How does water contribute to welfare?

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Overview

- The opportunity
- What is quality of life?
- How does water affect quality of life?
- Water flows
- Economic flows
The Opportunity

- Provide water supply systems that optimise contributions to welfare
- Trace the flow of water through the economy and environment
Quality of Life

- Dozen of different indices
- NZ:
  - UN Human Development Index
  - Economist Intelligence Unit’s Quality of Life Indicator
  - Social Deprivation Index
  - GDP???
Quality of Life: UN Human Development Index

- Material well-being
- Health
- Education
Water Supply → Quality of Life

Water Supply

Material well-being

Political stability and security

Climate and geography

Health

Family Life

Job security

Gender equality

Education

Community life

Political freedom

Material well-being

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Water Flows

- Water Supply
- Households
- Health
- Education
- Job security
- Material well-being
- Industry
- Products and services

Quality of life
Water Flows

Water Supply System

Households

Industry

Waste treatment

Quality of life

Health

Education

Job security

Material well-being

Products and services

Industry

Households

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Water Flows
Economic Flows

- Water Supply System
- Household
- Industry
- Products and services
- Waste treatment

- Quality of life
  - Health
  - Education
  - Job security
  - Material well-being
Questions?