About the Programme

• Delivering Pathways to Mineral Wealth and Environmental Sustainability
• 6 years (2004 to 2010) FRST investment
• Environmentally sustainable development of Mineral Wealth (coal and gold) in the West Coast and Southland regions
About the Programme

• Three steps to realising mineral wealth
  – Exploration
  – Mining
  – Earning the right to mine

• A standardised decision making framework for mining industry and environmental authorities
About the Programme

• Programme overseen by Governance panel comprising industry/EA

• Decision making framework:
  – Integrates different strands of research
  – Involves input from mining companies, environmental authorities and other key stakeholders
Benefits of a Decision Making Framework

• More streamlined Process
  – Reduced time
• Increased certainty
• Avoided costs
  – Well focused monitoring requirements and regimes
  – Unsuitable sites
Structure of Programme

- Objective 1 – Assessing the Risk
  - Environmental with a geochemical focus.
- Objective 2 – Assessing the Impacts
  - On aquatic Ecosystems
- Objective 3 – Identifying Remediation Option(s)
- Objective 4 – Constructing the Framework
Structure of Today

- Objective 4 – Initial thoughts on framework structure and fit within the overall mineral wealth development process

- Objective 1 – Identifying the big risk factors
Structure of Today

• Objective 2 – Relating those to observations of ecosystems and results of ecotoxicity tests

• Objective 3 – The range of remediation options available and how to choose the most appropriate.
Structure of Today

- Environmental Programme at Solid Energy
- Lunch
- Field Trip
Conclusion

Feedback from, and involvement of, stakeholders is essential to success
Objective Leaders

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