

AHA CENTRE
ASEAN Coordinating Centre
for Humanitarian Assistance
on disaster management

DMRS v5.3.3
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SUMMARY

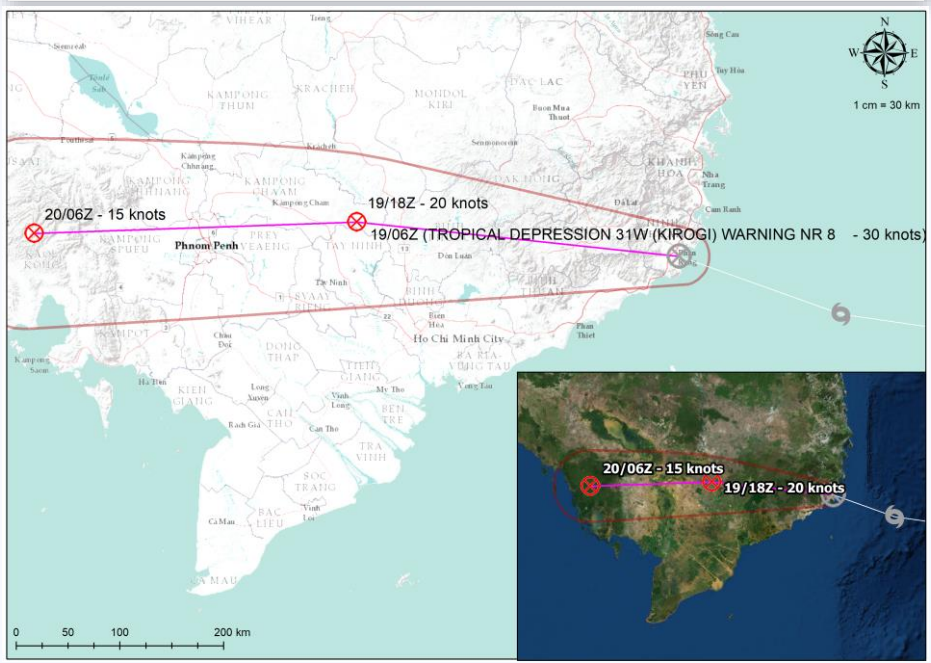
The AHA Centre Disaster Monitoring & Response System (DMRS) maintained the alert level **"WARNING"** for Tropical Storm Kirogi (TS 31).

50 mi 100 km SCALE 1:4 553 647 LAT 11.822 LON 109.963 MGRS 49PCP8705007085

AHA Centre insight for Tropical Storm Kirogi (31)

- Countries at Risk**
Vietnam (VN), landfall est. 19 Nov 2017
Cambodia (KH), landfall est. 20 Nov 2017
- Provinces at Risk**
- | Province | Population |
|-----------------|----------------------|
| Khanh Hoa (VN) | 1.174 million people |
| Ninh Thuan (VN) | 569,000 people |
| Dac Lac (VN) | 1.771 million people |
| Lam Dong (VN) | 1.218 million people |
- Key Cities at Risk**
- | Cities | Province | Population |
|---------------------|------------|------------|
| Nha Trang (VN) | Khanh Hoa | 283,441 |
| Cam Ranh (VN) | Ninh Thuan | 146,771 |
| Phan Rang-Tháp Chàm | Ninh Thuan | 166,871 |
- Keywords:** *floods, landslides, disruption, storm surge, strong winds, rockfall*
- Key Infrastructures at Risk**
- ✓ Cam Ranh Int'l Airport / CXR (VN)
 - ✓ Van Phong Port (VN)
 - ✓ Nha Trang Port (VN)
 - ✓ Dong Hai Port (VN)
- Characteristics of Risk**
- ✓ The affected population is classified as **high risk** (ASEAN Multi Hazard Risk Index).
 - ✓ Tropical Storm Damrey (28) had made landfall on 4 Nov 2017 with most damages sustained in Khanh Hoa, Binh Dinh and Phu Yen.
 - ✓ Storm surges and cold snaps had affected Quang Ngai, Quang Nam and Thua Thien Hue with extensive flooding
 - ✓ Aquaculture goods have been harvested and stored before the storm approaches after lessons learnt from the previous Typhoon Damrey

- Preparedness & Response measures underway**
- ✓ Ninh Thuan province had an urgent ban on fishing boats off the coast from the morning of 18 Nov, and announced, calling for all boats to be anchored safely in the storm shelter before 2100 hrs on the 18 Nov.
 - ✓ More than 2,600 boats have entered shelter safe storm shelter. 535 ships operating at sea were reported to seek refuge
 - ✓ Flood warning between 19-24 Nov have been issued with likely floods on the rivers from Ha Tinh to Binh Thuan, in the Central Highlands and Dong Nai.
 - ✓ The total number of people expected to evacuate is 6,089 households / 28,879 people, now 5 households have been evacuated in Thuan Bac district.
 - ✓ Ensuring safety of tourists and issuing warnings to stay away from coastal areas.



DATA SOURCE
 AHA Centre DMRS; Pacific Disaster Center (PDC Global); Central Steering Committee for Natural Disaster Prevention and Control; General Statistics Office of Vietnam; Global Disaster Alert and Coordination System (GDACS); Joint Typhoon Warning Center (JTWC); Global Administrative Area; Google Earth; WorldPopulation; various news agencies.

DISCLAIMER
 The AHA Centre was established in November 2011 by the Association of South East Asian National (ASEAN) and ASEAN member states to facilitate cooperation and coordination among the Parties, relevant agencies of the United Nations and international organisations in disaster management and humanitarian assistance.

The use of boundaries, geographic names, related information and potential considerations for response are for reference, not warranted to be error free or implying official endorsement from ASEAN Member States.

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