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THE AUSTRALIAN NATURAL DISASTER RESILIENCE INDEX

VOLUME II – INDEX DESIGN AND COMPUTATION

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ABOUT THIS VOLUME

The Australian Natural Disaster Resilience Index project comprises two volumes.

Volume I – State of Disaster Resilience Report

Volume I assesses the state of disaster resilience in Australia, using the Australian Disaster Resilience Index. Volume I gives a brief overview of the design and computation of the index, then assesses the state of disaster resilience in Australia at different levels: overall disaster resilience, coping and adaptive capacity, and the eight themes of disaster resilience. Volume I also presents a typology of disaster resilience that groups areas across Australia that have similar disaster resilience profiles.

Readers interested in the results of the assessment of disaster resilience in Australia should focus on Volume I.

Volume II – Index design and computation

Volume II (this volume) describes in detail the computation of the Australian Disaster Resilience Index. This includes resilience concepts, literature review, index structure, data collection, indicators, statistical methods, detailed statistical outputs, sensitivity analysis and uncertainty analyses.

Readers interested in the technical aspects of the Australian Disaster Resilience Index should also consider Volume II. Volume II is comprised of six chapters:

- Chapter 1** Design of the Australian Disaster Resilience Index
- Chapter 2** Indicators
- Chapter 3** Computation of the Australian Disaster Resilience Index
- Chapter 4** Statistical outputs: ANDRI, coping capacity and adaptive capacity
- Chapter 5** Statistical outputs: disaster resilience themes
- Chapter 6** Uncertainty and sensitivity analysis