



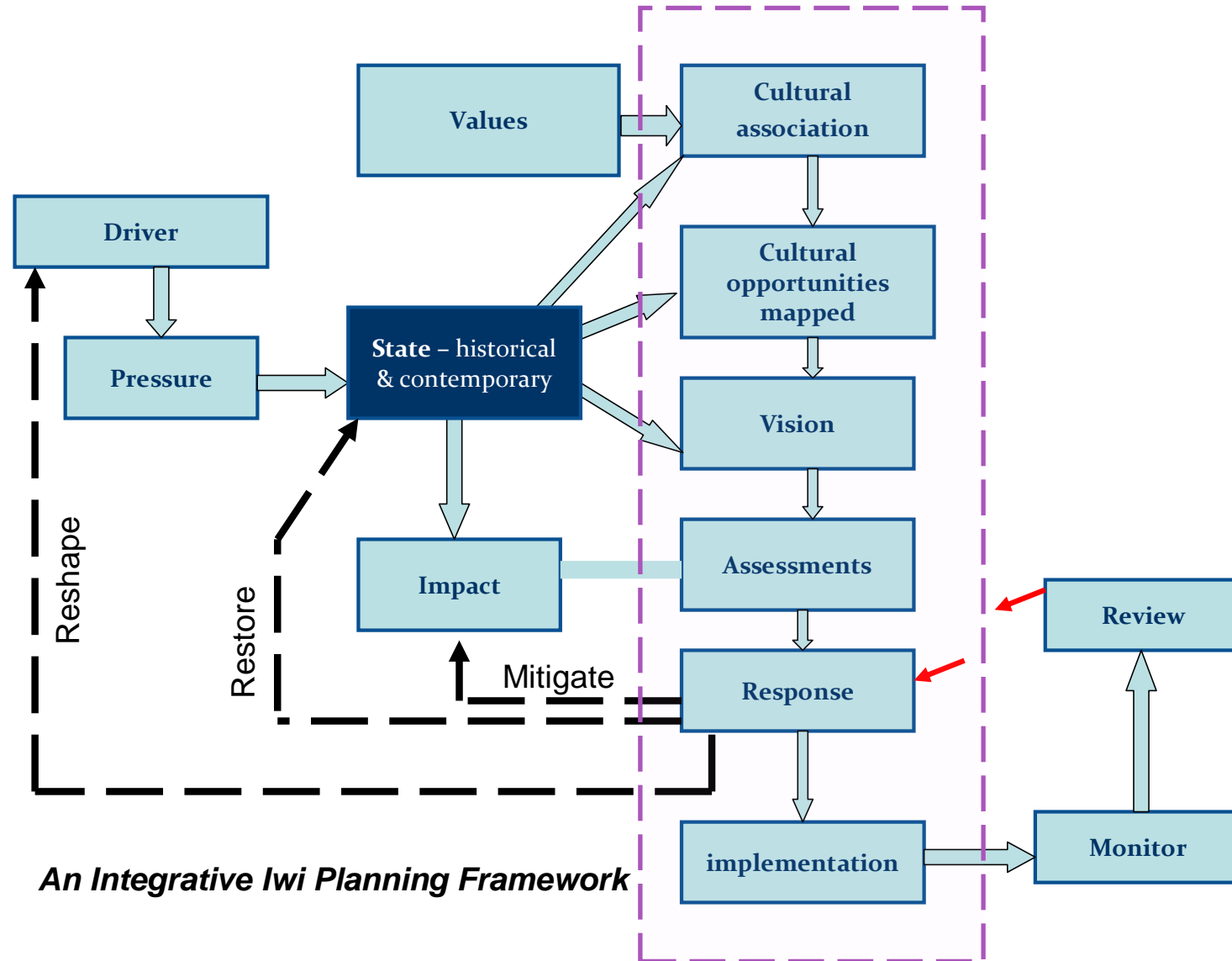
## **Integrating Maturanga Maori into planning across multiple scales – regional, district and site management planning**

G. Tipa, K. Nelson, M. Tipa, M. Home,

# Whanau have moved from uncoordinated

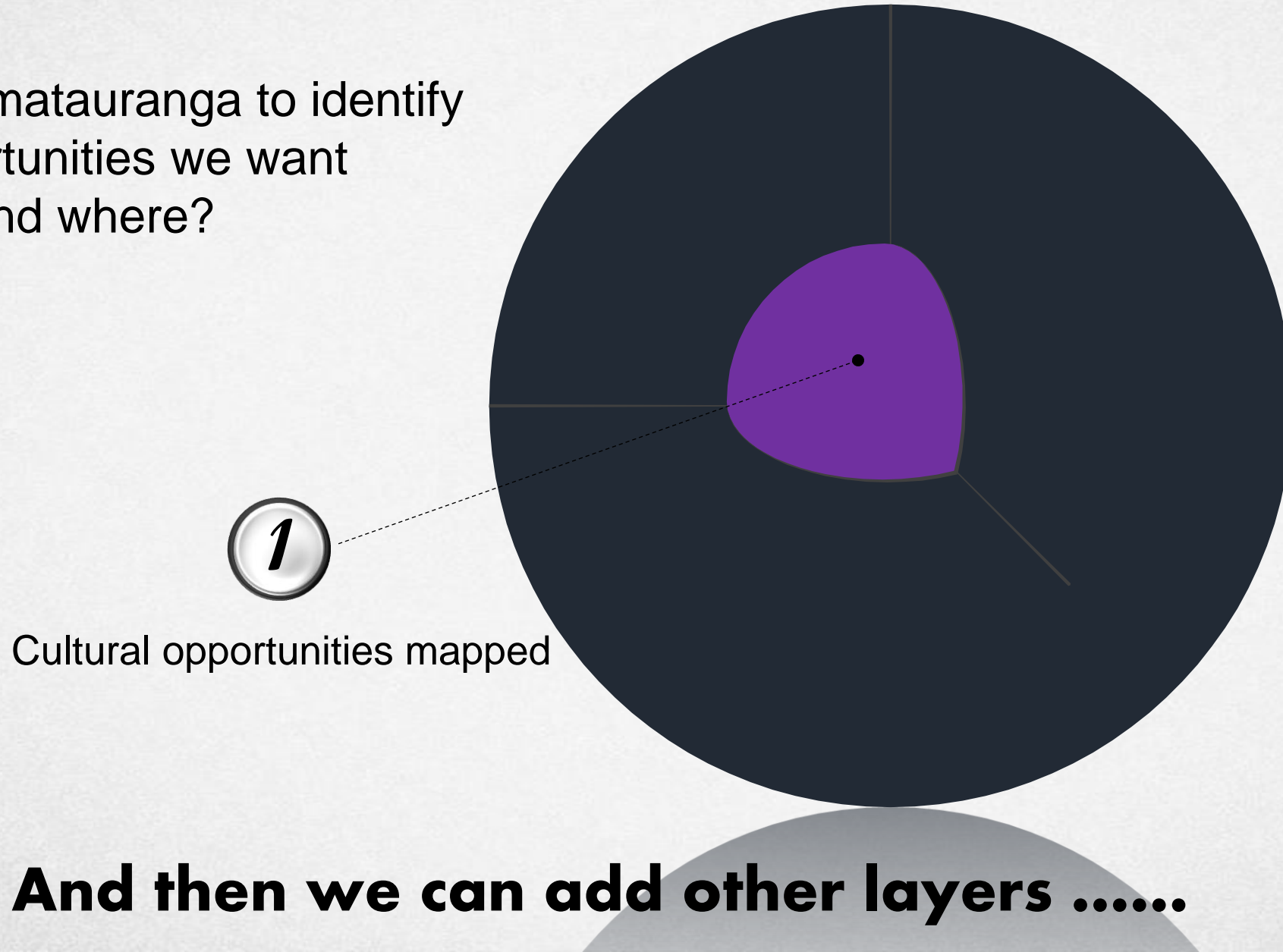


# To a focus on delivering opportunities we want



# Step 1 - At our core are our values & our practices – mapping

Using our matauranga to identify what opportunities we want provided and where?





## Step 1: Cultural mapping - Waitaki



So we know our “reference condition”

## STEP 2. We assess whether or not opportunities sought are being provided?

Where?

Why not?

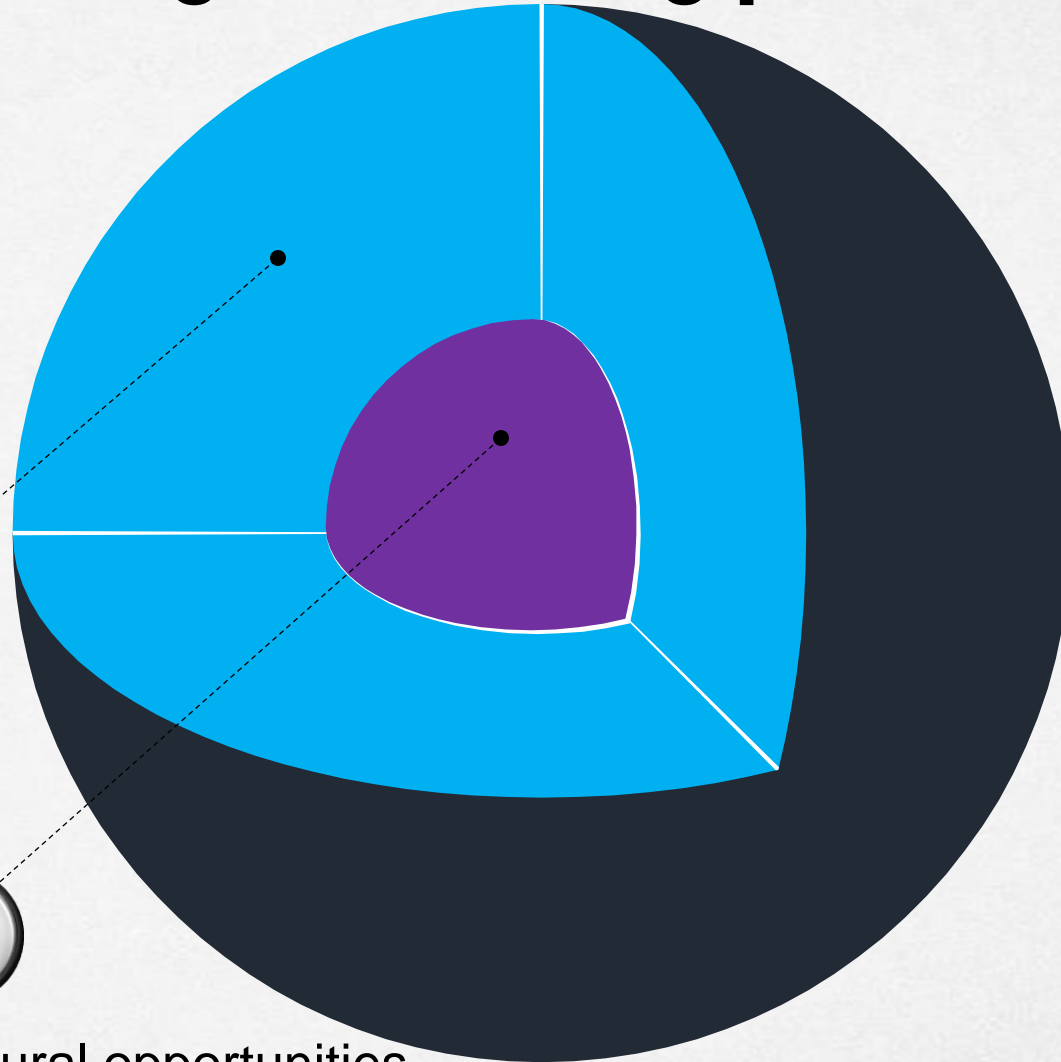
Can any barriers / obstacles be overcome?

**2**

Undertake cultural assessments

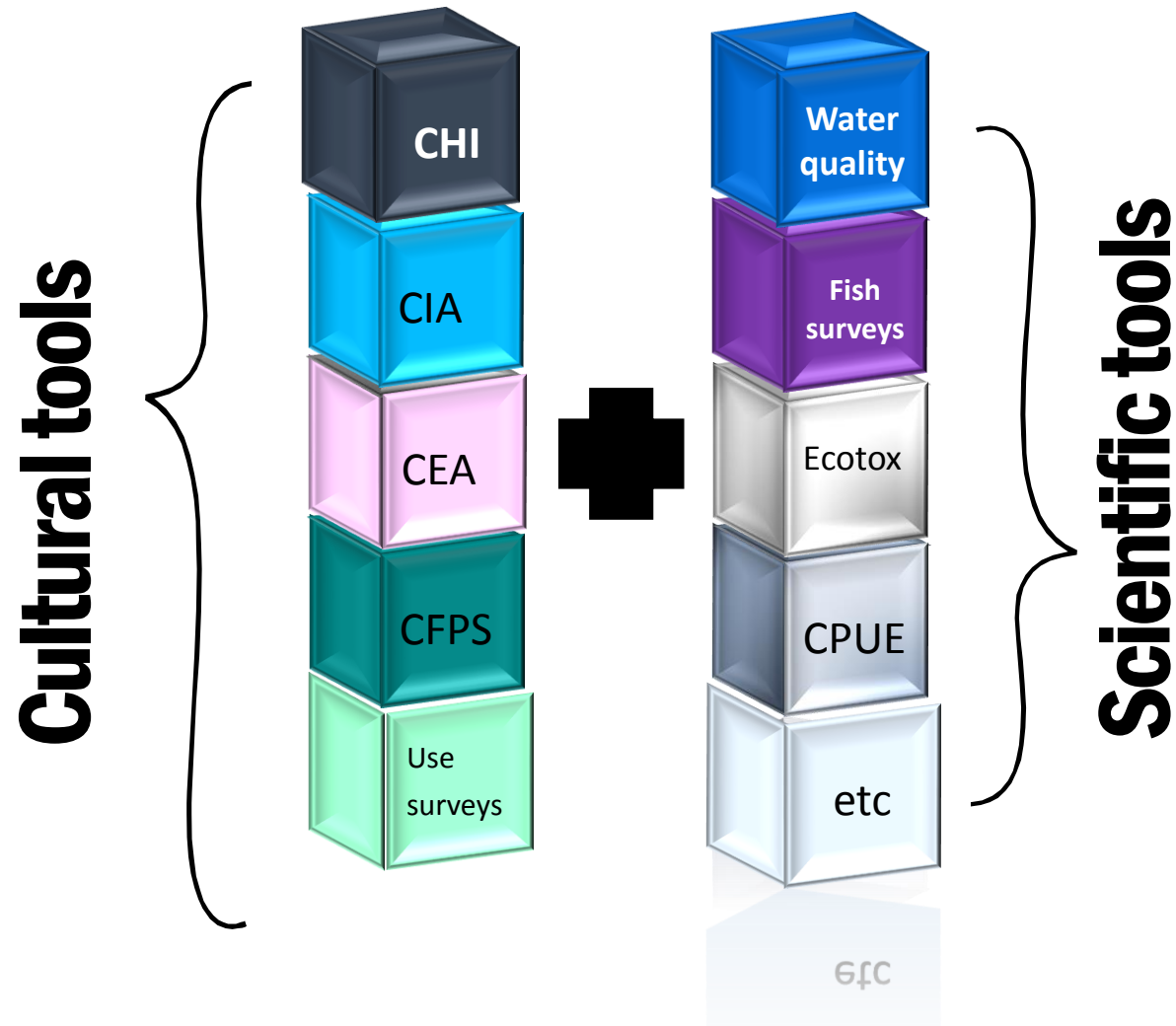
**1**

Map cultural opportunities



**We use a range of tools – it is not one tool or one method. The strength comes from choosing the best tool for the job and the scale we are working at.**

**For example:**



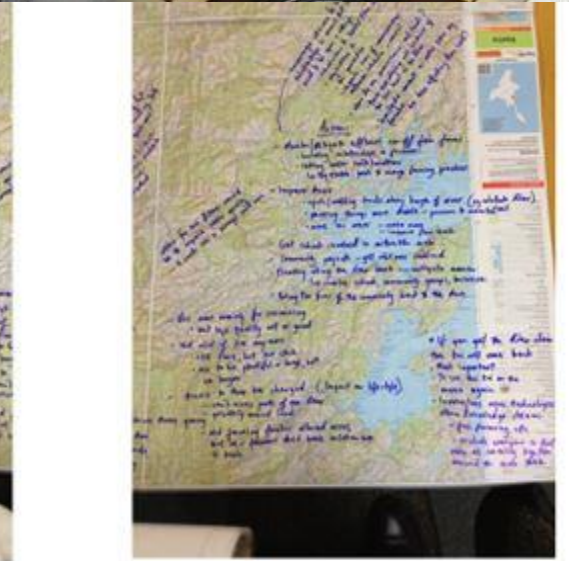


# Using matoranga to assess sites - Cultural Health Index





# We follow-up concerns re aquatic health



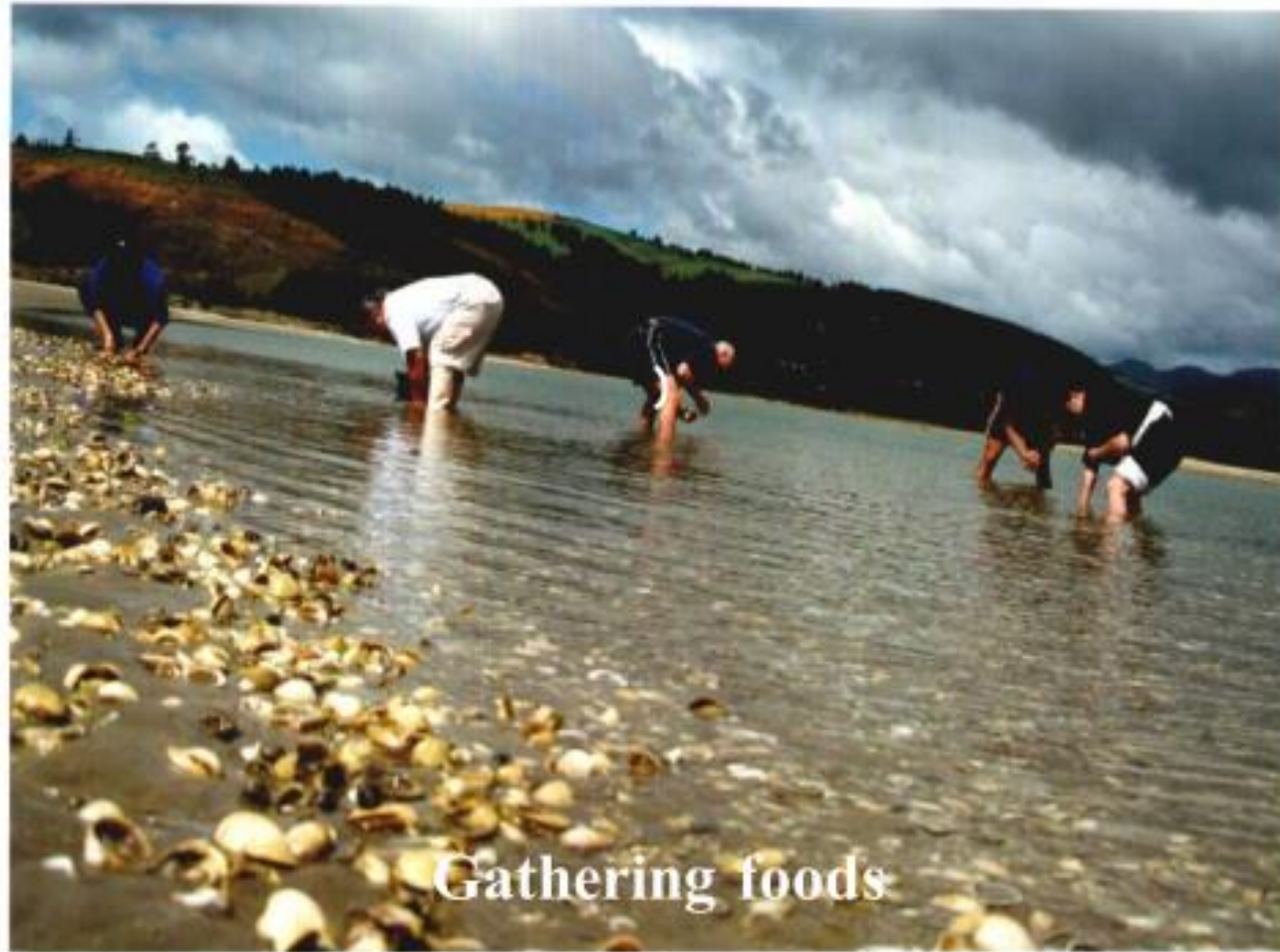


# Using our matauranga to investigate flows



**We have completed Cultural Flow Preference Studies for  
more than 40 rivers and streams**

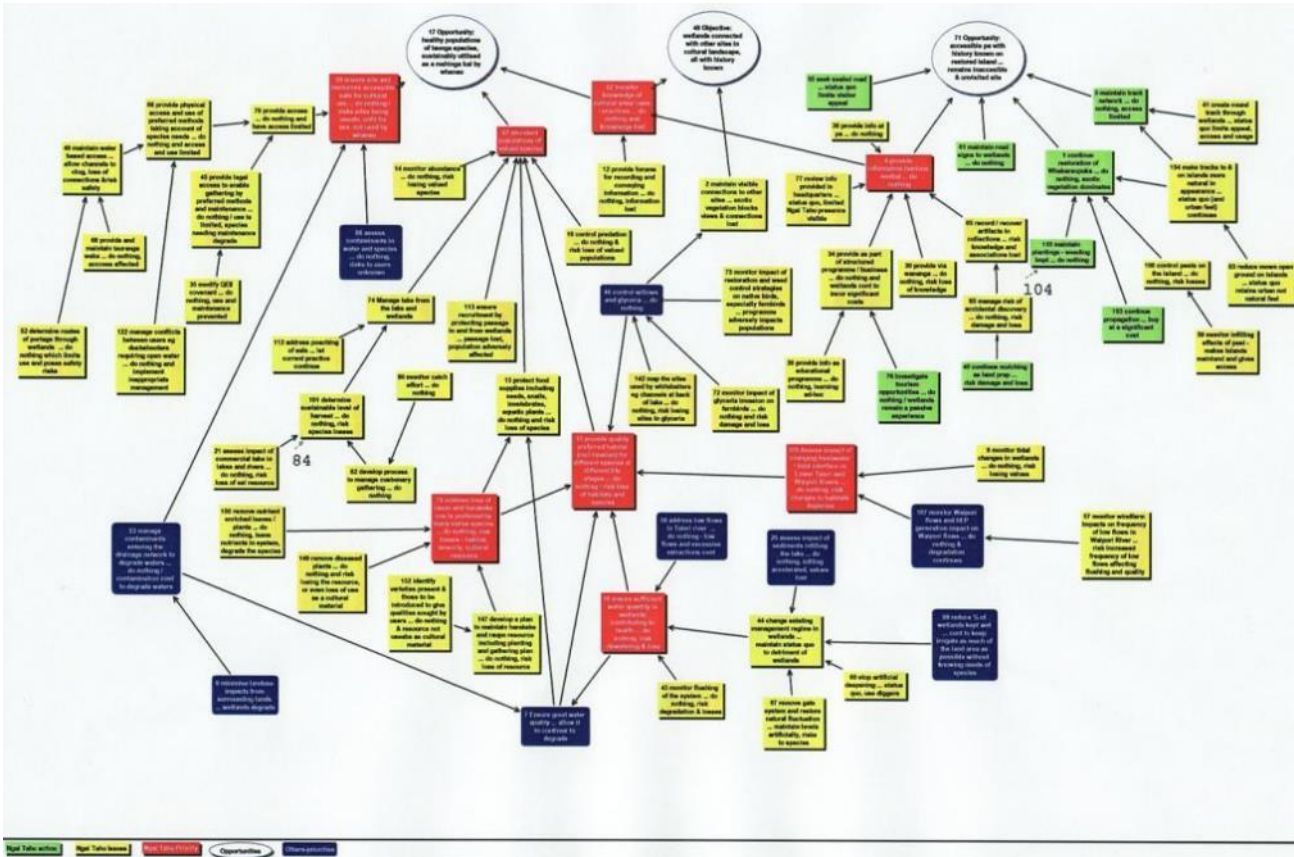
# **We follow-up concerns re safety of kai**



**What is gathered, from where, how much is eaten, how often, how is it prepared = what is the health risk**



# We examine concerns re catchment health



Concept mapping and conceptual diagrams help us assess cumulative effects

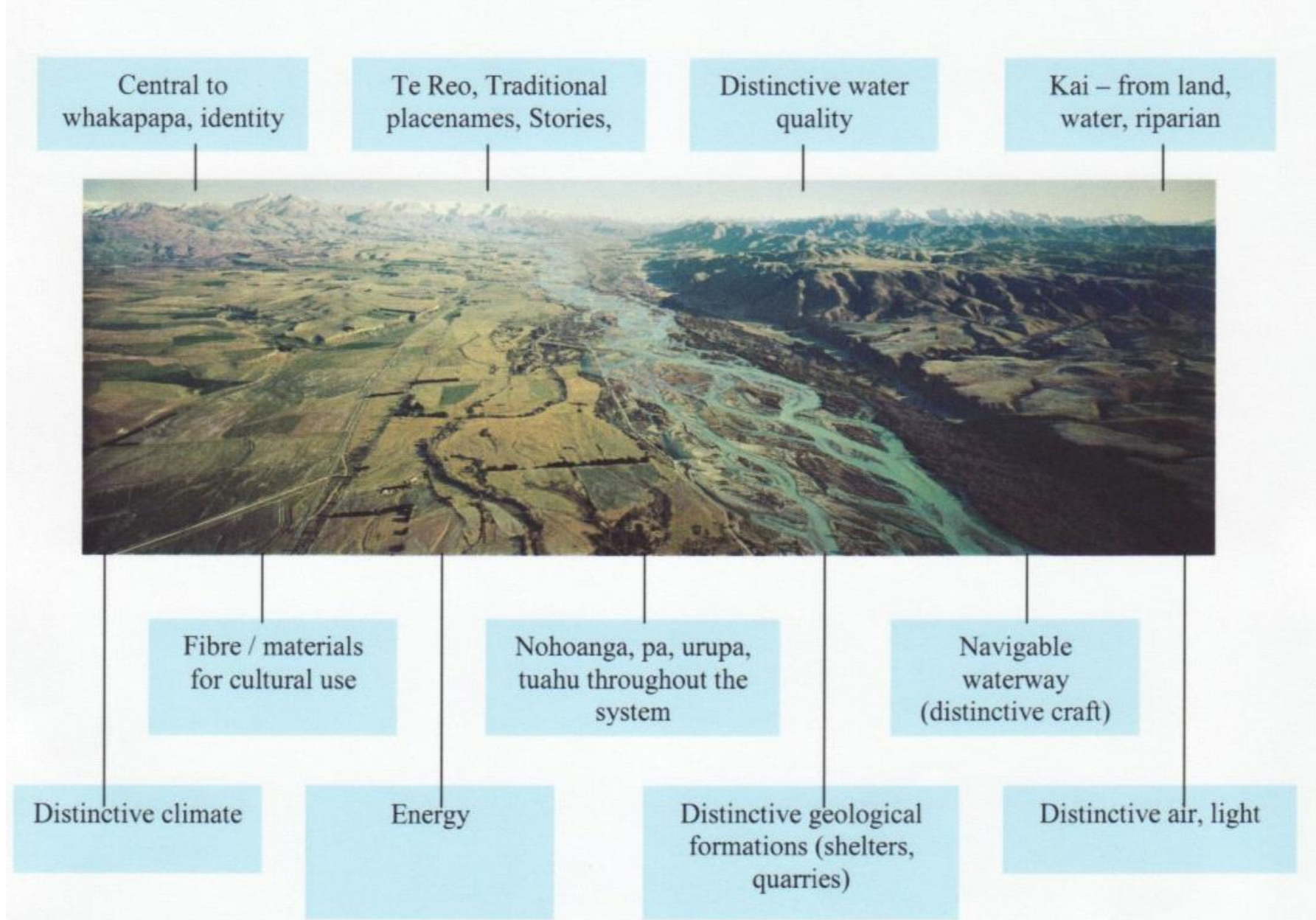
# **We follow up concerns re quality of resources**



**We have completed specialist assessments  
(e.g. our harakeke assessment saw a  
whanau member working alongside a fibre  
engineer from the university)**



# We document impacts of activities







## **Cultural impact assessments**





**That also consider new  
opportunities**

**We use a range of assessment tools – cultural and western science – all driven by the need to understand how we can deliver the opportunities that whanau want to see realised.**



# STEP 3: Targetted responses

We use the data from the assessments to plan and deliver opportunities that are feasible and consistent with our values

**3**

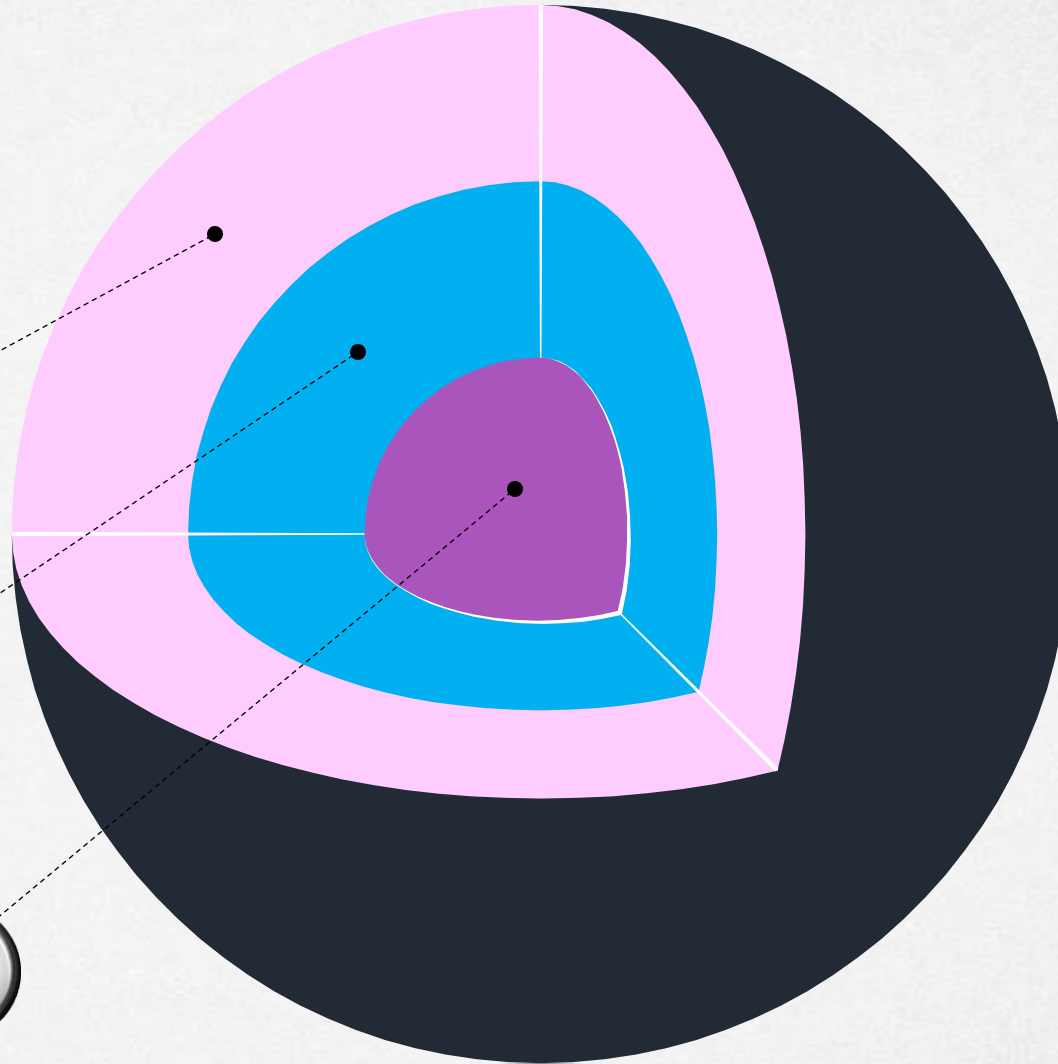
Plan, develop and implement responses

**2**

Undertake cultural assessments

**1**

Map cultural opportunities



# Iwi Management Plans

Hmmmmmmmmmmmmmmmmmm!!!



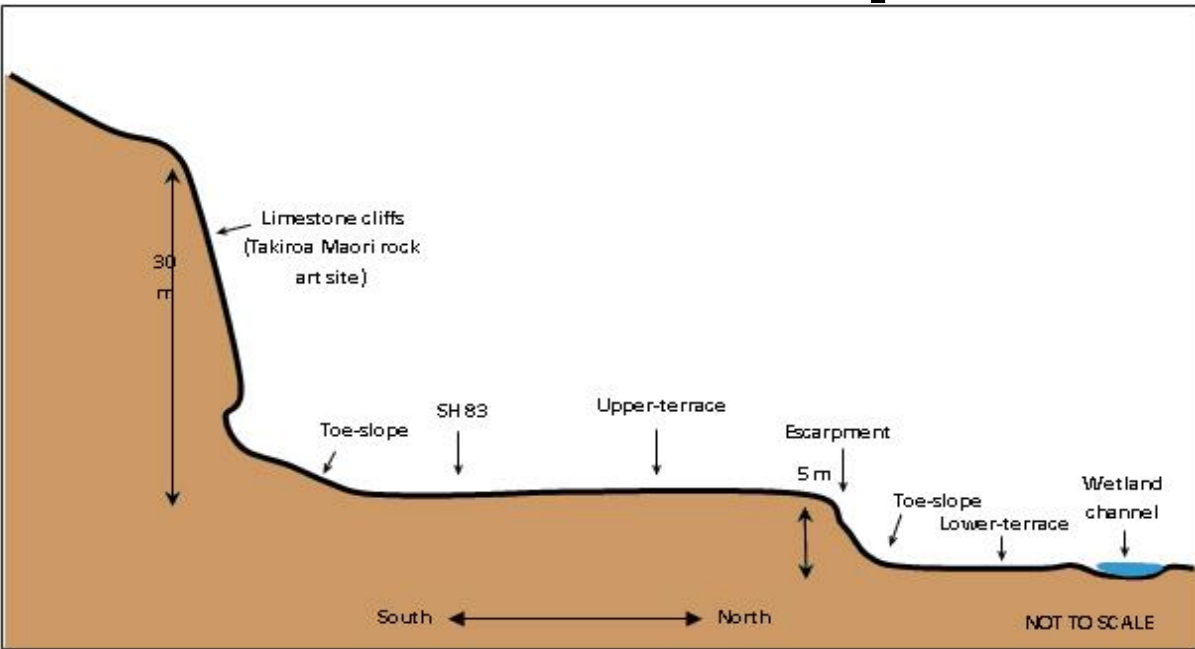
# Whanau response at a site specific level



**A whanau restoration project – artificial habitats close to the marae**



# Whanau response



**A whanau restoration– a cultural landscape  
in the Waitaki**





# Whanau response (“dibs” on assets within a catchment)





# Whanau response



**Assessing impact of invasive  
weeds on swimming and  
fishing reaches**

**Customary fisheries – two  
areas closed & more  
identified**



**We don't need to do it all  
ourselves**

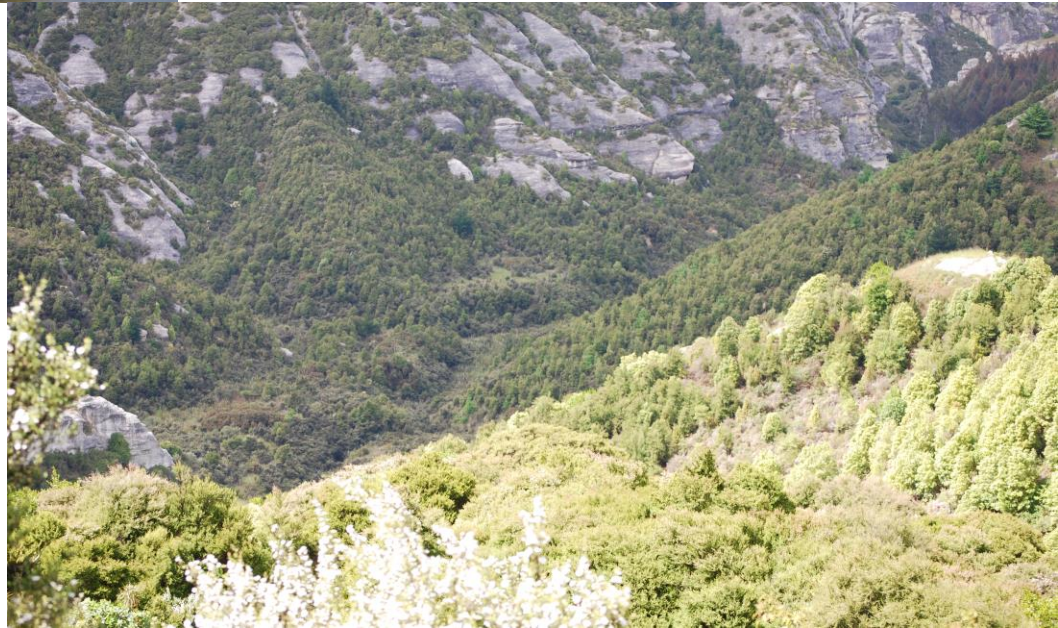


# Resource user response



**An energy company  
re-established a flow**

**A forestry company agreed to protect  
headwaters**



# Resource user response



**Farm plans – with an irrigation scheme  
agreeing to a cultural audit**

**KPIs with an irrigation scheme**





# Resource user response



**Landowners agreed to decline requests  
for access across private land for eel  
fishermen**

**Assessing presence/absence  
of eels at traditional sites  
(productivity of streams)**



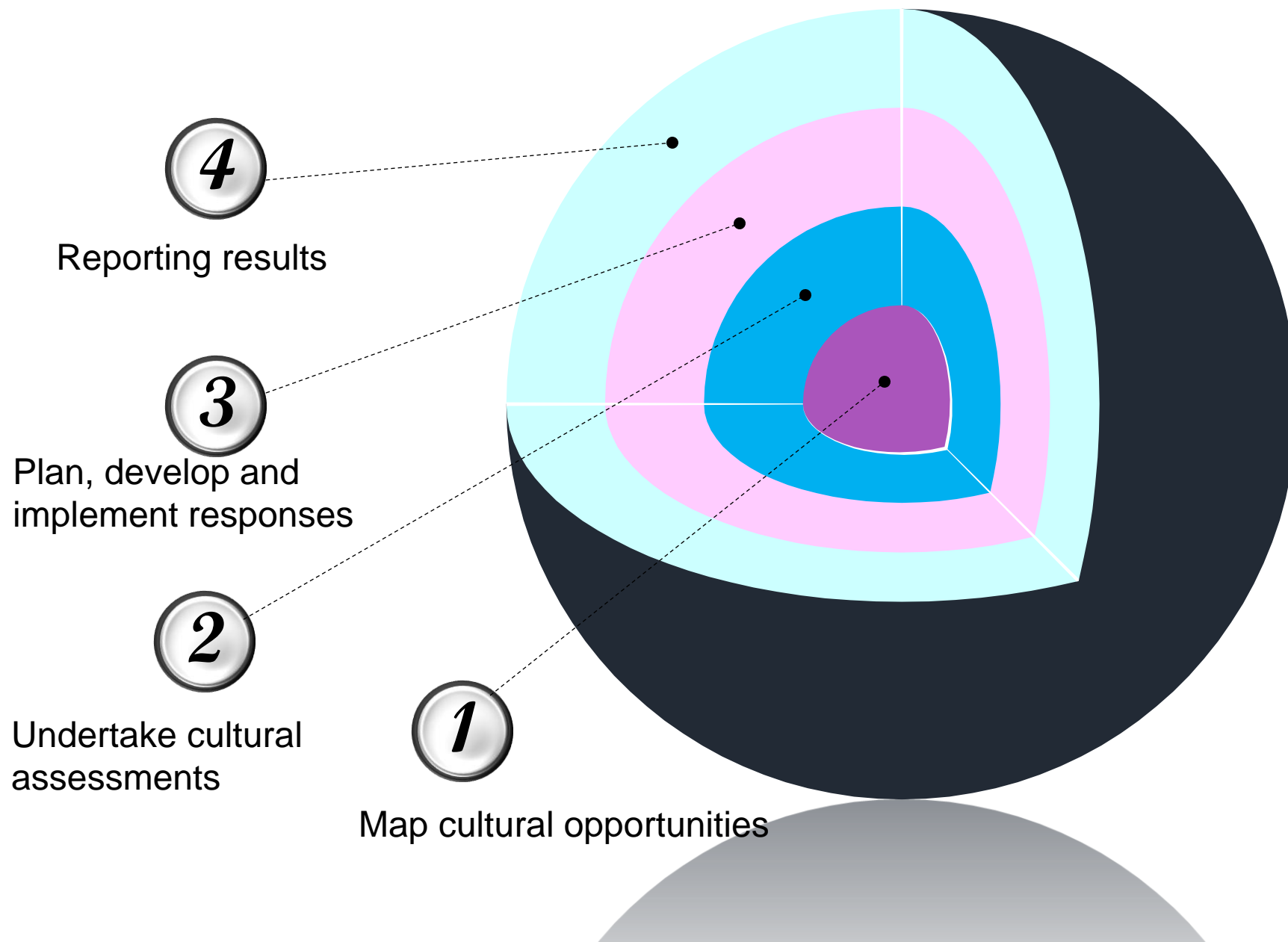
# **Multiple responses at multiple scales across a takiwa**



**Multiple responses at multiple scales across a takiwa**

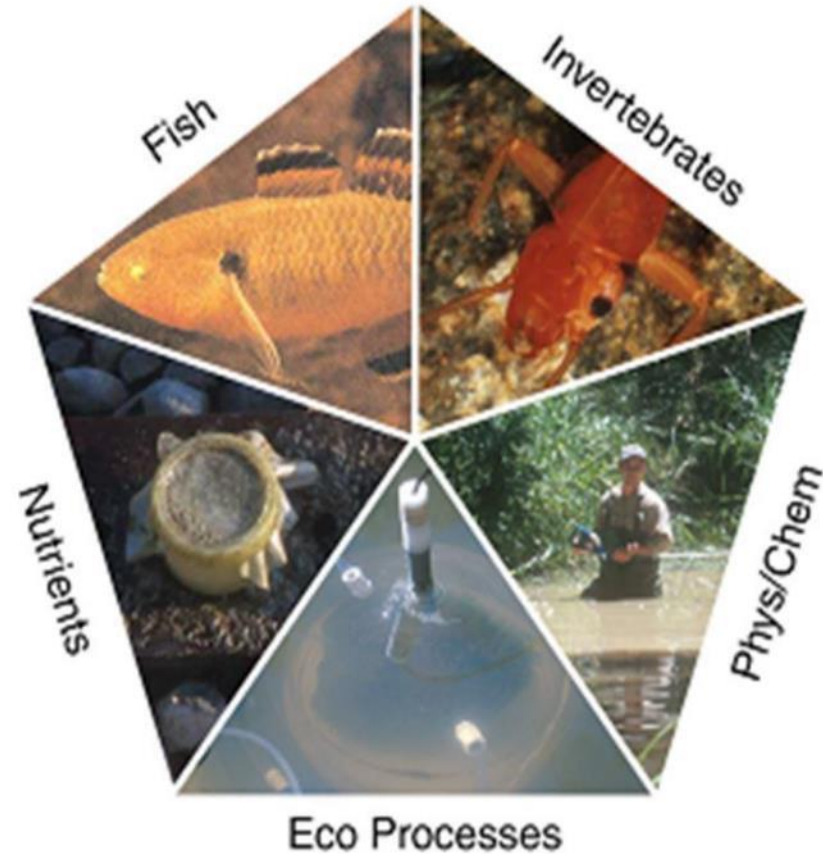
**We decide who we collaborate with and why**

# STEP 4: Reporting progress to whanau



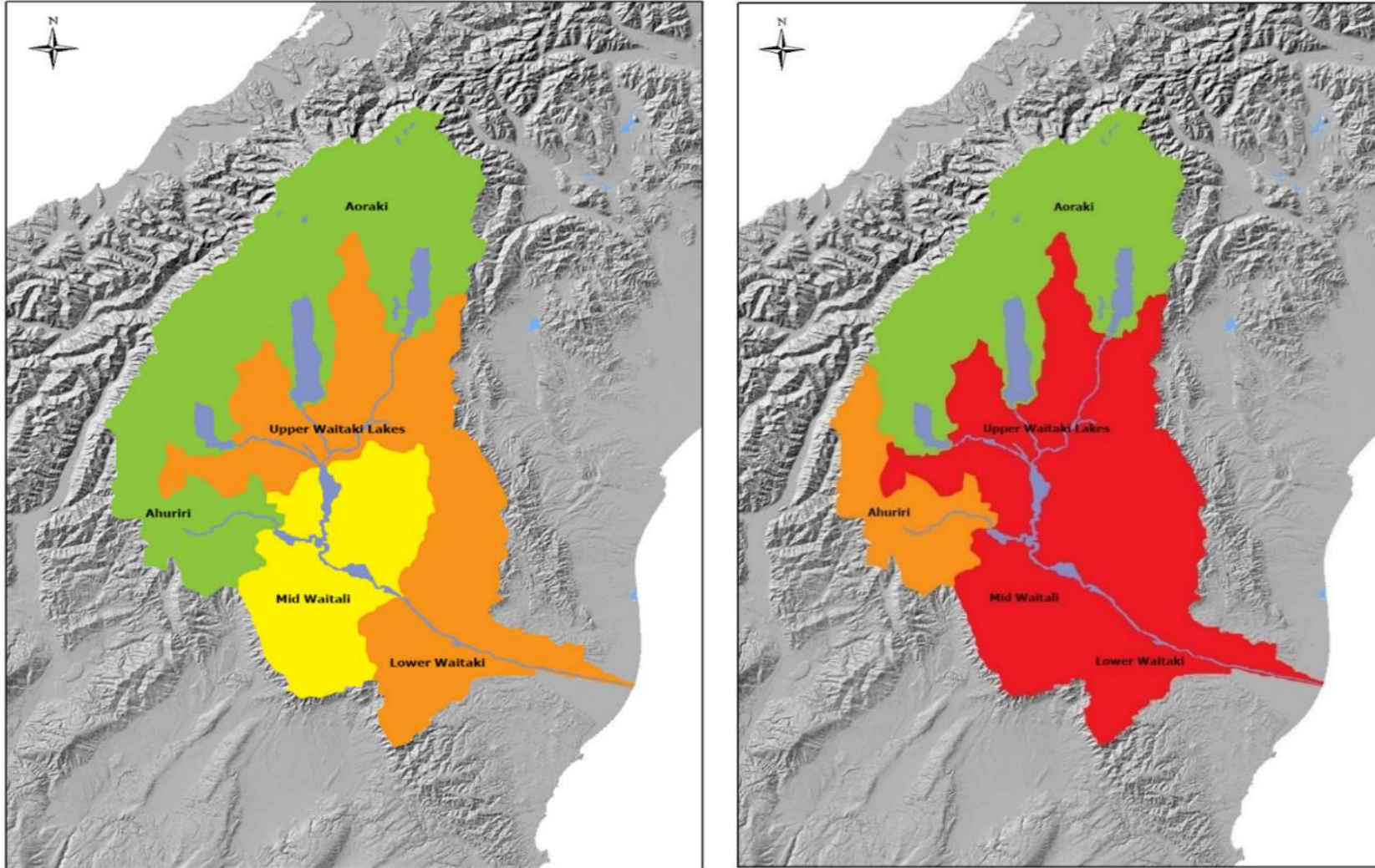


# Some report cards in use



**Focus on the bio-physical**

# Waitaki Report Card



**Provides 5 sub-catchment report cards to report against the goals identified by Manawhenua**



**We use data– cultural and western science – to inform our  
report cards**

# Step 5: We inform statutory planning

Will their plans deliver opportunities?,

5

4

Reporting results

3

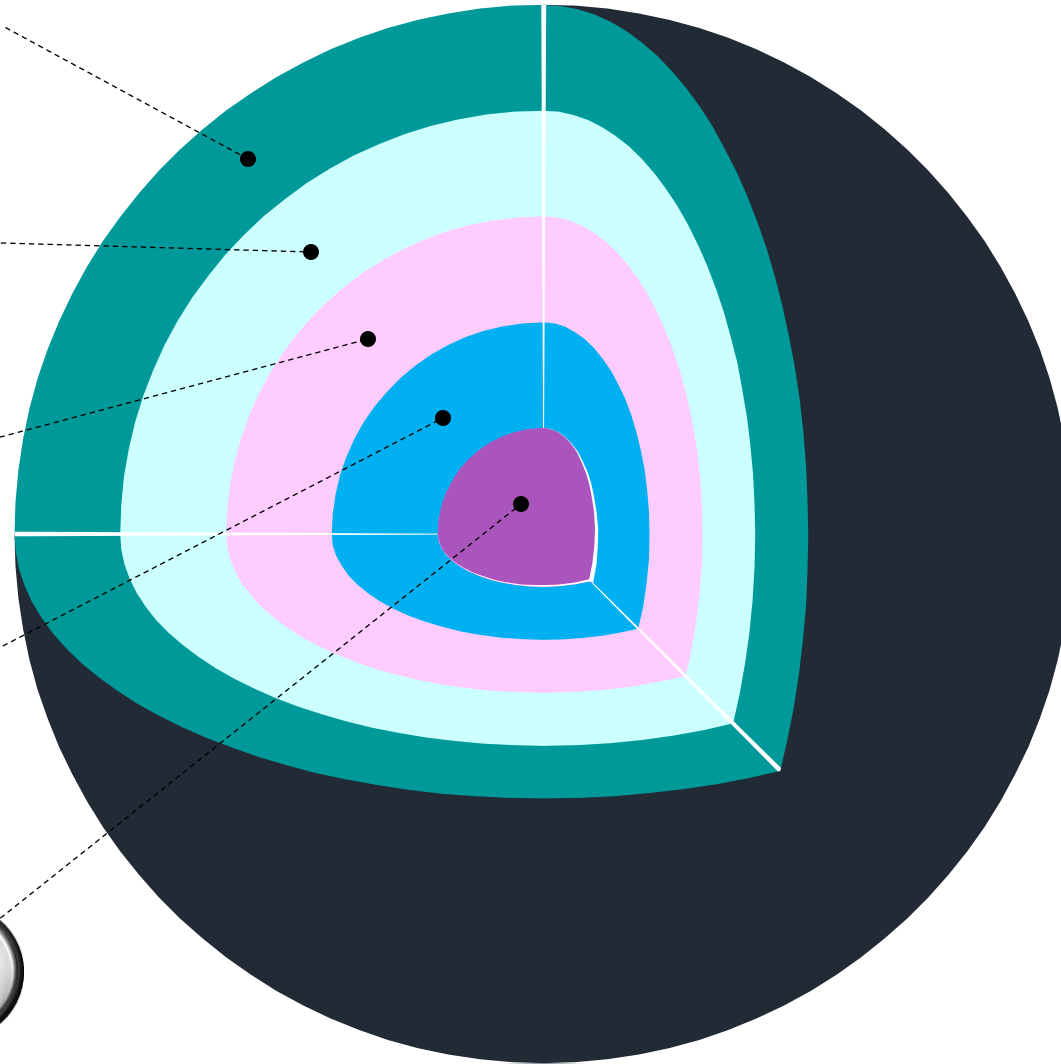
Plan, develop and implement responses

2

Undertake cultural assessments

1

Map cultural opportunities





# **Council process - scenario planning**

**All data from all our assessments informs our analysis of scenarios**

# **Regional plan (limit setting)**



**A minimum flow of 300l/s**



## **Regional plan (limit setting)**



**A minimum flow of 300l/s will increase to 890l/s**



# **Regional Council - Biodiversity**



**The upper reaches...**



# **Regional Council - Biodiversity**



**...and the lower reaches of a catchment to be restored**



**Our assessments provides data so that when we are  
active in management processes our positions are  
evidence based**



**At the end of the day .....**

# We know what water management is delivering – on the ground and in terms of our values?

- Whakapapa
- Whanaungatanga
- Te Ao Maori
- Mauri
- Rangatiratanga
- Taonga Tuku Iho
- Manaakitanga
- Mahinga kai





***Mo tatou a mo ka uri a  
muri ake nei***

**For us and our children  
after us.**

