

## 21.03 ENVIRONMENTAL RISK AND LANDSCAPE VALUES

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This clause provides local content to support Clause 12 (Environmental and landscape values) and Clause 13 (Environmental risks) of the State Planning Policy Framework.

### 21.03-1 Environment, landscape values and risk

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#### Overview

With the Grampian Ranges to the south and the Pyrenees Ranges to the east, the shire contains some of the most significant environmental features in the State. Other major environmental assets of the shire include Lake Lonsdale, Lake Fyans, Teddington Reservoir, Lake Batyo Catyo and the Kara Kara State Forest.

The shire has a wide range of habitat areas supporting a diverse range of flora and fauna. The shire includes parts of the three distinctive catchments of Glenelg Hopkins, Wimmera and North Central.

The Avoca, Avon, Richardson and Wimmera Rivers are all within the shire. The upper catchment of the Wimmera River supplies a secure water supply to thousands of farms and over fifty towns in the Wimmera and Mallee regions. Stawell and St Arnaud townships are supplied water from Lake Fyans, Lake Bellfield and the area known as the Volcano.

The Grampians are a mountainous landscape of national significance consisting of rugged landscape ridges and escarpments. The surrounding farming country is attractive, containing mature river red gums and other native trees in paddocks and along roads and streams.

Land in the shire is subject to environmental risks such as bushfire, flooding and salinity. The shire also has land susceptible to landslides and land with a high risk of potential instability including land located in the Grampians National Park, and the township of Halls Gap.

#### Key issues

- Habitat loss caused by the removal of remnant vegetation is a key environmental issue.
- Integrated management of environmental assets across the shire, with the shire crossing three Catchment Management Authority boundaries.
- Bushfire is a hazard in the shire and around townships, with Halls Gap and land around Kara Kara State Forest being at high risk.
- Protecting the environmental and landscape values of the Grampians National Park.
- Flooding occurs along the river systems in the alluvial plains and sheet flooding also occurs in parts of the shire creating overland flow paths.
- Gully, soil erosion and sedimentation causing downstream impacts contribute towards the poor to moderate condition of the 'shires rivers.
- Salinity and erosion occur in the more elevated discharge areas.
- Appropriately managing development in areas susceptible to environmental landslide or instability to reduce the impacts of future landslide events and improve community resilience.
- Inappropriate development in these areas susceptible to landslide or instability, including vegetation removal can exacerbate the risks to life, property and the environment.

- Managing drainage, rock and soil disturbance and stormwater disposal to minimise the risk of landslides.

**Objective 1 To ensure land use and development does not increase the level of bush fire risk and includes adequate fire protection measures.**

Strategy 1.1 To identify areas in the shire that are at risk from bushfire.

Strategy 1.2 To limit development in areas subject to extreme bushfire.

**Objective 2 To protect local flora and fauna.**

Strategy 2.1 Reinforce existing wildlife corridors along road and railway reserves with supplementary revegetation in adjacent private lands to establish strong biolinks between important habitats.

Strategy 2.2 Protect and reinforce significant environmental nodes or biolinks on private land.

Strategy 2.3 Support the location of services on private cleared land rather than on roadsides.

Strategy 2.4 Support future development on land within the shire that is already cleared to avoid and minimise the removal of remnant vegetation.

**Objective 3 To manage salinity and erosion.**

Strategy 3.1 Reduce salinity risk by reducing ground water accessions, preventing development within high risk salinity areas and stabilising salinised areas.

Strategy 3.2 Encourage use and development that may impact on salinity to take into consideration Salinity Management Plans, where relevant to ensure impacts are minimised and appropriately addressed.

Strategy 3.3 Minimise land disturbance and inappropriate development in areas identified as being susceptible to erosion.

**Objective 4 To reduce the impact of landslides.**

Strategy 4.1 Ensure that development does not increase the landslide risk to life or property.

Strategy 4.2 Ensure that development proposed on land susceptible to landslides is justified and supported by adequate investigation of geotechnical and related structural matters.

Strategy 4.3 Ensure that development on land susceptible to landslides is carried out having regard to the results of geotechnical and related structural investigations.

Strategy 4.4 Require investigation into landslide and erosion risk for land in Halls Gap identified as being susceptible to landslides.

**Objective 5 To protect the environmental and landscape values of the Grampians National Park.**

Strategy 5.1 Recognise the significance of the environmental and landscape values of the Grampians National Park, locally and as a major natural feature tourist attraction.

Strategy 5.2 Ensure that development does not adversely impact on the landscape qualities of the Grampians National Park and surrounding rural areas.

Strategy 5.3 Maintain the quality of vistas to and from the Grampians National Park.

## **Implementation**

### **Policy guidelines**

- To apply appropriate conditions to development to mitigate and manage the risks from bushfire to acceptable levels.
- Require applications for land identified at risk from landslide to provide a geotechnical report.
- Land in Halls Gap that has been identified susceptibility to landslides requires investigation for landslide and erosion risk.

### **Application of zones and overlays**

- Apply the Rural Activity Zone, Significant Landscape Overlay and Design and Development Overlay to protect the values of the Grampians National Park environs.
- Apply the Bushfire Management Overlay, Land Subject to Inundation Overlay, Floodway Overlay, Environmental Significance Overlay, Erosion Management Overlay and Significant Landscapes Overlay as appropriate to address areas at significant risk from bushfire, flooding, erosion and landslides.

### **Further strategic work**

- Undertake a strategic audit of sites subjected to environmental contamination.

### **Reference documents**

Defendable Spaces Project: Planning Analysis and Implementation Final Report, 2014.

Northern Grampians Shire Council, Report for Landslide Susceptibility Zoning, Halls Gap Township, September 2011.