

**CoastAdapt: Data for risk assessment** (<http://coastadapt.com.au/risk-assessment-links-external-data-and-visualisation-sites>)

**Table 2:** Data sources for coastal hazards (all web links accessed 21 May 2016).

| Coastal hazard  | State and developer   | Source of information  |
|---|---|--|
| Inundation from sea level rise, including storm surge | Developed areas of coastline – Qld, NSW, Vic, Tas, SA, WA. CRCSI      | Coastal Risk Australia tool – interactive web tool showing sea inundation using high quality elevation and tide data and bath-tub model<br><a href="http://www.coastalrisk.com.au/">http://www.coastalrisk.com.au/</a>   |
|   | State Government inundation mapping                                   | <a href="http://www.dpac.tas.gov.au/_data/assets/pdf_file/0003/222924/Coastal_Inundation_Mapping_-_Stage_2.pdf">http://www.dpac.tas.gov.au/_data/assets/pdf_file/0003/222924/Coastal_Inundation_Mapping_-_Stage_2.pdf</a>  |
|   | Storm surge – update re BoM   | McInnes, K.L., Church, J. Monselesan, D., Hunter, J.R., O’Grady, J.G., Haigh, I.D., & Zhang, X., 2015: Information for Australian Impact and adaptation planning in response to sea-level rise. <i>Australian Meteorology and Oceanography Journal</i> <b>65</b> , 127-149.  |
| Low-lying areas at risk of inundation                 | All Geoscience Australia and CRCSI                                    | National Elevation Data Portal <a href="http://www.ga.gov.au/scientific-topics/national-location-information/digital-elevation-data/data-contributors">http://www.ga.gov.au/scientific-topics/national-location-information/digital-elevation-data/data-contributors</a>   |
| Catchment flooding                                    | All Geoscience Australia  | Australian Flood Risk Information Portal (catchment flooding mostly) <a href="http://www.ga.gov.au/flood-study-web/">www.ga.gov.au/flood-study-web/</a>  |
|   | All Bureau of Meteorology   | Extreme design rainfall events (intensity-frequency-duration information) <a href="http://www.bom.gov.au/water/designRainfalls/ifd/">http://www.bom.gov.au/water/designRainfalls/ifd/</a>  |
| Extreme wind and cyclones                             | All Bureau of Meteorology   | <a href="http://www.bom.gov.au/cyclone/history/index.shtml">http://www.bom.gov.au/cyclone/history/index.shtml</a>  |
| Erosion   | All Geoscience Australia  | Smartline Coastal Geomorphology Map is available on the OzCoasts website <a href="http://www.ozcoasts.org.au">www.ozcoasts.org.au</a>  |
|   | All Geoscience Australia  | Primary and secondary coastal compartments mapping <a href="https://data.gov.au/dataset/primary-and-secondary-coastal-sediment-compartment-maps">https://data.gov.au/dataset/primary-and-secondary-coastal-sediment-compartment-maps</a>   |
|   | All, but variable coverage Geoscience Australia and state governments | Aerial photography <a href="http://www.ga.gov.au/scientific-topics/earth-obs/accessing-satellite-imagery/aerial-photography">http://www.ga.gov.au/scientific-topics/earth-obs/accessing-satellite-imagery/aerial-photography</a>   |
|   | State government surveys and mapping                                  | <a href="http://www.dpac.tas.gov.au/_data/assets/pdf_file/0004/222925/Coastal_Erosion_Susceptibility_Zone_Mapping.pdf">http://www.dpac.tas.gov.au/_data/assets/pdf_file/0004/222925/Coastal_Erosion_Susceptibility_Zone_Mapping.pdf</a><br><a href="https://www.ehp.qld.gov.au/coastal/development/assessment/erosion-prone-areas#erosion-prone-area-mapping">https://www.ehp.qld.gov.au/coastal/development/assessment/erosion-prone-areas#erosion-prone-area-mapping</a> |
| Recession   | State government mapping or datasets                                  | See Section 6.4 in <i>Information Manual 3: Available Datasets</i> <a href="http://coastadapt.com.au/information-manuals/available-data-datasets-and-derived-information-support-coastal-hazard-assessment-and-planning">http://coastadapt.com.au/information-manuals/available-data-datasets-and-derived-information-support-coastal-hazard-assessment-and-planning</a>   |