



Issues and Outcomes

Key tangata whenua issues across New Zealand

- Poor working relationships, poor understanding of Māori culture and issues
- Low Māori participation in science and research programmes
- Few collaborative or participatory projects with Māori
- Difficulties and lack of inclusion in planning, policy and decision-making
- Difficulties accessing knowledge and information
- Politics and unequal power
- Complex process's and systems for decision-making
- Lack of capacity (e.g., resources, skills)

Iwi and hapū environmental and cultural issues – Tasman district

- Degradation of natural ecosystems, loss of habitats
- Loss of customary and traditional food areas
- Reduced access to natural resources
- Pollution and sewage disposal
- Dissapearance, loss, poor health of taonga species (flora and fauna)
- Resource use and conflicts, taking of resources
- Declining water quality, impacts on mauri (life essence)
- Water allocation, property rights, augmentation, over-use
- Coastal and marine degradation
- Widespread damage and modification to cultural heritage
- Contaminated sites
- Effects on Māori wellbeing
- Loss of Māori knowledge, need to retain and use knowledge

ICM research carried out with tangata whenua groups:

- Building and maintaining relationships
- Issues identification and analysis
- Writing planning reports
- Learning from case studies
- Hui, workshops, field visits, participatory research – working together, information sharing
- Collaborative research models for working with tangata whenua
- Identifying iwi and hapū goals and key research areas
- Iwi and hapū environmental monitoring
- Tangata whenua information and knowledge systems
- Improved systems and process's for decision-making

Outcome:

“a collaborative learning approach with tangata whenua to achieve tikanga based aspirations such as kaitiakitanga and rangatiratanga – based on cultural, economic, social and environmental goals”

Research outcomes to date:

- Improved relationships and dialogue
- Involvement in research and planning activities
- Capacity building for tangata whenua and ICM scientists, researchers
- Interaction between scientists, researchers, stakeholders, and tangata whenua (breaking down the barriers)
- Recording, storing, organising Māori and science knowledge – knowledge integration and use
- Respecting and using indigenous knowledge forms
- Environmental-Cultural iwi and hapu projects
- Inclusive collaborative science and research projects

Future research

Applying what we have learnt to other New Zealand and international catchments

- Expansion of ICM research to incorporate a cultural component, specific indigenous research, generic research, participatory research
- Development of effective iwi and hapū-based knowledge and information systems – creating an interface for Māori Knowledge and Science
- Improved process's and systems for decision-making by tangata whenua based on ICM approaches, tools, methods
- Indigenous planning and policy approaches (e.g.kaitiakitanga) to sustainable resource management
- Links to international and indigenous research



Iwi are involved in or lead a number of environmental and cultural projects in the Motueka catchment and greater region



Several planning and training workshops/hui were used to help establish GIS

Selected references:

Harmsworth, G.R. 2005: Good practice guidelines for working with tangata whenua and Māori organisations: consolidating our learning. Landcare Research Report LC/0405/091 for the ICM web site. 56p.

Harmsworth, G. 2005: Motueka ICM programme – working with iwi. Water and Wastes in NZ. *Journal of Water and Wastes in New Zealand*, May 2005 Issue. New Zealand Water and Wastes Association. 139: 43-48.

Harmsworth, G.; Park, M.; Walker, D. 2005: Report on the development and use of GIS for iwi and hapū: Motueka case study, Aotearoa-New Zealand. Paper completed for ICM web site. 33 p.

Harmsworth, G.R. 2003: Motueka Tangata Whenua Resource Management Group: Research, Issues, Management and Monitoring in Te Tau Ihu. Landcare Research Contract Report LC/0203/085, 87p.

Harmsworth, G.R. 2001: A collaborative research model for working with iwi: Discussion paper. Landcare Research Contract Report LC2001/119 for the Foundation for Research, Science and Technology (FRST) (unpublished), 29p. Available at <http://www.landcareresearch.co.nz/research/social/iwimodel.asp>

Web sites:

Integrated Catchment Management home site: <http://icm.landcareresearch.co.nz>
 Collaborative learning: http://www.landcareresearch.co.nz/research/social/indigenous_knowledge_and_values
http://www.landcareresearch.co.nz/research/social/indigenous_index.asp

Finding solutions and balance to cultural, social, economic and environmental issues and problems and planning future sustainability

Ko Tau Raurau Ko Taku Raurau Ka ora te Kaupapa With your basket of knowledge and my basket of knowledge the issue will be successful

Acknowledgements:

The Motueka Resource Management Advisory Komiti (MIRMAK)—Dean Walker, Mick Park, Pat Park and Hayden Henry for their contribution to collaborative ICM projects—Ngāti Rarua, Te Atiawa and Ngāti Tama representatives Barney Thomas and Ropata Taylor for whakatauiki and cultural advice and guidance—The ICM research team