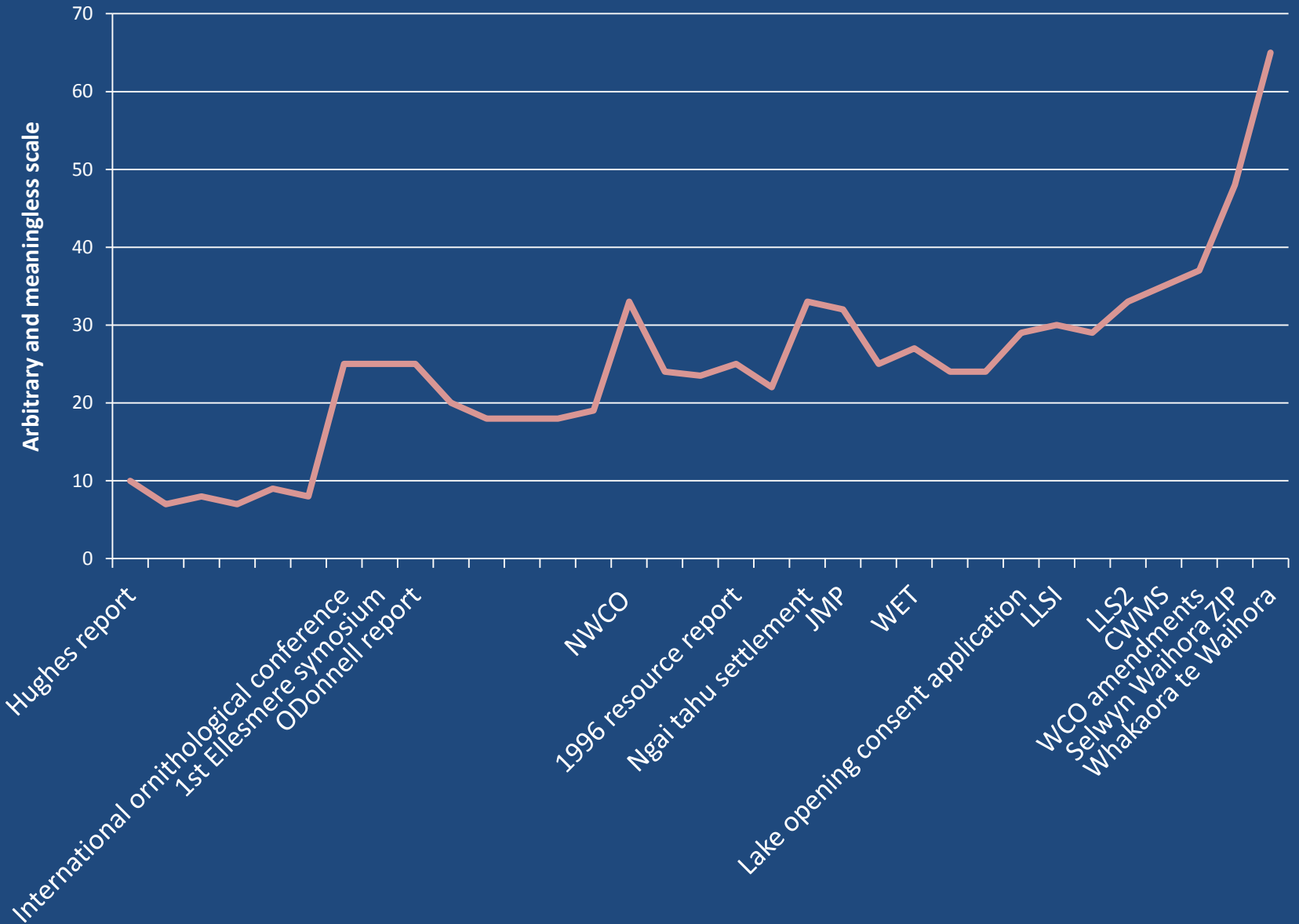


Living lake, changing catchment 2011

Te Waihora/Lake Ellesmere integrated catchment symposium

A recapitulation of day one

"Public interest" in Te Waihora



Key themes from day 1

- Similarities and differences
 - Reinforcing the messages from 2007 & 2009 (Clive)
- Connectedness
 - “Ki uta ki tai” (Howard, Clive, Steve W) – must appreciate the links between all components of the system
 - Coleridge to Waihora – a larger catchment!
- Complexity
 - Biophysical drivers, value sets, integration of 4 well-beings
 - Post-graduate projects
 - Catchment studies – lysimeters, Selwyn studies. ELFMOD (NIWA)
 - Land use change, industry ambitions, urban growth (Andrew & Todd)
- Refinement
 - Using our current understanding to improve management (environmental flows – Greg B – timing of lake openings –Graeme H)

Key themes from day 1

- Don't ignore the "small" picture
 - Importance of individual components of the system
 - short-term water quality changes (Adrian)
 - lake level manipulation (Graeme)
- Doing things on the ground now
 - History of the riparian planting programme, drivers & choices, WET (Stephen B et al), W te W
 - But less than 1%!
- Resilience
 - Reprise from 2009
 - Native plantings

Key themes from day 1

- Measurement
 - Are we monitoring everything we should ?
 - What does success look like?
 - Can we put a value on nature's services? Is Waihora worth US\$400M /yr? (Steve W)
- “A starting point”
 - Talking and doing (Stephen B)
 - First steps (Jason and Donna W)

And now for day 2...

- Clive's objectives for LLIII:
 - Good decision-making informed by good science
 - the mechanisms of collaborative decision making (including within and between organisations)

Day 1

A diagram consisting of two blue rectangular boxes with white text. The top box is labeled 'Day 1' and the bottom box is labeled 'Day 2'. A blue arrow points from the 'Day 1' box to the first objective 'Good decision-making informed by good science'. Another blue arrow points from the 'Day 2' box to the second objective 'the mechanisms of collaborative decision making (including within and between organisations)'.

Day 2

The power of four...

- Bullies = 40% of fish biomass
- Actual water use = 40% of allocation
- US\$400M per year
- \$400K of restoration planting
- 4 lysimeter sites
- 4.4 million cows
- 4000 tonnes of milk solids from Selwyn....