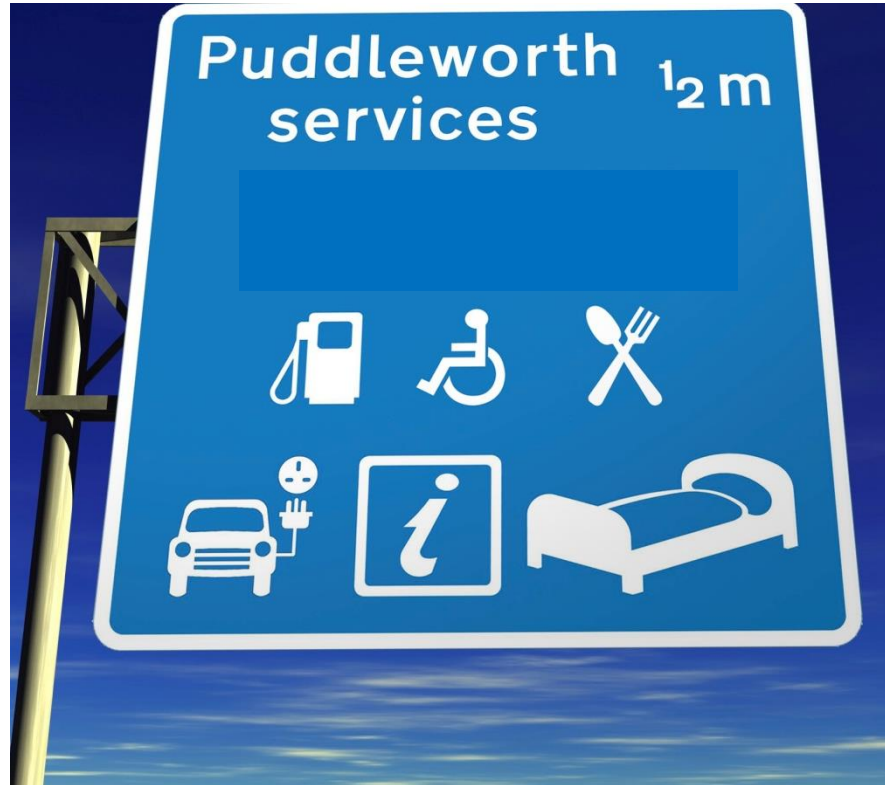
*Richard Gordon & Suzie Greenhalgh*  
*Landcare Research*



Department of Conservation  
*Te Papa Atawhai*



**Landcare Research**  
**Manaaki Whenua**



# Ecosystem

~~Buddleworth~~  
services

1/2 m



# Classifying Ecosystem Services

<b>PROVISIONING</b> <i>Products obtained from ecosystems</i>	<b>REGULATING</b> <i>Benefits from regulation of ecosystem processes</i>	<b>CULTURAL</b> <i>Non-material benefits obtained from ecosystems</i>
Biochemical, natural medicines & pharmaceuticals Food & Fibre Freshwater Fuel Genetic Resources Ornamental Resources	Air Quality Maintenance Biological Control Climate Regulation Erosion Control Disease Regulation Pollination Storm Protection Water Purification Water Regulation	Aesthetic Values Cultural Heritage Values Cultural Diversity Educational Values Inspiration Knowledge Systems Recreation & Ecotourism Sense of Place Spiritual & Religious Values Social Relations
<b>SUPPORTING</b> <i>Services necessary for the production of all other ecosystem services</i>		
Nutrient & water cycling Primary production Production of atmospheric oxygen		Provisioning of habitat Soil formation & retention



“So we’ve managed our company’s **environmental impacts**.  
Shall we move on to arrangements for the Christmas party?”

# Why business should care about Ecosystem Services



Businesses **impact** on ecosystems and ecosystem services



Ecosystem change creates business **risks** and **opportunities**



Businesses **rely and depend** on ecosystems and ecosystem services



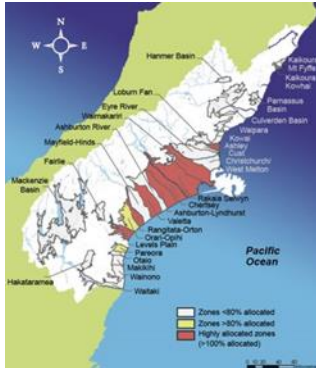


**A drought has no effect  
on the N.Z economy**

**Yeah right.**



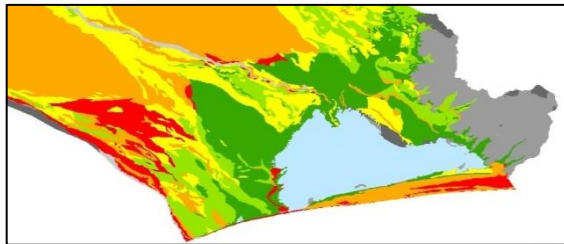
# How might these impact your business?



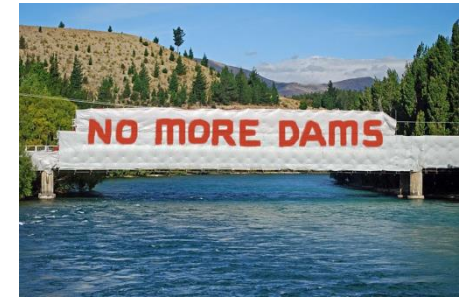
**Community**  
social licence



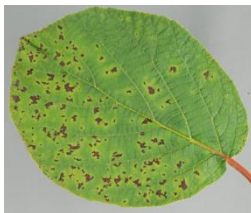
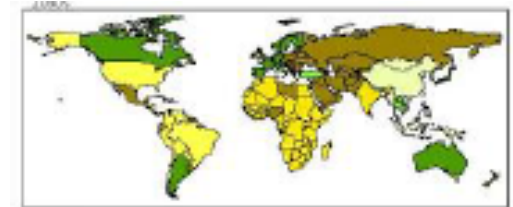
**Competition**  
for land & inputs



**Compliance**  
e.g. nutrient limits



**Climate Change**  
e.g. crop production



**Condition**  
ecosystem health





**Ecosystem Services:**  
where do they feature  
in your value chain?



**Sustainable  
Business Council**



wbcSD

New Zealand partner to the world business council  
for sustainable development

Action2020

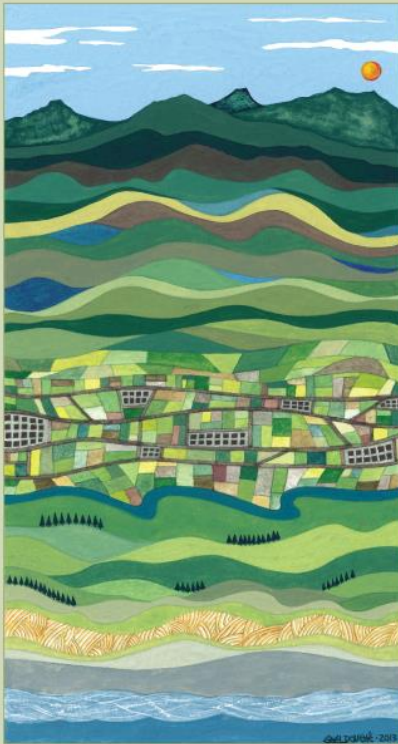


## **SBC Members' Actions**

- Raise the profile of EH
- Highlight exemplars
- Adopt tools (ESR) to assess and manage EH



## ECOSYSTEM SERVICES IN NEW ZEALAND



**Landcare Research**  
**Manaaki Whenua**

A Crown Research  
Institute

Science & solutions  
for the sustainability  
of our natural assets

Manaaki Whenua – Manaaki Tangata  
Care for the Land – Care for the People