

Errata for 2012 TSNDRA full report

The Department of Infrastructure, Energy and Resources has identified some points of error in Chapter 7 and Chapter 9 of the 2012 Tasmanian State Natural Disaster Risk Assessment (TSNDRA). This document provides clarification on those points. The summary of the TSNDRA - *Natural Disasters in Tasmania: 2012 State Risk Assessment Report Summary* – has incorporated the changes stated below.

Chapter 7 - Earthquake risk assessment.

7.1 Context & Definition (page 43)

The sixth paragraph on page 43 was included in error, as the rock-fall at Beaconsfield was associated with a small mining-induced ‘seismic event’. However, this ‘seismic event’ was not an earthquake in the natural hazard sense; it was a localised response of the rock mass to mining activity. This paragraph is therefore not applicable to the discussion of earthquake risk.

7.1 Context & Definition (page 43)

The following statement was omitted from the text, and should be considered between the 2nd last and last paragraph:

The nature of the soils in some areas of Tasmania may increase the susceptibility to shaking as a result of an earthquake. Some parts of Launceston have been identified with these soils and they appear to have been a factor in the observed building damage resulting from past earthquakes.

7.1 Context & Definition (page 43)

The last paragraph of page 43 should read:

There are only a few faults in Tasmania that have been identified as having evidence for relatively recent activity. Most have not been studied in detail, but several geological studies have been undertaken in respect to the Lake Edgar Fault. This fault is located

7.2 Previous Significant Events (page 46)

In reference to the first paragraph, while a significant emergency response was required, the rock-fall at Beaconsfield, as stated above, was not the result of a natural disaster (an earthquake).

The entries for the “Beaconsfield Mine Disaster 2006” should therefore also be disregarded in the tables within Section 7.2 (page 45) and Appendix C (page 114).

7.3 Climate change implications (page 46)

Paragraph 7.3 and associated footnote 39 was included in error – they are not applicable to the discussion of earthquake risk.

The reference provided in the footnote is not relevant to climate changes that could impact at human timescales. That study looked at long-term variations in the movement of the Indian tectonic plate and related that to very large-scale changes in climate over millions of years. There is no demonstrated relationship between modern climate change and earthquake activity on time scales that would affect people.

Chapter 9 - Tsunami risk assessment.

9.3 Climate change implications (page 63)

Paragraph 9.3 and associated footnote 56 was included in error – they are not applicable to the discussion of tsunami risk.

As stated for Section 7.3 above, the reference provided in the footnote is not relevant to climate changes that could impact at human timescales. There is no demonstrated relationship between modern climate change and earthquake activity, and any consequent tsunamis, on time scales that would affect people.