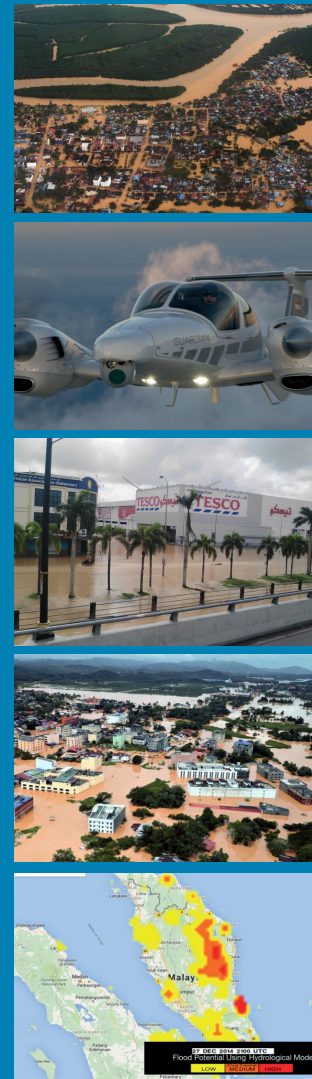


# MALAYSIA FLOODS

## DECEMBER 2014-JANUARY 2015

**EXECUTIVE SUMMARY:** In response to demand for detailed maps showing the extent of flooding in December 2014 through January 2015, Guy Carpenter activated its CAT-VIEW<sup>SM</sup> event response service to produce flood footprints based on unmanned airborne vehicles (UAV) imagery.

The floods were caused by persistent heavy monsoon rainfall that brought prolonged and persistent cloud cover over the flooded areas. The clouds made any optical satellite coverage unreliable. Thus, Guy Carpenter has relied upon high-resolution aerial video for key areas in Malaysia. This imagery was acquired using UAVs flown beneath the cloud cover and acquired at a time close to the peak flood extent and/or just after the event to show the extent of the flood-related damage.



### NUMBER OF FLOOD EVACUEES AS AT 9 PM, DEC 26

STATES	DEC 25	DEC 26 (5 PM)	DEC 26 (9 PM)
KELANTAN	34,955	45,467	45,467
TERENGGANU	29,082	34,884	34,109
PAHANG	28,578	32,380	33,324
PERAK	5,512	6,119	6,335
JOHOR	-	537	896
KEDAH	76	28	28
PERLIS	263	209	209
<b>TOTAL</b>	<b>98,466</b>	<b>119,624</b>	<b>120,368</b>

Source: Bernama

INFOGRAPHIC BY: MUHAMMAD HEJAZI ZAINON / THE MALAYSIAN INDEX

**FLOOD TIMELINE:** Our footprint captures the extent of the flooding that started on December 15, 2014 and continued through January 3, 2015.

**AREAS COVERED:** Our footprint captures the flooding in:

- Pasir Mas December 18
- Kampung Gong Rengas December 18
- Kuala Berang December 24
- Kuala Kangsar December 25
- Dungun December 26
- Cukai December 27
- Kota Bharu December 28
- Rantau Panjang December 29
- Kuala Krai December 29
- Tumpat December 29

**GC's EYE IN THE SKY:** The UAV launch sites, detailed flood extent mapping and the extent of viewable coverage are shown for the Kelantan area.

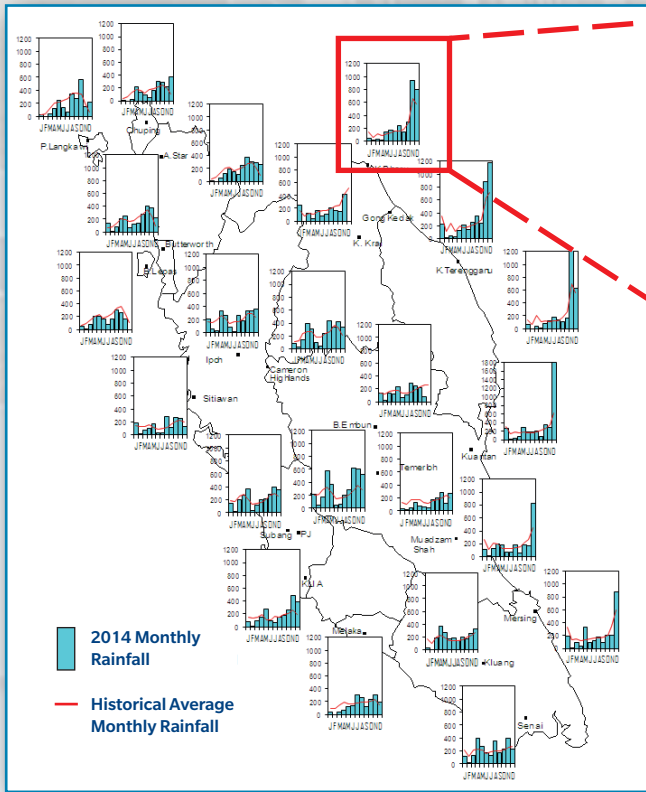


POST-EVENT BRIEFING



**Flood Extent Footprints Available**

*Note: Contact us for an analysis of your exposure showing the amount of exposure in the flood-prone area along with the corresponding water height.*



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