

# Economic values of surface water in the Motueka Catchment

Michael Krausse

Landcare Research Ltd  
Palmerston North  
New Zealand



# The Issue

Establishing sustainable allocation limits

- Competing 'uses'
- Who's values?
- Winners and losers



# The Approach

- Identifying the uses and values affected by changes in flow
- Understanding the value impacts of marginal changes in flow for each use



# Progress to date

- Issues for priority assessment – angling, pastoral intensification
- Angling
  - Modelling effects of marginal changes in flow
  - Survey of anglers
- Pastoral intensification
  - Development of representative model farms
  - Modelling of water value
  - Financial evaluation of water supply options



# Next Steps

Assessment of controls on change in flow on:

- Recreational users
- Horticultural users
- Forestry sector
- Other (fishery, public perception)

Modelling the impact of controls on water quality



# Synergies

- Montgomery Watson / Lincoln Ventures (essential)
- GNS/Lincoln University (useful)
- Catchment modelling (essential)
- Marine/freshwater interface (essential)



# Summary

- Discussions with key water users have begun
- Priority is being given to investigation of the impact of changes in water flow on values associated with angling and pastoral intensification
- Next steps include assessing the impact on the other productive sectors (horticulture, forestry) and on non-market values.

