Australia: coral reefs - moderate adaptation

|  |  |
| --- | --- |
| Summary of the assessed risk:  Loss and degradation of coral reefs and associated biodiversity and ecosystem service values in Australia, mainly due to ocean warming and marine heatwaves (moderate adaptation) [Table SM11.2b]  Database id: 95 ([link](https://climrisk.org/cree/ember/95)). Scenario: Medium adaptation.  This ember is found in the following figure(s): Figure 11.6 of AR6-WGII-Chapter11;  (as a rule, summaries are not listed here)  The ember diagram included in this document is based on the assessment provided in the IPCC report and supplementary material listed below, but it does not come from the IPCC; all additional information is provided in view of helping to understand this diagram and is also based on, or reproduced from, the same IPCC sources. Please read the disclaimer notice at the end of this document. |  |

# Transition: undetectable to moderate

|  |  |  |
| --- | --- | --- |
| min | 0.2 | *high confidence* |
| max | 0.4 |

(Information on this transition is not available yet)

# Transition: moderate to high

|  |  |  |
| --- | --- | --- |
| min | 0.4 | *high confidence* |
| max | 0.6 |

(Information on this transition is not available yet)

# Transition: high to very high

|  |  |  |
| --- | --- | --- |
| min | 1.1 | *high confidence* |
| max | 1.3 |

(Information on this transition is not available yet)

# Reference for the source data:

Lawrence, J., B. Mackey, F. Chiew, M.J. Costello, K. Hennessy, N. Lansbury, U.B. Nidumolu, G. Pecl, L. Rickards, N. Tapper, A. Woodward, and A. Wreford, 2022: Australasia. In: *Climate Change 2022: Impacts, Adaptation, and Vulnerability. Contribution of Working Group II to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change.* [Pörtner, H.-O., D.C. Roberts, M. Tignor, E.S. Poloczanska, K. Mintenbeck, A. Alegría, M. Craig, S. Langsdorf, S. Löschke, V. Möller, A. Okem, B. Rama (eds.)]. Cambridge University Press, Cambridge, UK and New York, NY, USA, pp. 1581-1688. <https://doi.org/10.1017/9781009325844.013>  
Alternative direct download: [www.ipcc.ch/report/ar6/wg2/downloads/report/IPCC\_AR6\_WGII\_Chapter11.pdf](https://www.ipcc.ch/report/ar6/wg2/downloads/report/IPCC_AR6_WGII_Chapter11.pdf)

Lawrence, J., B. Mackey, F. Chiew, M.J. Costello, K. Hennessy, N. Lansbury, U.B. Nidumolu, G. Pecl, L. Rickards, N. Tapper, A. Woodward, and A. Wreford, 2022: Australasia Supplementary Material. In: *Climate Change 2022: Impacts, Adaptation, and Vulnerability. Contribution of Working Group II to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change.* [Pörtner, H.-O., D.C. Roberts, M. Tignor, E.S. Poloczanska, K. Mintenbeck, A. Alegría, M. Craig, S. Langsdorf, S. Löschke, V. Möller, A. Okem, B. Rama (eds.)], url: [www.ipcc.ch/report/ar6/wg2/downloads/report/IPCC\_AR6\_WGII\_Chapter11\_SM.pdf](https://www.ipcc.ch/report/ar6/wg2/downloads/report/IPCC_AR6_WGII_Chapter11_SM.pdf)

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