**Highlights**

Humanity Road activated its response for Typhoon Koppu (LandoPH) at 10:19am Eastern time, Oct 16, to monitor Typhoon Koppu (Lando) in advance of landfall. The typhoon made landfall in Casiguran in Aurora Province on 18 October at 1:00am in Luzon.

This report is our final situation report for this event. We have processed over 750,000 tweets 25k contain geolocation information. As of Oct 20 NDRRMC reports 290,797 persons affected by Typhoon Lando; 73 road sections, 24 bridges impassable.

The Philippine Government has not asked for international aid. They have asked the International Organization for Migration (IOM) to assist with conducting needs assessments. IOM is also co-chairing a humanitarian agency community engagement working group with UNOCHA to support local government in affected areas with communications and aerial assessments. According to UNOCHA, priority needs are food and non-food items, emergency communications and emergency shelter support. ([source](#)).

**Twitter handles**
- @Humanityroad
- @Disasteranimals
- @jAidDog

**Facebook pages**
- Humanity Road
- Animals in Disaster

Contact: support@humanityroad.org

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*About Humanity Road*: Founded in 2010 as a 501(c)(3) non-profit corporation, Humanity Road is a leader in the field of online disaster response. Through skilled and self-directed work teams, Humanity Road and its network of global volunteers aim to provide the public and disaster responders worldwide with timely and accurate aid information. Providing such information helps individuals survive, sustain, and reunite with loved ones. For more information, please visit [www.humanityroad.org](http://www.humanityroad.org).
Situation Report: Typhoon Koppu (Lando), October 2015 Final Report

Final Situation Report – (period covered: 16-21 October, 2015 PHT)
Prepared by: Humanity Road / Animals in Disaster  Follow: @Humanityroad / @Disasteranimals / @jAIDDog

Situation Overview

Background
Typhoon Koppu began as a tropical storm in the Pacific. It intensified into a typhoon on 16 October 2015 and was renamed Typhoon Lando as it entered the Philippine Area of Responsibility (PAR). On 17 October it was upgraded to a Super Typhoon by the Joint Typhoon Warning Center (source). It officially made landfall in Casiguran in Aurora Province on the island of Luzon on 18 October at 1:00 am PHT as a Category 3 storm (source). The Province of Isabela is also expected to be seriously impacted. The typhoon is expected to deliver extreme rainfall to the northern Philippines this weekend and early next week, triggering flooding and mudslides (source). The state weather service also warned of storm surges of up to 1.2 meters (about four feet) in some coastal areas (source).

Significant Updates (most recent first)
20 Oct: We have processed over 750,000 tweets 25k contain geolocation information. Here are some highlights by location. As of Oct 20 NDRRMC reports 290,797 persons affected by Typhoon Lando; 73 road sections, 24 bridges impassable.

The Philippine Government has not asked for international aid. They have asked the International Organization for Migration (IOM) to assist with conducting needs assessments. IOM is also co-chairing a humanitarian agency community engagement working group with UNOCHA to support local government in affected areas with communications and aerial assessments. According to UNOCHA, priority needs are food and non-food items, emergency communications and emergency shelter support. (source)

UNOCHA map of areas impacted: http://bit.ly/1OGlvBe.

Social Media Highlights:
- Storm is forecast to approach Claveria and Cagayan by Tuesday morning according to PAGASA (source)
- List of flooded areas in the Ilocos Region, Cagayan Valley, and Central Luzon as of 5 pm Monday, October 19. (source)
- As of 6:00 am, 20 Oct, a total of 2,123 damaged houses reported in Regions I, II, III and CAR. (source)
- Abra Province
  Almost 150 families have sought refuge at an evacuation center in Villa Viciosa in Abra
due to the effects of Typhoon Lando, a report on Unang Balita on Tuesday said. Most of the evacuees are children and elderly (source)

- **Aurora Province:**
  - Casiguran - Team 48 Response reached the town at 2:00pm on 19 Oct and reported nearly 100% of the infrastructure is damaged and electricity and communications are out. Two people died and 20 are injured. Relief needed: food packs, medical supplies, temporary shelter, hygiene kits, water purification, and generator sets. It is likely that the electricity will be out for weeks. Many poles are down (source).

- **La Union Province:**
  - Part of the seawall in San Fernando City, La Union collapsed due to strong waves. 627 families or 2,500 persons affected in San Fernando City (source).

- **Benguet Province:**
  - Baguio - floods partially submerged houses and buildings in City Camp Lagoon. Around 700 families were safely evacuated from their homes. (source).

- **Nueva Ecija Province:**
  - Cabiao - severe flooding. (photo)
  - 80% of 27 villages were flooded affecting 45,000 people (source).

- **Cagayan Province:**
  - Primavera - no electricity, water, network. (source)
  - Tuguegaro - massive flooding revealed by drone. (source).

- **5.8 earthquake recorded SSW of Manila in the Philippines south of areas hardest hit by Typhoon Koppu. (source)**

19 Oct:

- No power supply province-wide in Pangasinan, Quirino, Nueva Vizcaya, Aurora, Apayao and Kalinga. (source)
- via NDRRMC: Communication in Dinalungan and Dilasag Aurora has been restored, while communication still down in Casiguran. (source)
- **NDRRMC OpCen @NDRRMC_OpCen** RT @jvmgrospe: #RescuePH @ProjectAgos Primavera Subd near SM mall along national hwy south of Cabanatuan, homes submerged. Rescue needed.
- There are 158 totally, and 871 partially, damaged houses reported in Aurora as of 8:00AM local time PHT (source).
- Aurora (as of 19 Oct at 2:00 am local time PHT) Note: *the absence of information emerging in social media may potentially indicate challenges with communications from some impacted areas.*
  - Casiguran Population 23K - monitored but no updates in social media
  - Dinalungan - Population 11K - monitored but no updates in social media
  - Dingalan - Population 23K - monitored but no updates in social media
  - Dilasag - Population 15K - monitored but no updates in social media
  - Baler - Population 36k - damage reports emerging Oct 18 photo (source)
  - San Luis Population 25K - police rescue activity Oct 18 photo (source)
- NDRRMC Situation Report 07 released Oct 19 12:00am (source)
- Via Ebayanihan - Most of the #RescuePH reports are for Central Luzon (source)
- Nueva Ecija - Flooding and urgent requests for rescue being reported
  - Cabanatuan City - Rescue activity underway including hospitals (video)
    - Premiere Medical Center Cabanatuan City 1st floor flooded (source)
    - El J Hospital Bitas, Cabanatuan City - unconfirmed report of patients on roof needing rescue (source)
    - Head high water at 10:15pm Oct 18 (source) El J Hospital Bitas, Cabanatuan City Nueva Ecija, Central Luzon - unconfirmed report of patients on roof needing rescue (source)
  - Santa Rosa (source)
  - San Antonio (source)
  - Gapan - Response teams stranded in Gapan on way to Cabanatuan (source)
  - Zamboales - Flooding and urgent requests for rescue being reported
    - Canaynayan, Santa Cruz (source)

18 Oct:
- NDRRMC Oct 18 12nn: A total of 4,092 families or 16,489 persons are being served inside and outside evacuation centers (source).
- Unverified report of need for food, water, and other relief supplies in Baler, Aurora. 2,556 evacuees in Baler Central High School, Aurora National Science High School, and Brgy. Hall in Baler. There has been no contact with the following towns: Dinalungan, Casiguran, and Dilasag. (source). The towns of Dinalungan, Casiguran, and Dilasag are isolated due to landslides on the Baler-Casiguran Road (source).
- Premiere General Hospital in Baler, Aurora has been damaged. 31 patients evacuated. (source)
- Diteki river has overflowed in Brgy. San Isidro, San Luis, Aurora. PNP now rescuing residents. (source)
- 5,039 passengers stranded in seaports. (source)
- Reports in Casiguran of lots of houses damaged by strong winds. Reports are being verified (source). Houses damaged in Baler, Aurora. (source).
- 2,176 families or 8,952 persons from the eight towns of Aurora are currently in 60 evacuation centers (source).
- A total of 219 persons (72 families) from Isabela and Dinapigue are in shelters (source).

17 Oct:
- Dinalungan: Total number of evacuees as of 6:30 pm 10/17, 97 families, 394 persons in total. (source)
- Over 1,200 families evacuated, mostly from the province of Isabela. (source)
- Over 1,000 families evacuated from Aurora Province. (source)
- “No Fishing, Sailing, Boating Policy” in the municipalities of Lingayen and Agno, Pangasinan. Baler Municipal Tourism Office Advised tourists to cancel their visits to Baler until weather permits. There are directives in place for no outdoor activities along the beaches of Baler, Aurora and other coastal municipalities. Warnings have
been issued for low lying areas for possible flashfloods and storm surge on coastal areas.

### National Links

- **Philippine National Disaster Response Pillar and Cluster Updates**
  - **NDRRMC - National Disaster Risk Reduction and Management Council**
    - [NDRRMC Report No. 7](#), 19 Oct 12:00am
    - [NDRRMC Report No. 6](#), 18 Oct 12:00nn
    - [NDRRMC Report No. 5](#), 17 Oct 9:00 pm
    - [NDRRMC Report No. 4](#), 17 Oct, 8:00am
    - [NDRRMC Report No 3](#), 16 Oct, 8:00 pm
    - [Response Cluster Update No 3](#), 17 Oct, 3:00am
    - [Response Cluster Update No 2](#), 16 Oct.

- **PAGASA-DOST - Philippine Atmospheric, Geophysical & Astronomical Services Administration**
  - [Severe Weather Bulletin](#), #14, 18 Oct, 11:00am
  - [Heavy Rainfall Warning No 3](#), 18 Oct, 7:00am
  - [Severe Weather Bulletin #13](#), 18 Oct, 5:00am
  - [Severe Weather Bulletin #12](#) 17 Oct 11:00 pm
  - [Severe Weather Bulletin #11](#), 17 Oct, 5:00 pm
  - [Severe Weather Bulletin #10](#), 17 Oct, 11:00am
  - [Severe Weather Bulletin #9](#), 17 Oct, 5:00am

- **Government #LandoPH Updates website**
- **Philippine Information Agency, [@PIAalerts](#)**
- **Philippine Red Cross, [@philredcross](#)**
- **Armed Forces of the Philippines (AFP)**
  - [Situation Update from AFP](#), 17 Oct, 9:00pm

### Regional and Local Links

**List of Regions in Luzon** with regional centers and cities/towns - each has active link to Wikipedia information.

**Provinces under Public Storm Signals (as of 18 Oct, 5:00am PHT):**

**Storm Signal No. 4:**
- [Aurora](#)

**Storm Signal No 3:**
- [Ifugao, Isabela, Northern Quezon, Nueva Ecija, Nueva Vizcaya, Polillo Island, Quirino](#)

**Storm Signal No 2:**
Apayao, Benguet, Bulacan, Cagayan (including Babuyan and Calayan Islands), Kalinga, Metro Manila, Mountain Province, Pampanga, Pangasinan, southern Quezon, Rizal, Tarlac,

Storm Signal No 1:
Abra, Bataan, Batanes, Batangas, Camarines Norte, Cavite, Ilocos Norte, Ilocos Sur, Laguna, La Union, Zambales

<table>
<thead>
<tr>
<th>Emergency Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Emergency Phone Numbers</strong></td>
</tr>
<tr>
<td>● National Emergency Telephone Number: 117</td>
</tr>
<tr>
<td>● National Disaster and Risk Reduction and Management Council (NDRRMC):</td>
</tr>
<tr>
<td>○ Hotlines: (02) 911-1406, (02) 912-2665, (02) 912-5668</td>
</tr>
<tr>
<td>○ Trunklines: 911-5061 to 65</td>
</tr>
<tr>
<td>● Philippine International Police:</td>
</tr>
<tr>
<td>○ Hotline: 117, 723-0401</td>
</tr>
<tr>
<td>○ Text hotline: 0917-847-5757</td>
</tr>
<tr>
<td>● Philippine Coast Guard:</td>
</tr>
<tr>
<td>○ Trunkline: (02) 527-8481 to 89</td>
</tr>
<tr>
<td>○ Action Center: (02) 527-3877</td>
</tr>
<tr>
<td>○ Globe: 0917-PCG-DOTC, 0917-724-3682</td>
</tr>
<tr>
<td>○ Smart: 0918-967-4697</td>
</tr>
<tr>
<td>● Red Cross:</td>
</tr>
<tr>
<td>○ Hotline: 143</td>
</tr>
<tr>
<td>○ Trunkline: (02) 527-0000</td>
</tr>
<tr>
<td>● PHILVOLCS</td>
</tr>
<tr>
<td>○ Trunkline: (02) 426-1468</td>
</tr>
<tr>
<td>● Department of Social Welfare and Development (DSWD):</td>
</tr>
<tr>
<td>○ Text hotline: 0918-912-2813</td>
</tr>
<tr>
<td>○ Trunkline: (02) 931-81-01</td>
</tr>
<tr>
<td>○ Disaster response unit: 856-3665, 852-8081</td>
</tr>
<tr>
<td>● Philippine Atmospheric, Geophysical, and Astronomical Services Administration (PAGASA):</td>
</tr>
<tr>
<td>○ Public information: (02) 434-2696</td>
</tr>
<tr>
<td>○ Weather forecasting: (02) 926-4258, (02) 927-1541</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Regional Hotlines</th>
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</thead>
<tbody>
<tr>
<td>● Nueva Ecija hotlines:</td>
</tr>
<tr>
<td>○ 0927-998-1467</td>
</tr>
<tr>
<td>○ 0916-143-9320</td>
</tr>
<tr>
<td>○ (044) 950-5760</td>
</tr>
<tr>
<td>○ Rizal City: help and rescue - 0975-930-0039</td>
</tr>
<tr>
<td>○ Cabanatuan City: 0942-551-4485</td>
</tr>
</tbody>
</table>
Maps/Situational Awareness

Philippine Regions and Provinces


Map of Track as of Oct 18 11:00pm - Follow @dost_pagasa for real time updates

Shelters

18 Oct:

- NDRRMC Oct 18 12nn: A total of 4,092 families or 16,489 persons are being served inside and outside evacuation centers (source)
- PRC-OPCen Oct 18 10am: 41 evacuation centers with 2,383 families and 5,332 individuals source
- PIA-CAR/BAGUIO CITY: DSWD reported the preemptive evacuation of 270 families/1028 individuals brought to evacuation centers. (source)
- PIA-3: Per DSWD #LandoPH, has displaced 2,176 families or 8,952 persons in the eight towns of Aurora. They are currently in 60 evacuation centers. (source)

16 Oct:  
- Department of Education La Union, IV-A and V identified schools for immediate evacuation centers and activated their evacuation centers and Operation Centers.
- Evacuees at Baler Municipal Building (Facebook)

### Hospitals

#### Status of Hospitals:

19 Oct  
- Rescue activity underway in Cabanatuan City including hospitals (video)  
  - Premiere Medical Center Cabanatuan City 1st floor flooded (source)  
  - El J Hospital Bitas, Cabanatuan City - unconfirmed report of patients on roof needing rescue (source)

18 Oct:  
- Premiere General Hospital in Baler, Aurora has been damaged. 31 patients evacuated. (source)

#### Hospital Locations:  
List of Hospitals in the Philippines

### Urgent Needs & Relief

#### Reported Needs:

20 Oct:  
- Casiguran, Aurora - Relief needed: food packs, medical supplies, temporary shelter, hygiene kits, water purification, and generator sets. It is likely that the electricity will be out for weeks. (source).

19 Oct:  
* Central Luzon - Trucks for rescuers and rescue equipment (source)  
- Volunteers with boats and trucks are needed to help with rescue and relief efforts. Sign up here: http://bit.ly/1NkMNd6  
- Aurora (as of Oct 19 at 2:00am local time PHT)  
  - Casiguran Population 23K - monitored but no updates in social media  
  - Dinalungan - Population 11K - monitored but no updates in social media  
  - Dingalan - Population 23K - monitored but no updates in social media  
  - Dilasag - Population 15K - monitored but no updates in social media  
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    - Head high water at 10:15pm Oct 18 (source) El J Hospital Bitas, Cabanatuan City Nueva Ecija, Central Luzon - unconfirmed report of patients on roof needing rescue (source)
  - Santa Rosa - People need rescue (source) second report (source)
  - San Antonio (source)
  - Gapan - Response teams stranded in Gapan on way to Cabanatuan (source)
  - Zambales - Flooding and urgent requests for rescue being reported
    - Canaynayan, Santa Cruz (source)

- Reported that the following towns are isolated: Casiguran, Dilasag, Dinalungan, Dipaculao. (source) The towns of Dinalungan, Casiguran, and Dilasag are isolated due to landslides on the Baler-Casiguran Road. (source)

- Unverified report of need for food, water, and other relief supplies in Baler, Aurora. 2,556 evacuees in Baler Central High School, Aurora National Science High School, and Brgy. Hall in Baler. There has been no contact with the following towns: Dinalungan, Casiguran, and Dilasag. (source)

Prepositioned relief supplies:
- 44,450 family food packs have been prepositioned in ten provinces (87 municipalities).
- Malong blankets, towels, mosquito nets, dusk masks and family kits have been procured.
- 349 trucks and 334 pieces of heavy equipment are on standby (source).

### Vulnerable Populations

20 Oct:
- Unicef Philippines is operating to find out children and families impacted by the storm. Unicef is to supply around 12,000 families with water, medicines, purification tablets etc… (source)

### Schools
Damaged Schools:
19 Oct:
- Mt Carmel High School, Casiguran, Aurora damaged. ([photo](#))

Information on Suspensions:
Department of Education Announcements on class suspensions: [Facebook](#), [Twitter](#)
School updates on Twitter: [#walangpasok](#)

20 Oct:
- Class suspensions for 20 Oct ([source](#)). Classes suspended in Dagupan and San Carlos City in Pangasinan, Nueva Ecija, Cavite and San Fernando City in La Union ([source](#))

16 Oct:
- [Class suspensions](#)

Airports

Flights and Airport Status:

19 Oct: NDRRMC Situation Report 7 - As of 12:00am A total of 32 flights (30 domestic and 2 international flights) have been cancelled due to bad weather. ([source](#))

18 Oct: Number of cancelled domestic flights increases. ([source](#))

16 Oct: [List of flights cancelled](#).

Airports:

**Manila Ninoy Aquino International Airport**
Andrews Ave, Pasay, 1300 Metro Manila, Philippines
Tel: +63 2 877 7888

**Clark International Airport**
Serves the general vicinity of central and northern Luzon
Tel: (+63) 45 599 - 2888 to 92, (+63) 45 599 - 2895 to 97, (+63) 45 499 - 4467 to 68
info@clarkairport.com
Civil Aviation Complex, Clark Freeport Zone, Pampanga, Philippines 2023

**Subic Bay International Airport**
Bldg. 229 Waterfront Road, Subic Bay Freeport Zone, Philippines
Tel: +6347 252 4000

**Laoag International Airport**
Paliparang Pandaigdig ng Laoag, Laoag City, Ilocos Norte, Philippines
Tel: +63 77 607 0246

Maritime (Shipping, Ports)

18 Oct:
### 17 Oct:
- 5,039 passengers stranded in seaports. [source]
- 9:00pm A total of 5,234 Passengers, 58 vessels, 45 motorized bancas and 452 rolling cargoes are stranded due to rough sea conditions [source]
- 5:00am - Gale Warning - Strong to gale force winds is expected to affect the western and southern seaboards of Southern Luzon, the seaboards of Visayas and the eastern seaboard of Mindanao. [source]
- 4:00am - Stranded vessels in Bicol, N.Eastern Luzon & S.Tagalog: passengers-330; vessels-19, mbcas-3 & rolling cargoes-58. [source]

### Roads, Bridges

#### 19 Oct:
- List of closed roads: [source]
  - A total of 18 roads and 13 bridges in Regions II, III, V, and the Cordillera Administrative Region (CAR) were rendered impassable due to the strong rains brought by Typhoon Lando. - [source]

#### 18 Oct:
- Oct 18 12nn - NDRRMC Sitrep No 06 reports that Fourteen (14) road sections and ten (10) bridges are not passable due to flooding and landslides in Regions II, III, V, and CAR. See Tab D on page 9 for complete list [source]
- Report from seminarians in Nueva Ecija that a bridge collapsed due to massive river flooding. [source]
- List of impassable roads due to landslides and flashfloods according to NDRRMC. [source]
- Roads blocked in Cordiller region. [source]
- Roads impassable due to landslides in Quirino: Cordon - Aurora boundary rd, Catanduanes: Brgy Barihay, San Andres. [source]
- Unpassable due to landslides: Claveria, Clanarasan road, Benguet - Nueva Vizcaya Rd, Yapaz Section, Mt Province - Calaca Rd. [source]
- Pama: 10 road sections, 8 bridges unpassable due to landslides and flashfloods. [source]
- Bridges impassable due to flashfloods: Cagayan - Tawi Overflow bridge, Isabela: Baculod overflow bridge, Cabisera 8 overflow bridge. [source]
- Gucab overflow bridge in Echague, Annafunan overflow bridge in echague, Cansan overflow bridge, Sta Maria Overflow bridge, Sta Maria. [source]
- Aurora, Baler-Casiguran Rd. Bungo River portion, Catanduanes: parts of circumferential Rd impassable. [source]

### Communications

#### Status of Communication Networks

#### 19 Oct:
- via NDRRMC: Communication in Dinalungan and Dilasag Aurora has been restored, while communication still down in Casiguran. [source]
- NDRRMC Sitrep 07 Oct 19 12am - no communications in the Municipalities of Dinalungan, Casiguran, and Dilasag (DiCaDi), Aurora.
- NDRRMC Sitrep 06 Oct 18 12nn - no communications in the Municipalities of Dinalungan, Casiguran, and Dilasag (DiCaDi), Aurora.
- Still no reception from AM and FM stations in Bangued. Telecom service is also limited.

18 Oct:
- Communications are down to the towns of Dinalungan, Casiguran, and Dalasag in Aurora province. (source)
- Smart cell service down in Aurora Province. (source)
- Pama says communication lines in these areas are affected: Dinalungan, Dilasag, portions of Baler. In Nueva Ecija: Palayan city. (source)
- Report of phones down in Maligaya Caloocan area. (source)
- Report of phones down in Pangasinan. (source)
- Report of phones down in Quirino. (source)

17 Oct:
- Communications van and mobile communications tower prepared for deployment if needed. (source)
  - Office of Civil Defense - Central Office (OCD-CO) placed satellite phone systems at OCD-CO and Regional Offices 1, 2, 3, 4A, 4B, 5 and CAR are on standby.
  - Armed Forces of the Philippines (AFP) is on standby to assume control of HADR. CEISSAFP units at Regions 1, 2, 3, 4A, 4B, 5 and CAR are alerted and on standby to provide emergency radio communications through HF, VHF and UHF spectrum.
  - Philippines National Police (PNP) - Units in Regions 1, 2, 3, 4A, 4B, 5, and CAR, are on standby to provide emergency radio communications.
  - Bureau of Fire Protection (BFP) is on standby in Regions 1, 2, 3, 4A, 4B, 5, and CAR to provide emergency radio communications.
  - Smart/Sun has prepositioned equipment and personnel on standby to restore services.
  - One Red Cross team is on radio telecommunications.
  - MovePH monitoring social media and broadcasting news and advisories.
  - Emergency Response Integration Center (ERIC) provided an online information board to coordinate operations: Philippine National Disaster Response Pillar.

Communications Companies & Contact Information

Smart Wireless
Contact (subscribers only), Facebook, Twitter

Globe Wireless
Tel: +63 2.730.1000 (Customer Care)
Contact (subscribers only), Twitter
**Water**

### Status of Water Supply

**Companies & Contact Information**

Manila Water Company  
Tel: 917-5900 local 1520, info@manilawater.com

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**Power & Gas**

### Status of Power & Gas

19 Oct:
- No power supply province-wide in Pangasinan, Quirino, Nueva Vizcaya, Aurora, Apayao and Kalinga. ([source](#))

18 Oct:
- No power in most part of eastern, central and western Pangasinan. ([source](#))
- Areas with power interruptions are in Quirino, Cagayan: Tuguegarao, Quezon: Infanta, Real and General Nakar. ([source](#))
- Power outages in Region 1: Ilocos Norte: Adams, Burgos, Banggi, Pagudpod, Dumalneg and portions of Bacarra. ([source](#))
- Power outages in Aurora: Casiguran, Dimaculao, Dinalungan, Dilasag and portions of Baler. In Nueva Ecija: Calayan City. ([source](#))
- Power outages in Region IV A - Rizal, Cardona-Talim Island, Apayao - Conner, Kalinga - Balbalan, at Pinukpok. ([source](#))
- Strong winds across Pangasinan, with low amount of rainfall. Power is down & phone signal is weak. Dagupan now in knee-deep water. ([source](#))
- Report of power outage in Maligaya Caloocan area. ([source](#))
- Report or power down in western Tarlac. ([source](#))
- Report of power outage here at Cabanatuan. ([source](#))
- Report of power out in Bacoor, Cavite. ([source](#))
- No power in the immediate vicinity of the capitol building in Baler, Aurora. ([source](#))
- At a little past 1 am, the Philippine Red Cross (PRC) reported loss of power in Bgy Isteves in Aurora Province, Santiago City in Isabela also in Aurora, and the municipality of Nagtipunan and Madella in Quirino. ([source](#))

17 Oct:
- Power is out in the Baler, Aurora, Philippines area ([source](#))
- Unbound organization staff reporting strong wind and rain and power outage in Isabela province. ([source](#))

**Companies & Contact Information**

National:  
National Grid Corporation of the Philippines, Twitter
**Office & Contact Information**
Philippine Red Cross
37 EDSA corner Boni Avenue
Mandaluyong City 1550
Hotline: 143, Trunkline (+ 63 2) 790-2300

[https://www.facebook.com/phredcross/timeline](https://www.facebook.com/phredcross/timeline)
[https://twitter.com/philredcross](https://twitter.com/philredcross)
[https://www.youtube.com/user/philredcrosstv](https://www.youtube.com/user/philredcrosstv)
[https://instagram.com/philredcross/](https://instagram.com/philredcross/)

**Pictures and Videos**

19 Oct:
- Photo: [Flooding in Camiling, Tarlac](https://www.facebook.com/phredcross/timeline)
- Drone Footage: [Massive flooding in Tuguegarao, Cagayan](https://twitter.com/philredcross)
- Photos: [Flooding in Tuguegarao, Cagayan](https://www.youtube.com/user/philredcrosstv)
- Photos: [Aurora, photos of damage and list of Urgent needs](https://instagram.com/philredcross/)
- Photo: [@philredcross have rescued 111 people and assisted 100 after Typhoon #Koppu](https://twitter.com/philredcross)
- Photos: [Casiguran, Aurora: Damage to hospital, school, church, NFA warehouse](https://www.youtube.com/user/philredcrosstv)
- Photo: [Baguio: submerged houses and flooding streets](https://instagram.com/philredcross/>
- Video: [Damage in San Luis, Aurora](https://twitter.com/philredcross)
- Photo: [Power poles down, Casiguran, Aurora](https://www.youtube.com/user/philredcrosstv)
- Photo: [Damage in Casiguran, Aurora](https://twitter.com/philredcross)
- Photo: [Flood and damage in Casiguran, Aurora](https://www.facebook.com/phredcross/timeline)
- Photos: [Landslides, flash floods along Tuba, Benguet, going to Baguio](https://instagram.com/philredcross/)
- Photo: [Submerged cars in flood water in Cabanatuan, Nueva](https://twitter.com/philredcross)
- Photos: [Overflowing Cagayan River still causing flooding in Tuguegarao](https://www.facebook.com/phredcross/timeline)

18 Oct:
- Photo: [Massive flooding in Brgy. San Isidro, San Luis, Aurora](https://twitter.com/philredcross)
- Photo: [Police trying to rescue residents-San Isidro, San Luis, Aurora](https://www.facebook.com/phredcross/timeline)
- Photo: [Flooding in Brgy. Diome, Maria, Aurora](https://twitter.com/philredcross)
- Photo: [San Pedro bridge in Maddela, Aurora](https://www.facebook.com/phredcross/timeline)
- Photo: [Fallen trees along the highway in Santiago, Isabela](https://twitter.com/philredcross)
- Photo: [Cagayan River flooding the cornfields in Enrile, Cagayan](https://instagram.com/philredcross/)
- Photos: [Houses damaged in Baler, Aurora](https://twitter.com/philredcross)
- Photos: [Highway sa San Luis, Aurora](https://twitter.com/philredcross)
- Video: [San Luis, Aurora](https://www.facebook.com/phredcross/timeline)
- Video: [Dawn in Baler, Aurora](https://twitter.com/philredcross)
- Photo: [Tree and road damage in Isabela Province](https://www.facebook.com/phredcross/timeline)
- Photo: [Flood in Nueva Ecija](https://twitter.com/philredcross)
<table>
<thead>
<tr>
<th>Facebook Accounts of Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PAGASA-DOST</strong></td>
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<tr>
<td>NASA's Hurricane Web Page</td>
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<td>NDRRMC Opcen</td>
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<td>NoyNoy Aquino</td>
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<td>Official Gazette of the Republic of the Philippines</td>
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<td>Department of Education Philippines</td>
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<td>eBayanihan</td>
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<td>Zero Casualty - Project Agos</td>
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<td>ABS-CBN News</td>
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<td>GMA News</td>
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<td>Rappler</td>
</tr>
<tr>
<td>Typhoon Koppu Lando (24W) - Westernpacificweather community</td>
</tr>
</tbody>
</table>

| Twitter |
Hashtags:

Official event hashtag: #LandoPH
Other important hashtags: #typhoon #Koppu #Luzon #Philippines

Designated hashtags for disaster information and help:
#FloodPH - report flooding
#RescuePH - rescue needed
#ReliefPH - relief information
#NoWater - reports on water shortage
#NoPower - report power outages
#StormSurgePH - storm surge reports
#MovePH - volunteer for scanning and mapping online reports
@DepEd_PH, #WalangPasok - class suspensions
#RoadAlert - traffic reports (roadblocks, damaged bridges)
#TsunamiPH - tsunami reports
#TracingPH - report missing persons
#UlanPH - reports of rainfall

Location Hashtags:
#Isabela #MetroManila #Pampanga
#NCR = National Capital Region (Manila)

Twitter Accounts of Interest
@NDRRMC_OpCen - NDRRMC
@dost_pagasa - PAGASA-DOST
@govph - official gazette of Philippines government
@PIANewsDesk - Philippine Information Agency
@PIAlerts - Philippine Information Agency
@PIACordillera - public information from Cordillera Region
@PIARIII - public information Gtnang Luzon
@disasters_ph - Consolidate Philippine disaster info.
@doh_philippines - Department of Health
@PhilCoastGuard1 - Philippine Coast Guard
@TeamAFP - Armed Forces of the Philippines
@DepEd_PH - Department of Education
@philredcross - Philippine Red Cross
@dswd|serves - DSWD
@DSWD_Dos - DSWD Cagayan Valley
@PNR_GovPH - Philippine National Railways
@CAAP_Operations - Civil Aviation Authority
@MMDA - Metro Manila Development Authority
@BDRRMO_OpCen - City of Bacoor Emergency Management Office
@RescuePH - crowdsourced disaster response
@ReliefPHcom - crowdsourced relief information
@MovePH - civic engagement arm of Rappler
@eBayanihanTeam - crowdsourcne for disasters
@ProjectAgos - disaster information from Rappler
Traditional Media and Blogs

Television
List of TV stations in the Philippines

Radio
List of radio stations
List of live streaming radio stations

Animals in Disaster

Animal Shelters
Animals need shelter from the rain too: #LandoPH | via @PAWSPhilippines #RescuePH
https://twitter.com/PIA_NCR/status/655401400822726656

Veterinarians

Organizations Rescuing or Accepting Animals
Philippines Animal Rescue
International Fund for Animal Welfare

Volunteers Reporting

Alice, Aline, Allyson, Cat, Chris, Christoph, Dana, Joshua, Julie, Lloyd, Robin, Alberto

LIST OF LUZON REGIONS (SOURCE)

<table>
<thead>
<tr>
<th>Region (regional designation)</th>
<th>Regional center</th>
<th>Component local government units</th>
<th>Population (2010)</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Capital Region (NCR)</td>
<td>Manila</td>
<td>Caloocan Las Piñas Makati Malabon Mandaluyong Manila Marikina Muntinlupa</td>
<td>11,855,975</td>
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<tr>
<td>Region (regional designation)</td>
<td>Regional center</td>
<td>Component local government units</td>
<td>Population (2010)</td>
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</tr>
<tr>
<td><strong>Cordillera Administrative Region</strong> (CAR)</td>
<td>Baguio</td>
<td>Abra Abayao Baguio Benguet Ifugao Kalinga Mountain Province</td>
<td>1,616,867</td>
</tr>
<tr>
<td><strong>Ilocos Region</strong> (Region I)</td>
<td>San Fernando (La Union)</td>
<td>Dagupan Ilocos Norte Ilocos Sur La Union Pangasinan</td>
<td>4,748,372</td>
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<tr>
<td><strong>Cagayan Valley</strong> (Region II)</td>
<td>Tuguegarao</td>
<td>Batanes Cagayan Isabela Nueva Vizcaya Quirino Santiago</td>
<td>3,229,163</td>
</tr>
<tr>
<td><strong>Central Luzon</strong> (Region III)</td>
<td>San Fernando (Pampanga)</td>
<td>Angeles Aurora Bataan Bulacan Nueva Ecija Olongapo Pampanga Tarlac Zambales</td>
<td>10,137,737</td>
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<tr>
<td><strong>CALABARZON</strong> (Region IV-A)</td>
<td>Calamba</td>
<td>Batangas Cavite Laguna Lucena Quezon Rizal</td>
<td>12,609,803</td>
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<tr>
<td><strong>MIMAROPA</strong> (Region IV-B)</td>
<td>Calapan</td>
<td>Marinduque Occidental Mindoro Oriental Mindoro Palawan Puerto Princesa Romblon</td>
<td>2,744,671</td>
</tr>
<tr>
<td>Region (regional designation)</td>
<td>Regional center</td>
<td>Component local government units</td>
<td>Population (2010)</td>
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</tr>
<tr>
<td>Bicol Region (Region V)</td>
<td>Legazpi</td>
<td>Albay Camarines Norte Camarines Sur Catanduanes Masbate Naga[23] Sorsogon</td>
<td>5,420,411</td>
</tr>
</tbody>
</table>