

8 Overview of environmental issues

The potential impacts of the project and their associated environmental, social and economic consequences have been identified through:

- A preliminary environmental assessment, carried out as part of the State significant infrastructure application report (AECOM, 2015), to allow early identification of the key environmental issues and to inform the State significant infrastructure application.
- An assessment of the key issues identified in the Secretary's Environmental Assessment Requirements (SEARs) for the project (**Appendix A** (Secretary's Environmental Assessments Requirements)).
- An environmental risk analysis (detailed in **Chapter 29** (Environmental risk analysis)).
- Development and maintenance of an environmental risk register for the project (refer to **Chapter 29**).

The potential impacts of the project, identified through this risk assessment process were grouped into issues as follows:

- Traffic and transport
- Air quality
- Human health
- Noise and vibration
- Land use and property
- Visual impacts and urban design
- Social and economic
- Soil and water quality
- Contamination
- Flooding and drainage
- Groundwater
- Non-Aboriginal heritage
- Biodiversity
- Greenhouse gas
- Aboriginal heritage
- Resource use and waste minimisation
- Climate change and risk adaptation
- Hazard and risk.

The impact assessment for each of these issues and the proposed mitigation measures are presented in **Chapters 9 to Chapter 26**.

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