CANTERBURY WATER MANAGEMENT STRATEGY (CWMS)

STAGE 1 2002

Joint Study Ecan, MfE, MAF

- Concluded enough water to meet all reasonable future demands
- Not available at the right place, at the right time

Similar time, Council consulting on community outcomes, (LGA 2002)

- Number one issue was water

Having received this report, question was “Where to?”

Canterbury Mayoral Forum (CMF)

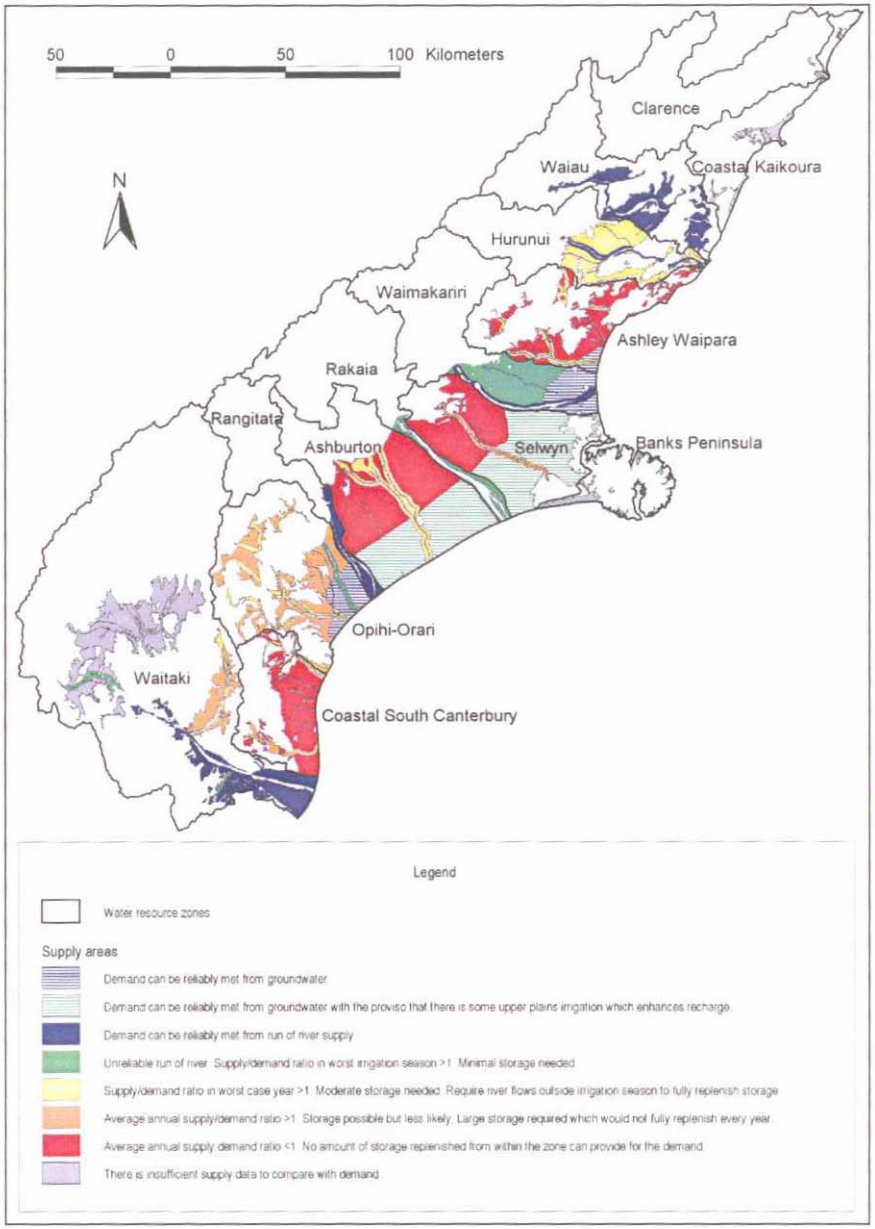
- Forum of Canterbury Mayors, Regional Council Chair, Chief Executives
- Recognised the need for community leadership
- Current processes were not going to deliver
  - RMA effects based rather than strategic view
  - Identified need for resource re-allocation
  - Confirmed need for transferability to maximise value
  - Best practice continues to evolve
  - Storage needed for reliability and investment certainty
  - Funding hurdles
  - Intergenerational
  - Recreation potential
  - Enhancement opportunities
- CMF undertook to sponsor the strategy development

CWMS

- **Multiple Outcomes**
  - Optimise the efficient use of our water resource
  - Integrated management of rivers and groundwater systems
  - Ensure quality drinking water for our communities
  - Protect and enhance our natural water bodies
  - Ensure ongoing implementation of best practice
  - Manage effects of land use intensification
  - Recognise opportunities for further renewable generation
  - Mitigate effects of climate change

CWMS --- Stage II

- Considered
  - How could our resource be developed?
  - What are the storage options?
  - Is it practical to meet potential long term water needs of the region?
- Noting regionally
  - major river sources are territorial authority boundaries
  - need for fair allocation
  - potential need for re-allocation
  - need for national recognition and support
- Need to recognise and build on existing investment


50 0 50 100 Kilometers
N
Clarence
Waiau
Coastal Kaikoura
Hurunui
Waimakariri
Ashley Waipara
Rakaia
Rangitata
Ashburton
Selwyn
Banks Peninsula
Opihi-Orari
Waitaki
Coastal South Canterbury
Legend
Water resource zones
Supply areas
Demand can be reliably met from groundwater
Demand can be reliably met from groundwater with the proviso that there is some upper plains irrigation which enhances recharge
Demand can be reliably met from run of river supply
Unreliable run of river. Supply/demand ratio in worst irrigation season >1. Minimal storage needed
Supply/demand ratio in worst case year >1. Moderate storage needed. Require river flows outside irrigation season to fully replenish storage
Average annual supply/demand ratio >1. Storage possible but less likely. Large storage required which would not fully replenish every year
Average annual supply demand ratio <1. No amount of storage replenished from within the zone can provide for the demand
There is insufficient supply data to compare with demand

CWMS --- Stage III

- Took findings of Stage II for community and interest group input
- Undertook workshops
  - Environmental issues
  - Development potential / economic benefits
- Getting interest groups together to discuss issues / options
- Sub-regional workshops to develop options / alternatives

This then provided feed back to review Stage II options

CWMS - Stage IV (current) Implementation

- Fill information gaps
- Broader public consultation (values / uses)
  - develop fundamental principles
- Institutional arrangements
- Develop Options
  - to reference group - March 2009
  - finalise options to public - June 2009

THE STRATEGY

- Involve public and private investment
- Ambitious and creative
- Flexibility for regional and local solutions
- Combine statutory and non-statutory processes
- Allow intensification with environmental safeguard

CENTRAL GOVERNMENT ROLE

- Supportive role rather than prescriptive
- Consistency with Sustainable Programme of Action
- Whole of Government Approach
- Strategy development and investment funding
  - inter-generational
  - local regional, national benefit