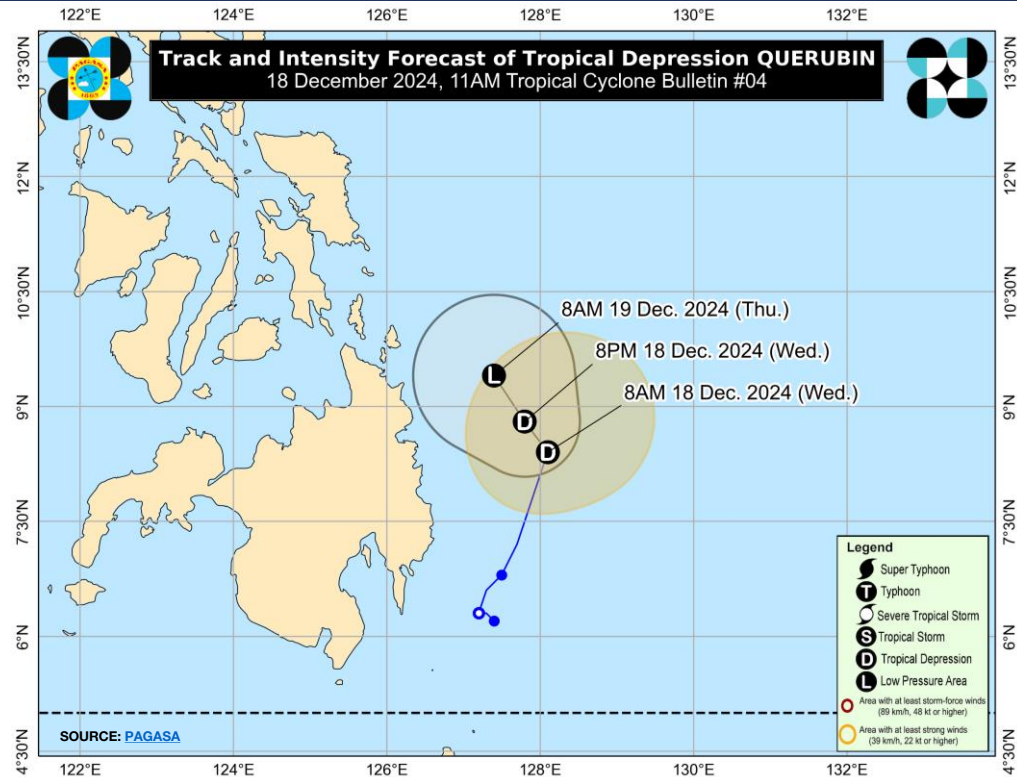
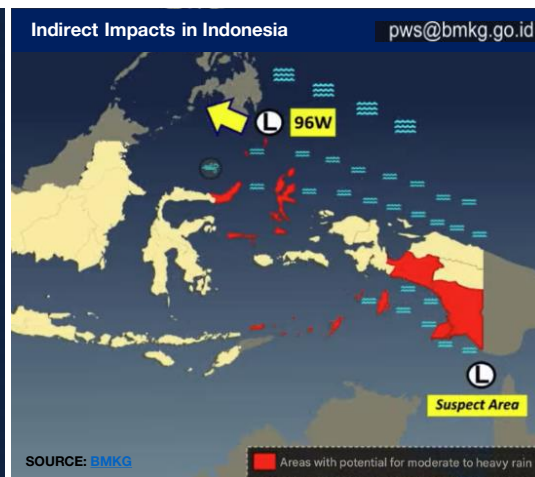
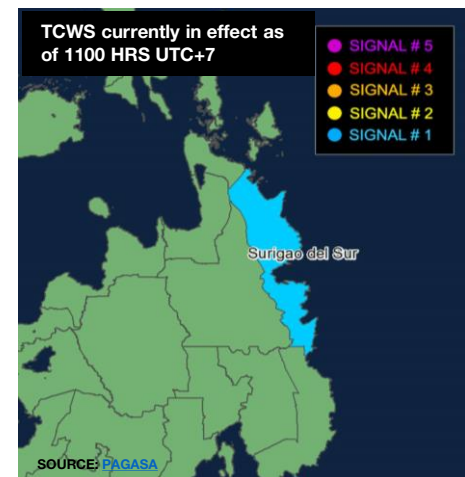


WEDNESDAY
18 DECEMBER 2024
1500 HRS UTC +7

TROPICAL CYCLONE "QUERUBIN" (INVEST 96W) AND SHEAR LINE INDONESIA, MALAYSIA, AND THE PHILIPPINES FLASH UPDATE #1

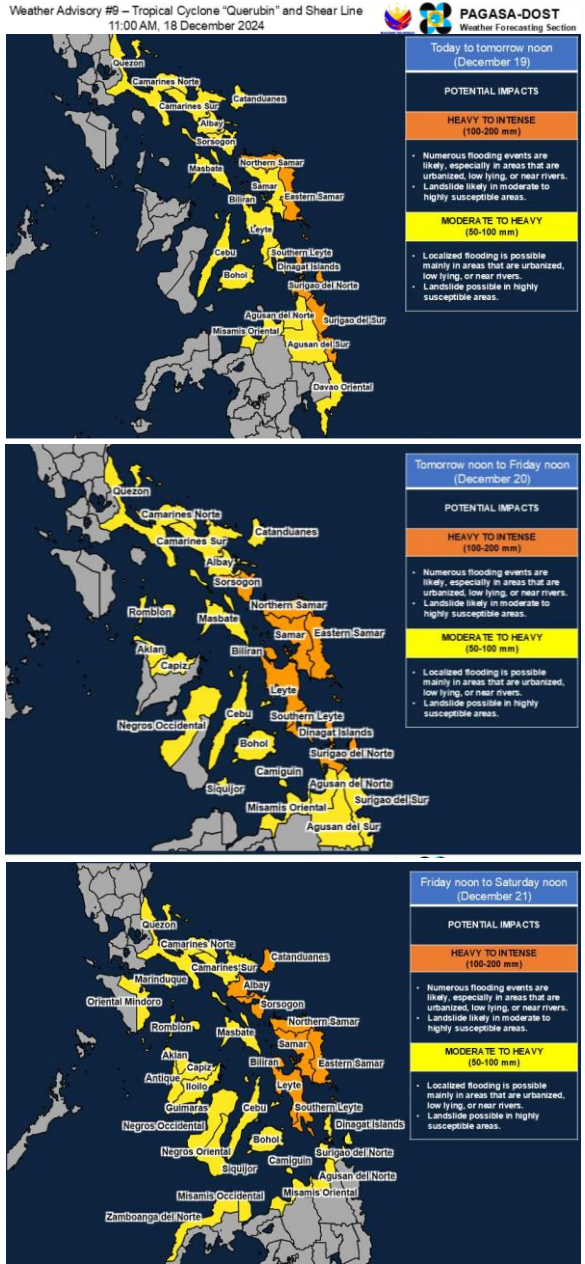
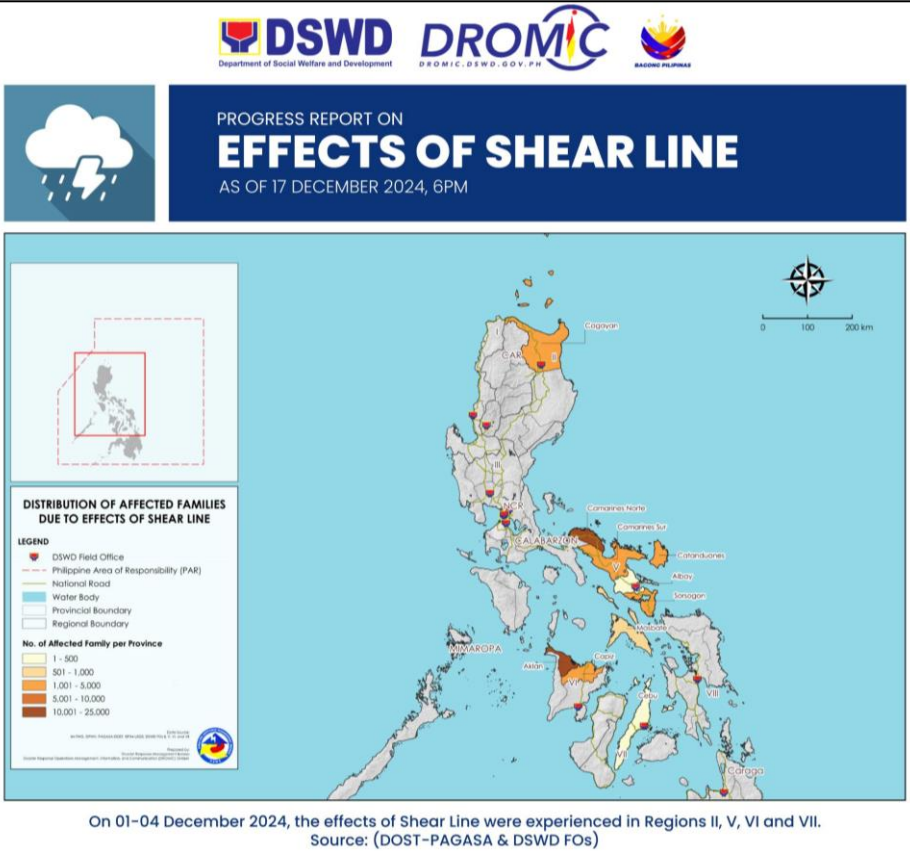


- OVERVIEW:** PAGASA has upgraded the area of convection (INVEST 96W) east of Mindanao into a tropical depression with local name "QUERUBIN." At 1000 HRS UTC+7, the centre of the eye of QUERUBIN was estimated at 195 km East of Hinatuan, Surigao del Sur (08.5 °N, 128.1 °E). In addition, the Shear Line continues to affect eastern sections of the Philippines since the first week of December. According to PAGASA, the Shear Line and QUERUBIN (and their interaction) will potentially bring heavy or intense rainfall over several areas in Visayas and Mindanao, even those far from the projected path of the tropical depression.
- STRENGTH, EXTENT, & MOVEMENT:** According to [PAGASA's](#) Tropical Cyclone Bulletin No. 4:
 - Maximum sustained winds of 45 km/h near the centre and gustiness of up to 55 km/h
 - Moving north northeastward at 10 km/h
- FORECAST:** According to [PAGASA](#),
 - TRACK:** Generally, QUERUBIN is forecast to north northwestward or northward over the waters east of Mindanao within the next 24 hours.
 - INTENSITY:** QUERUBIN is forecast to weaken into a remnant low pressure area. Tomorrow through Sunday (22 December), the remnant low pressure area of QUERUBIN will traverse Mindanao, Sulu Sea, and Palawan. Due to the weak nature of its circulation, the track forecast of QUERUBIN may still shift within the limit of the forecast confidence cone. Although a weakening scenario is expected, **possible re-development into a tropical depression may occur** once the remnant low of QUERUBIN reaches the West Philippine Sea.
- TROPICAL CYCLONE WIND SIGNALS IN EFFECT:**
 - TCWS No. 1** (Warning lead time 12 hrs, range of wind speeds: 118 to 184 km/h) is raised in Surigao del Sur.
- HAZARDS:**
 - Indonesia**
 - According to [BMKG](#), indirect impacts are moderate to heavy rainfall, strong winds, and high waves (rough seas) in North Maluku and North Sulawesi.
 - Malaysia**
 - JMM forecasts thunderstorms in Sabah.
 - Philippines**
 - Severe Winds** – Minimal to minor threat to life and property in areas under TCWS No. 1. The highest Wind Signal which may be hoisted during the occurrence of QUERUBIN is Wind Signal No. 1.
 - Heavy Rainfall** – Heavy or intense rainfall over several areas in Visayas and Mindanao, even those far from the projected path of the tropical depression, due to the combined effects of the Shear Line and QUERUBIN:
 - Today to 19 Dec noon:** Heavy to intense (100-200 mm) in Northern Samar, Eastern Samar, Dinagat Islands, Surigao del Norte, and Surigao del Sur; Moderate to heavy (50-100 mm) in Bicol Region, Quezon, Samar, Biliran, Leyte, Southern Leyte, Cebu, Bohol, Agusan del Norte, Agusan del Sur, Misamis Oriental, Davao Oriental
 - 19 Dec noon to 20 Dec noon:** Heavy to intense (100-200 mm) in Eastern Visayas, Sorsogon, Dinagat Islands, and Surigao del Norte; Moderate to heavy (50-100 mm) in Quezon, Camarines Norte, Camarines Sur, Albay, Catanduanes, Masbate, Romblon, Aklan, Capiz, Negros Occidental, Cebu, Bohol, Camiguin, Misamis Oriental, Agusan del Norte, Agusan del Sur, and Surigao del Sur
 - 20 Dec noon to 21 Dec noon:** Heavy to intense (100-200 mm) in Eastern Visayas, Catanduanes, Albay, and Sorsogon; Moderate to heavy (50-100 mm) in Quezon, Camarines Norte, Camarines Sur, Masbate, Oriental Mindoro, Marinduque, Romblon, Western Visayas, Negros Island Region, Central Visayas, Zamboanga del Norte, Misamis Occidental, Misamis Oriental, Camiguin, Agusan del Norte, Dinagat Islands, and Surigao del Norte.



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- ANTICIPATED RISKS:**
 - Flooding** - In the **Philippines**, numerous flooding events are likely, especially in areas that are urbanized, low lying, or near rivers. The effects of QUERUBIN and the shearline may exacerbate the impacts in areas already affected by the shear line. In **Indonesia** (North Sulawesi and North Maluku) and **Malaysia** (Sabah), flooding and rainfall associated hazards may be triggered if significant rainfall occurs
 - Rain-induced Landslides** - significant rainfall may induced landslides in susceptible areas.
 - Lahar Flow** - In the Philippines, heavy rainfall is expected in areas near Kanlaon in Negros Island, increasing the risk of lahar flow alongside volcanic hazards from ongoing unrest. As of **17 Dec**, the **NDRRMC** reports that 44.1K people have been affected by the eruption, with 18K displaced, including 15.4K in 32 evacuation centres.
 - EFFECTS OF SHEAR LINE IN THE PHILIPPINES:** Since 1 Dec, the shear line has been affecting Regions II, V, VI, and VII. To date, the **DSWD** has recorded the following impacts:
 - 208K affected persons (50.6K families).
 - 2.39K persons are still displaced, of which 2.26K are staying in 22 evacuation centres
 - PREPAREDNESS AND RESPONSE:**
 - Indonesia**
 - BMKG** closely monitors and releases advisories.
 - Malaysia**
 - JMM** closely monitors and provides advisories.
 - Philippines**
 - PAGASA** continues to provide regular advisories and conduct press briefings about TC QUERUBIN and the Shear Line.
 - DENR-MGB** and **NDRRMC- OCD** released the list of areas susceptible to rain-induced landslides and floods in the regions affected by TC QUERUBIN.
 - PHIVOLCS** has also released lahar flow warning for the communities surrounding Mt. Kanlaon. The **NDRRMC- OCD** has ordered the complete evacuation of residents within Kanlaon's danger zone due to ongoing volcanic activity and increased lahar flow risks from expected rainfall from QUERUBIN.
 - Authorities are providing assistance to affected communities and displaced individuals. DSWD has delivered USD 79K in aid.
- The AHA Centre will continue to monitor for further developments and issue necessary updates.

STATUS OF AFFECTED AREAS AND POPULATION

	REGIONS II, V, VI, AND VII AFFECTED AREAS
	391 AFFECTED BARANGAYS
	50,666 AFFECTED FAMILIES
	208,427 AFFECTED PERSONS

STATUS OF DISPLACED POPULATION

INSIDE EVACUATION CENTERS <i>Displaced population currently staying in evacuation centers</i>	OUTSIDE EVACUATION CENTERS <i>Displaced population currently seeking temporary shelter with their friends or relatives</i>
622 FAMILIES	34 FAMILIES
2,262 PERSONS	131 PERSONS
22 OPEN EVACUATION CENTERS	
NUMBER OF DAMAGED HOUSES	
13 TOTALLY DAMAGED	36 PARTIALLY DAMAGED

DATA SOURCES
ASEAN Disaster Monitoring & Response System (DMRS);
Indonesia: BMKG;
Malaysia: JMM;
Philippines: NDRRMC- OCD, PAGASA, PHIVOLCS;
Verified news media agencies

DISCLAIMER
The AHA Centre was established in November 2011 by the Association of Southeast Asian Nations (ASEAN) Member States to facilitate cooperation and coordination among the Member States, 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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Our mailing address is:
AHA Centre,
GRAHA BNPB 13th Floor,
Jl. Raya Pramuka Kav. 38,
Jakarta 13120 Indonesia