



REPUBLIC OF THE PHILIPPINES
NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL

National Disaster Risk Reduction and Management Center, Camp Aguinaldo, Quezon City, Philippines

NDRRMC UPDATE

Final Report re Preparedness Measures and Effects of Trough of Low Pressure Area in Regions XI and CARAGA (11-15 January 2019)

Releasing Officer:

UNDERSECRETARY RICARDO B. JALAD
Executive Director, NDRRMC and
Administrator, OCD

Source: PAGASA, OCDRO XI and CARAGA, DSWD DROMIC

I. SITUATION OVERVIEW

A. Chronology and Tracking

11 January 2019

At 3:00 PM, the Low Pressure Area (LPA) outside the Philippine Area of Responsibility (PAR), was estimated based on all available data, at 1,400 km East Southeast of Mindanao (4.0°N, 138.0°E).

The Trough of this LPA brought moderate to heavy rains over the provinces of Agusan del Norte, Agusan del Sur, Surigao del Sur, Davao del Norte, Davao Oriental, Compostela Valley, and Northern Mindanao Region, while the rest of Mindanao experienced scattered light to moderate rains.

PAGASA Heavy Rainfall Warning No. 1 issued 11:10 AM, 11 January 2019 regarding the Weather System: Trough of a Low Pressure Area (LPA). Orange warning level were raised in Agusan del Sur, Davao Oriental, Compostela Valley and Davao del Norte. Yellow warning level were hoisted in Surigao del Sur, Bukidnon, Davao City, North Cotabato and South Cotabato. Meanwhile, light to moderate rains were experienced over Misamis Oriental, Camiguin, portions of Lanao del Norte, Surigao del Norte, Davao del Sur, Davao Occidental and South Cotabato.

12 January 2019

The Trough of the Low Pressure Area (LPA) outside the Philippine Area of Responsibility (PAR) brought moderate to heavy rains over the provinces of Agusan del Sur, Surigao del Sur, Davao del Norte, Compostella Valley, Davao Oriental, and Davao del Sur including Davao City.

II. EFFECTS

A. Incidents Monitored

1. On 11 January 2019, around 4:00 PM, a flooding incident occurred in Purok 1, 3, 4, and 5 of Brgy. Tamia, Compostela Valley (Region XI). The incident affected Tamia Elementary School, Diosdado Macapagal Elementary School, and some residential area. No casualties reported.
2. On 11 January 2019, at around 7:45 PM, a landslide incident occurred in Purok 2, Brgy. San Jose, Monkayo, Compostela Valley (Region XI). No casualties reported.
3. Another landslide incident occurred on 11 January 2019, at around 9:45 PM, in the vicinity of Brgy. Ngan, Compostela, Compostela Valley (Region XI). No casualties reported.
4. On 11 January 2019, at around 4:28 AM, a landslide incident transpired in Purok 1, Katipunan, Veruela, Agusan del Sur (CARAGA) which damaged two houses. No casualties reported.

B. Affected Population

A total of **24,207 families** or **120,380 persons** were affected in **57 barangays** and **18 municipalities** and **4 provinces** in Region XI and CARAGA.

Region/Province/ Mun/City	AFFECTED			No. of Evac Centers	Inside Evacuation Centers		Outside Evacuation Centers		TOTAL SERVED (Inside + Outside)	
	Brgys	Families	Persons		Families	Persons	Families	Persons	Families	Persons
GRAND TOTAL	57	24,207	120,380	31	9,134	45,004	10,935	75,443	20,069	120,447
REGION XI	42	23,831	118,999	16	8,760	43,633	10,933	75,433	19,693	119,066
CAMPOSTELLA VALLEY	5	145	671	3	126	570	31	168	157	738
CAMPOSTELA	2	24	90	1	19	65	5	25	24	90
LAAK (SAN VICENTE)	1	67	335	1	67	335	0	0	67	335
MONKAYO	1	26	143	-	12	67	26	143	38	210
NABUNTURAN (CAPITAL)	1	28	103	1	28	103	0	0	28	103
DAVAO DEL NORTE	25	19,030	95,080	11	8,596	42,905	6,284	52,175	14,880	95,080
ASUNCION (SAUG)	15	13,689	68,445	8	7,287	36,435	2,252	32,010	9,539	68,445
CARMEN	1	80	400	0	0	0	80	400	80	400
KAPALONG	4	1,239	6,120	2	1,239	6,120	0	0	1,239	6,120
NEW CORELLA	1	70	350	1	70	350	0	0	70	350
CITY OF TAGUM (CAPITAL)	4	3,952	19,765	0	0	0	3,952	19,765	3,952	19,765
DAVAO ORIENTAL	12	4,656	23,248	2	38	158	4,618	23,090	4,656	23,248
BOSTON	8	4,618	23,090	0	0	0	4,618	23,090	4,618	23,090
CATEEL	4	38	158	2	38	158	0	0	38	158
CARAGA	15	376	1,381	15	374	1,371	2	10	376	1,381
AGUSAN DEL SUR	15	376	1,381	15	374	1,371	2	10	376	1,381
BUNAWAN	1	18	70	1	18	70	0	0	18	70
LA PAZ	6	99	376	6	99	376	0	0	99	376
PROSPERIDAD	1	7	35	1	7	35	0	0	7	35
SAN FRANCISCO	1	34	135	1	34	135	0	0	34	135

Region/Province/ Mun/City	AFFECTED			No. of Evac Centers	Inside Evacuation Centers		Outside Evacuation Centers		TOTAL SERVED (Inside + Outside)	
	Brgys	Families	Persons		Families	Persons	Families	Persons	Families	Persons
SANTA JOSEFA	2	16	76	2	16	76	0	0	16	76
TRENTO	2	184	615	3	184	615	0	0	184	615
VERUELA	2	18	74	1	16	64	2	10	18	74

Source: DSWD Dromic Terminal Report as of 09 May 2019

C. Suspension of Classes

The following Local Government Units in CARAGA suspended classes on 11 January 2019 due to heavy rains brought by the Trough of LPA.

PROVINCE	CITY/ MUNICIPALITY	LEVEL	DATE SUSPENDED	REMARKS
Surigao del Sur	Bislig City	Pre – School to Elementary	11 January 2019	Memo No. 016, s. 2019. Class resumed on 14 January 2019
Agusan del Sur	Trento	All Levels	11 January 2019	EO No. 002. Class resumed on 14 January 2019
	Sta. Josefa	All levels	11 January 2019	EO No. 01, s. 2019. Class resumed on 14 January 2019

Sources: OCD CARAGA

D. Status of Lifelines

1. Rivers and Dams

A total of **2 rivers and 2 dams** were affected in Region XI and reported normal as of 11 February 2019.

PROVINCE	MUNICIPALITY	RIVER/DAM	WATER LEVEL
Davao Oriental	Boston	Dacungbanua River	Normal Level as of 11 February 2019
	Cateel	Aragon Dam	
Davao del Norte	Asuncion	Saug Dam	
Compostela Valley	Compostela	Ngan River	

Source: OCDROs XI

2. Roads and Bridges

A total of **11 road sections and 1 bridge** were affected in Regions XI and CARAGA.

REGION / PROVINCE	MUNICIPALITY	ROADS	STATUS
REGION XI			
Davao Oriental	Cateel	Cateel - Compostela Road	Passable since 12 January 2019, 9:00AM
		Surigao - Davao Oriental Road	Passable since 12 January 2019, 9:00AM
CARAGA			
Agusan del Sur	Veruela	Sitio Hinagtungan, Sisimon, Veruela	Passable as of 15 January 2019
		Poblacion Road going to Bunawan	Passable as of 15 January 2019
		Road going to Sitio Candavao from Sitio Maasin	Passable as of 15 January 2019
		Junction Road going to Binongan proper	Passable as of 15 January 2019

REGION / PROVINCE	MUNICIPALITY	ROADS	STATUS
	Prosperidad	Brgy. Lucena NRJ Bahbah-Talacogan Road Lucena Junction	Passable as of 15 January 2019
	Bayugan City	P4, Sta. Irene National Highway	Passable as of 15 January 2019
	Sta. Josefa	Sitio Kaangayan 2 going to Sitio Malipayan	Passable as of 15 January 2019
		P8 and P9 Roads going to Brgy. Tupaz	Passable as of 15 January 2019
	Purok 6, Brgy. Sayon Sta. Josefa	Bailey Bridge	washed out, temporary rerouting
Surigao Del Sur	Bislig City	Access road going to Tin-uy Falls	Passable as of 15 January 2019

Sources: OCDROs XI and CARAGA

3. Power Lines

- A total of three (3) municipalities in Region XI had experienced power interruption since 11 January 2019, 12:00 PM.
- Power in two (2) municipalities were restored on 12 January 2019, 12:56 AM, and one municipality was restored on 13 January 2019, at around 3:00 PM.

E. Damaged Houses

Two (2) houses were totally damaged due to a landslide incident which transpired at Purok 1, Katipunan, Veruela, Agusan del Sur on 11 January 2019, at around 4:28 AM.

REGION / PROVINCE / MUNICIPALITY	NO. OF DAMAGED HOUSES		
	TOTALLY	PARTIALLY	GRAND TOTAL
GRAND TOTAL	2	0	2
CARAGA	2	0	2
Agusan del Sur	2	0	2
Veruela	2	0	2

Source: DSWD Dromic Terminal Report as of 09 May 2019

III. DISASTER PREPAREDNESS

A. PRE-EMPTIVE EVACUATION

A total of **8,800 families or 43,855 persons** were pre-emptively evacuated in **24 barangays** in the Provinces of Davao Oriental, Compostela Valley, and Davao del Norte (Region XI).

PROVINCE	CITY / MUNICIPALITY	BARANGAY	NO. OF DISPLACED		NO. OF DISPLACED PER
			FAM	FAM	
GRAND TOTAL	9 Municipalities	24 Barangays	8,800	43,855	
Davao Oriental	Cateel	Abejod	9	37	Returned to respective houses on 15 January 2019
		Mainit	1	3	Returned to respective houses
		Alegria	20	79	Returned to their respective houses on 15 January 2019
		San Miguel	8	39	Returned to respective houses on 15 January 2019
	Baganga	Sentro Campawan	3	15	Returned to respective houses on 15 January 2019

Compostela Valley	Nabunturan	Purok 8, Brgy. Magsaysay	28	103	Magsaysay ES
	Laak	Aguinaldo	67	335	Brgy. Gym
	Compostela	San Miguel	19	65	San Miguel ES
		Tamia	5	25	Evacuated to relatives' houses
	Monkayo	Mt. Diwata (Purok 16, 1-A and 22)	42	239	Evacuated to neighbors' houses at Purok 18
Davao del Norte	Asuncion	Sagayen	1,300	6,500	Evacuated to higher ground
		Doña Andrea	950	4,750	Evacuated to higher ground
		Canatan	750	3,750	Evacuated to higher ground
		Cabaywa	950	4,750	Evacuated to higher ground
		Sto Felomina	600	3,000	Evacuated to higher ground
		San Vicente	3	15	Evacuated to higher ground
		Cambanugoy	2,000	10,000	Evacuated to higher ground
		Buclad	734	3,670	Evacuated to higher ground
	Poblacion	2	10	Evacuated to higher ground	
	Kapalong	Maniki	761	3,805	KCSAT Evacuation Center and Sanchez Packing Plant
		Pag-asa	301	1,430	KCSAT Evacuation Center
		Katipunan	99	495	
		Mabantao	78	390	
	New Corella	Mesaoy	70	350	Mesaoy Elementary School

Source: OCDRO XI

B. National Disaster Risk Reduction and Management Council

1. NDRRM Operations Center (NDRRMOC)

- Disseminated Weather Advisories, 24-hour Public Weather Forecasts, General Flood Advisories to all concerned RDRRMCs/OCDROs through SMS, facsimile, and official social media websites for further dissemination to its respective Local Disaster Risk Reduction and Management Councils (LDRRMCs).
- Sent two (2) Emergency Alert and Warning Messages (EAWM):

DATE	DESCRIPTION	AREAS
11 January 2019, 7:00 PM	Orange Rainfall Alert	Davao Oriental (Baganga, Caraga, Manay, Tarragona), Compostela Valley, Davao del Norte (Kapalong, San Isidro, Asuncion, New Corella)
11 January 2019, 10:00 PM	Orange Rainfall Alert	Davao Oriental (Boston, Cateel, Baganga, Caraga)

2. Philippine Atmospheric, Geophysical and Astronomical Service Administration (DOST-PAGASA)

Provided and updated weather situation, and disseminated weather situation and updates.

A. Regional / Local Disaster Risk Reduction and Management Councils (R/LDRRMCs)

RDRRMC/OCDRs XI and CARAGA disseminated weather advisories/ bulletins to RDRRMC member-agencies, P/C/MDRRMCs, and local media (radio stations) through OCD Short Messaging System, and uploaded the same to social media accounts to effectively ensure public safety and achieve zero-casualty.

1. RDRRMC XI

Office of Civil Defense (OCD) XI

- a. Monitored AOR for any incident caused by the Trough of LPA.
- b. Disseminated weather updates and advisories to all LDRRMCs through email, facsimile, SMS, and social media.
- c. Issued RDRRMC XI Advisory to all Local DRRMCs through SMS re close monitoring and implementation of precautionary measures in its respective AOR in connection with the current weather system.

DSWD XI

- a. Ensured the availability of 15,208 Family Food Packs were available.
- b. Ensured the availability of Php 3,000,000.00 Disaster Standby Fund.
- c. Activated Field Office's Quick Response Team as "On- Call Duty" status in the event of disaster occurrence.
- d. Coordinated with all the SWADOs and P/C/MWDOs for monitoring of its respective AOR.
- e. Ensured the availability of disaster wing vehicles/van and drivers in the event of Relief Operations.
- f. Deployed personnel to man the DSWD XI Regional Warehouse and ensure readiness of dispatching food and non-food items during disaster.
- g. Disaster Response and Management Division personnel in DSWD FO XI Operations Centre rendered skeletal duties on 11 - 13 January 2019.

PDRRMC Davao Oriental

- a. Conducted clearing operations at Brgy. Sibahay and Poblacion Boston with Boston MDRRMC, Municipal Engineering Office, and DPWH District Engineering Office.
- b. Conducted an inventory of resources (heavy equipment) as part of the preparedness measures

PDRRMC Compostela Valley Province

- a. MDRRM Laak conducted ocular inspection at Barangay Datu Ampunan, New Bethlehem, Aguinaldo, Amorcuza and Kilagding which were identified as Hazard Prone Areas and conducted pre-emptive evacuation at Brgy. Aguinaldo.
- b. MDRRMC Laak informed and advised barangays within its AOR to closely monitor and take precautionary actions of hazard prone areas, as well as declaring a suspension of classes in all levels within its respective Barangays.
- c. MDRRMC Monkayo responders together with Municipal Engineering Office conducted clearing operations at Purok 2 Barangay San Jose due to landslide incidents.
- d. Compostela MDRRMC conducted pre-emptive evacuation at Brgy. San Miguel and Tamia, continuous water level monitoring and updates of LGUs in low lying areas. Prepositioned Relief Goods, SAR personnel, and Heavy equipment and vehicles for transportation. Continuous coordination with PNP and BFP for possible rescue operation.

- e. Activated the Compostela Valley Emergency Response Team (COVERT) and placed on standby for possible deployment.
- f. Provincial Environment and Natural Resources Office (PENRO) issued a suspension on all mining operations on 11 January 2019, 2:00 PM.
- g. BDRRMC Monkayo, provided food packs to the affected families and individuals in 3 puroks of Mt. Diwata.
- h. MDRRMC Nabunturan provided hot meals/community kitchen to the evacuees at Magsaysay Elementary School.

PDRRMC Davao del Norte

- a. Local DRRM Offices performed pre-emptive evacuation within the area of 5km radius for both the Municipal and low-lying barangays of Asuncion located along the Saug River.
- b. New Corella MDRRMO and possible affected barangay conducted monitoring and pre-emptive evacuation.
- c. Davao del Norte PDRRMO triggered the alarm thrice for the Saug Dam Mass Siren, and monitored the installed flood monitoring cameras in Libuganon Dam (Kapalong), Saug Dam (Asuncion), Jumbo Bridge (Kapalong), and Pasabangan Bridge (Tagum City).

Local DRRMCs

- a. All concerned Local DRMMCs monitored respective AOR for any untoward incident due to LPA.
- b. Activated the Operations Centers for coordination, monitoring and situational updates within its AOR.
- c. Disseminated weather advisories to clients, municipalities, and barangays.
- d. Prepositioned all available resources for possible response operations.

2. RDRRMC CARAGA

OCD CARAGA

- a. Disseminated weather advisories, general flood advisories, and rainfall alerts to Regional and Local DRRMCs and to the general public.
- b. Raised the RDRRMC Emergency Operations Center to Blue Alert Status for coordination, monitoring and evaluation updates within the region.
- c. Monitored AOR and coordinated with the regional line agencies and the LGUs for situational updates.

DSWD Field Office (FO) CARAGA;

- a. Prepositioned a total of 16,719 Family Food Packs (FFPs) amounting to ₱ 6,104,106.90 at DSWD Field Office (FO).
- b. Prepositioned a total of 8,094 FFPs amounting to ₱ 2,955,119.40 in FO's rented warehouse in geographically hard to reach areas.
- c. Ensured the availability of non-food items amounting to ₱ 7,833,841.00.
- d. Placed personnel on standby in Agusan del Sur and Surigao del Sur.

PDRRMC Agusan del Sur

- a. Activated the Operations Center on BLUE Alert.
- b. Activated the Barangay Disaster Risk Reduction and Management Committees (BDRRMCs) and Barangay Emergency Responders.
- c. Prepared Memorandum for the activation of RDANA, suspension of classes, and suspension of small-scale mining activities.

d. Conducted ocular assessment in Brgy. Sta. Josefa.

CDRRMC Bislig City, Surigao del Sur

- a. Issued Memorandum Order No. 19-A s.2019 on the Existing and Potential Landslides and Erosions along the Tinuy-an Falls.
- b. Conducted Rapid Damage Assessment and Needs Analysis (RDANA) to the Tinuy-an Falls and addressing the various landslides along the Tinuy-an Falls.

LDRRMOs

- a. Activated the Operations Center 24/7.
- b. Disseminated weather advisories to cities, municipalities, and barangays.
- c. Prepositioned all available resources for possible response operations.

IV. DISASTER RESPONSE

A. Cost of Assistance

A total of **₱4,160,750.00** worth of assistance from LGU and DSWD were provided for Region XI and CARAGA.

REGION / PROVINCE / MUNICIPALITY	TOTAL COST OF ASSISTANCE				
	DSWD	LGU	NGOs	OTHERS	GRAND TOTAL
GRAND TOTAL	3,193,020.00	967,730.00	-	-	4,160,750.00
REGION XI	3,193,020.00	866,530.00	-	-	4,059,550.00
Davao del Norte	3,193,020.00	866,530.00	-	-	4,059,550.00
<i>Asuncion (Saug)</i>	3,193,020.00	866,530.00	-	-	4,059,550.00
CARAGA	-	101,200.00	-	-	101,200.00
Agusan del Sur	-	101,200.00	-	-	101,200.00
<i>Santa Josefa</i>	-	2,990.00	-	-	2,990.00
<i>Trento</i>	-	98,210.00	-	-	98,210.00

Source: DSWD Dromic Terminal Report as of 09 May 2019