

### Hunter Valley BFM Economic Risk Current

#### LEGEND

- Hunter Valley BFM
- Economic Risk Current**
- Lowest Risk
- Low Risk
- Moderate Risk
- High Risk
- Highest Risk

#### Map Description

**Economic Risk – Current**

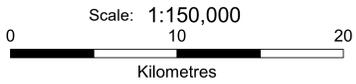
The **Economic Risk – Current** map shows the modelled risk to economic assets across the BFM area when risk modelling commenced for this plan. Each coloured square on the map represents the risk to one or more economic assets. To determine the risk, a 180m grid was created across the BFM area and all grids where economic assets were present were identified. Then the likelihood of a bush fire starting, spreading and reaching the asset was determined and combined with the potential damage to these assets given the likely fire exposure at each grid. The risk was calculated based on the economic loss (\$) of the modelled damage assessment for the asset and the recovery time (yr), the time it would take to repair or replace that asset. These risk values were then added together to calculate the risk to all economic assets within a grid. Therefore, if for example the modelled damage assessment for two assets was calculated at approximately the same \$ loss, the risk will be higher for the asset with the longer recovery time.

The 180m grids are aggregated to 540m (i.e. nine grids together) and the risk values summed to calculate the risk for the larger grid size. The risk is then classified into a maximum of five categories from lowest to highest based on their risk value.

The map displays the comparative risk across the BFM area from a landscape perspective, that is, where in the BFM are the highest risk area compared to other areas. If an economic asset is located in the lowest risk category, this does not mean that the asset could not be damaged in a bush fire, it is just less likely to be damaged compared to an asset in a higher level risk category.

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 Print Date 25/11/2022 11:28:58 AM  
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#### KEY MAP

