



### The purpose of the EES

The purpose of the EES is to provide a sufficiently detailed description of the project, assess its potential effects on the environment, and assess alternative project layouts, designs and approaches to avoid and mitigate effects.

The EES will inform, and seek feedback, from the community and stakeholders.

All studies undertaken as part of the EES adopt a risk-based approach so that a greater level of effort is directed at investigating and managing those matters that pose relatively higher risk or adverse effects.

The following structure has been applied to assess the effects in each technical study area:

- 1 Identify key issues or risks** that the project poses
- 2 Characterise the existing environment** to underpin impact assessments, having regard to level of risk
- 3 Assess the likely effects** of the project on the existing environment and evaluate their significance
- 4 Present design and mitigation measures** that could substantially reduce and/or mitigate the risk of significant effects
- 5 Propose performance objectives and management** to evaluate whether the project's effects are maintained within permissible levels, and propose contingency approaches if they are not

The description and assessment of effects must not be confined to the immediate project area but must also consider the potential of the project to impact on nearby environmental values.

### Technical and specialist studies undertaken for the Goschen Project

# Land & Water

Biodiversity - Flora  
Biodiversity - Fauna  
Geotechnical and  
Tailings  
Groundwater  
Surface Water  
Soils and Land  
Resource

Radiation  
Air Quality  
Noise and Vibration  
Traffic and Transport  
Landscape and  
Visual

# Amenity & Health

# Land use & heritage

Agriculture  
Cultural Heritage  
Historic Heritage  
Land Use  
Social Impact  
Economic Impact