

## AUD 1,740M - PERILS Releases Final Loss Estimate for Tropical Cyclone Debbie

First Australian Cat Event with Loss Data Available at Postcode Level

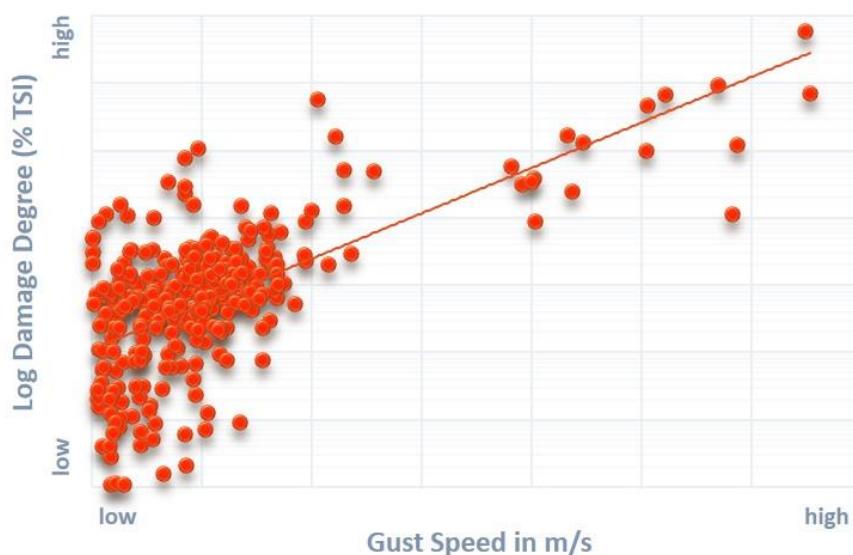
**Zurich, 28 March 2018** – PERILS, the independent Zurich-based organisation providing industry-wide catastrophe insurance data, has today disclosed its fourth and final loss estimate for Tropical Cyclone Debbie, which affected the Australian states of Queensland and New South Wales from 28 March 2017 until the early part of April.

The final estimate of the property insurance market loss is AUD 1,740m. This compares to the third loss estimate of AUD 1,658m which was issued by PERILS on 28 September 2017, six months after the event.

This is the first Australian Cat event for which a market loss footprint, based on loss data collected from affected insurance companies, is available at a postcode level and by property line of business. In addition, the data has been divided between those losses classified as ‘Cyclone’ and those classified as ‘Flood’. The combination of loss information with PERILS market sums insured allows users to derive damage degree functions as a percentage of Total Sums Insured (TSI) for both ‘Cyclone’ and ‘Flood’.

As already available in the third loss report, the loss footprint information is complemented by postcode-level gust-speed values sourced from the European Centre for Medium-Range Weather Forecasts (ECMWF) and Risk Frontiers, and by postcode-level rain intensity measures provided by the Australian Bureau of Meteorology (BOM). This allows subscribers to validate vulnerability functions in probabilistic Cat models with actual, high-quality, independent market data, among other uses.

**TC DEBBIE, MEAN DAMAGE RATIOS (LOSS IN % TSI)  
AUSTRALIA PROPERTY RESIDENTIAL**



**Tropical Cyclone Debbie, Loss as Percentage of Sums Insured vs. Gust Speed:** The chart shows Debbie wind losses in terms of percentage of sums insured (vertical axis) versus gust speed (horizontal axis) for the residential property line of business. Each red dot represents the gust value and loss degree per postcode. This kind of damageability information is an essential component of any Cat risk model as it links the physical intensity of events with expected insurance losses. It can be readily derived from PERILS Industry Exposure and Loss data.

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Darryl Pidcock, Head of PERILS Asia-Pacific, commented: “This final footprint for Debbie has again been produced by collecting detailed loss data from affected insurance companies. The coverage and quality of this information has enabled us to create an accurate loss picture for what was a complex storm, impacting a wide area with flood and wind, and resulting in materially different impacts over the affected areas. This real data also enables subscribers to validate their model assumptions.”

He added: “The preparation of this data requires considerable effort on the part of the data-providing companies. We are extremely grateful for their continued support and remain committed to returning value in the form of high-quality industry data which helps them to manage their exposure to Australian Cat risk.”

### **About PERILS**

PERILS is an independent Zurich-based organisation providing industry-wide natural catastrophe exposure and event loss data. The PERILS Industry Exposure & Loss Database is available to all interested parties via annual subscription. The database contains industry property sums insured and event loss information on a CRESTA zone level and per property line of business. PERILS industry loss estimates provided via the PERILS Industry Loss Index Service can be used as triggers in insurance risk transactions such as industry loss warranty contracts (ILW) or insurance-linked securities (ILS). The service currently covers the following 16 countries: Australia, Austria, Belgium, Canada, Denmark, France, Germany, Ireland, Italy, Luxembourg, the Netherlands, Norway, Sweden, Switzerland, Turkey, and the United Kingdom. The use of PERILS exposure and loss data other than in conjunction with a valid PERILS License and according to its terms, by a Licensee or an Authorized User as defined in the License, is illegal and expressly forbidden.

More information can be found on [www.perils.org](http://www.perils.org)

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