



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 Southwest Monsoon Enhanced by Tropical Depression (TD) “LUIS” (23 – 24 August, 2018)

Releasing Officer:

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Sources: DOST-PAGASA, DOH, DILG, DepEd, DSWD, OCD/RDRRMCs I and CAR

I. SITUATION OVERVIEW

A. Chronology and Tracking

23 August 2018

The Low Pressure Area northwest of Extreme Northern Luzon has entered the Philippine Area of Responsibility (PAR), developed into a Tropical Depression (TD) and was named “LUIS”.

TD “LUIS” made landfall in the vicinity of Kaoshuing, Taiwan. There was no direct affect to any part of the country. It enhanced the Southwest Monsoon (Habagat) which brought scattered moderate to heavy rains in La Union, Ilocos Norte, Ilocos Sur, Batanes, Babuyan Islands, and the Cordillera Administrative Region (CAR) on 24 August 2018.

24 August 2018

TD “LUIS” has weakened slightly as it moves slowly towards the west coast of Taiwan.

TD “LUIS” continued to enhanced the Southwest Monsoon and brought scattered moderate to heavy rains in Ilocos Region, CAR, Batanes, and the Babuyan Islands.

At 8:00 PM, LUIS weakened into a Low Pressure Area as it moved off the coast of Taiwan and crossed the PAR boundary.

B. Tropical Cyclone Analysis

Tropical Depression (TD) “LUIS” is the 12th tropical cyclone (TC) to enter or develop within the Philippine Area of Responsibility (PAR) in 2018 and the 2nd TC in August.

On 23 August 2018 at around 5:00 AM, the tropical depression (TD) entered the PAR and made landfall in the vicinity of Kaohsiung City in southern Taiwan at 8:00 AM later that morning. Originating from an area of lower pressure within the monsoon trough axis situated across Taiwan and southern China, LUIS was first noted as a tropical depression (TD). The TD remained over land for almost the entire warning period. As a result of the rugged terrain of Taiwan, the nature of its track was slow and slightly erratic. Overall, the TD maintained a north-northwestward trajectory during this period.

On 24 August 2018, at around 8:00 PM, LUIS weakened as it moved off the coast of Taiwan just near Taichung City and crossed the PAR boundary. LUIS weakened further as

it approached the coast of China before becoming fully embedded in the monsoon trough circulation on 26 August 2018. TD LUIS reached a peak intensity of 55 km/h during the warning period.

LUIS brought widespread rains in southern Taiwan and instigated the enhancement of the southwest monsoon “habagat”, which produced persistent moderate to heavy rains across the western section of Northern Luzon, particularly the Ilocos (Region 1) and Cordillera Administrative Regions (CAR).

II. EFFECTS

A. Incidents Monitored (TAB A)

A total of **38 incidents** were monitored in Regions I and CAR.

B. Affected Population (TAB B)

A total of **73,898 families / 304,900 persons** were affected in **709 barangays** in Regions I and CAR.

Source: DSWD DROMIC Terminal Report on the Effects of Southwest Monsoon Enhanced by TD Luis, 08 January 2019, 6PM

C. Damaged Houses (TAB C)

A total of **488 houses** were damaged in **Regions I and CAR** (58 totally / 430 partially).

Source: DSWD DROMIC Terminal Report on the Effects of Southwest Monsoon Enhanced by TD Luis, 08 January 2019, 6PM

D. Suspension of Classes and Work (TAB D)

1. A total of **104 cities / municipalities** has **suspended classes** in Regions I, III, and CAR.
2. On **24 August 2018**, **work in government offices** in the following areas were suspended:
 - Ilocos Norte (Province-wide)
 - Ilocos Sur (Candon City, San Emilio, Salcedo, and Gregorio del Pilar)

E. Flooded Areas (TAB E)

A total of **211 areas** were reported flooded in **Regions I and III**. Of which, 138 were already subsided.

Note: The decrease in number of flooded areas is due to the validated report.

F. Status of Lifelines

1. Roads and Bridges (TAB G)

A total of **95 road sections** and **1 bridge** were affected in **Regions I and CAR**. As of 04 September 2018, 80 road sections were reported passable.

2. Power Supply (TAB H)

A total of **23 areas** in Regions I and CAR had experienced power interruption. On 29 August 2018, power was restored in all areas.

G. Declaration of State of Calamity

The following municipality and province were declared under state of calamity:

San Gabriel, La Union	Resolution No. 47-2018	23 August 2018
Ilocos Norte	Resolution No. 240-2018	25 August 2018
Abra	Resolution No. 103-2018	28 August 2018

III. DISASTER PREPAREDNESS AND RESPONSE (TAB I)

Cost of Assistance (TAB F)

A total of **₱12,829,264.37 worth of assistance** from DSWD, LGUs, NGOs, and others was provided to Regions I and CAR.

Source: DSWD DROMIC Terminal Report on the Effects of Southwest Monsoon Enhanced by TD Luis, 08 January 2019, 6PM

**PREPAREDNESS MEASURES AND EFFECTS OF SOUTHWEST MONSOON
ENHANCED BY TD "LUIS"
INCIDENTS MONITORED
23 – 24 August, 2018**

INCIDENT	REGION/AREA	TIME/DATE OF OCCURRENCE	DESCRIPTION	ACTIONS TAKEN	REMARKS
TOTAL INCIDENTS MONITORED		38			
LANDSLIDE/ROCK SLIDE		28			
REGION I		7			
Ilocos Sur		6			
	Brgy. Lapping, Nagbukel	24 August 2018	Landslide incident was reported in Brgy. Lapping, Nagbukel, Ilocos Sur	Barangay Officials and residents conducted clearing operation	Cleared on 24 August 2018, 10:17 AM,
	Ban-al – Butol, Santiago	24 August 2018	Landslide incident was reported in Ban-al – Butol, Santiago, Ilocos Sur	Conducted clearing operation on 24 August 2018, 11:00 PM	
	Along Calipayan-Diclap (farm to market road), Sugpon	24 August 2018	Landslide incident was reported along Calipayan-Diclap (farm to market road), Sugpon, Ilocos Sur	Clearing operation was scheduled on 25 August 2018 due to continuous heavy rains.	
	Lidlidda-Banayoyo Road at Poblacion Sur, Lidlidda	24 August 2018	Landslide incident was reported in Lidlidda-Banayoyo road at Poblacion Sur, Lidlidda, Ilocos Sur		Blocked road canal due to soil erosion but did not cause road blockage. Cleared on the same day, 24 August 2018
	Lidlidda-Burgos Road at Sitio Patpat, Poblacion Norte, Lidlidda	24 August 2018	Landslide incident was reported in Lidlidda-Burgos road at Sitio Patpat, Poblacion Norte, Lidlidda, Ilocos Sur		Passable at about 12:30 PM, 24 August 2018
	Brgy. Baracbac, Galimuyod	24 August 2018	Landslide incident was reported in Brgy. Baracbac, Galimuyod, Ilocos Sur		Ongoing clearing operations as of 11:00 PM, 24 August 2018
Ilocos Norte		1			
	Brgy. 10 Parparoroc (Pallas Valley Road)	24 August 2018	Landslide incidents was reported in Brgy. 10 Parparoroc (Pallas Valley Road)	Landslide along Pallas Valley National road	Passable on 24 August 2018, 11:00 PM
CAR		21			
Abra		9			
	Sitio Kayang, Brgy Immuli Pidigan, Abra	25 August 2018	A landslide incident was reported in Brgy, Immuli		A total of 45 families were evacuated from the said area
	Naguillan, Sallapadan, Abra	25 August 2018, 8:35 AM	A landslide incident was reported in Brgy. Naguillan	DPWH maintenance crew conducted clearing operations by using privately owned equipment	Abra-Cervantes Road K0448+340-K048+380 was closed to traffic due to the said incident
	Brgy. Malamsit, Peñarrubia, Abra	24 August 2018	A landslide incident occurred along the provincial road in front of Garcia's Tilapia Farm in Brgy. Malamsit, Peñarrubia, Abra		
	Sitio Madago, San Ramon East, Manabo, Abra	25 August 2018, 8:15 AM	A landslide incident was reported in Brgy. San Ramon East.		A portion of Abra-Cervantes Road was not passable due to landslide
	Nagaparan, Danglas, Abra	25 August 2018, 2:22 PM	A landslide incident was reported in Brgy, Nagaparan		Part of Abra-Ilocos Norte Road, particularly KM450 was closed due to landslide
	Brgy. Cardona, Malibcong, Abra	26 August 2018	A landslide incident was reported in Brgy. Cardona		Road in Brgy. Cardona, connecting to Dolores Malanas-Poblacion road was not passable due to landslide
	Brgy. Namarabar and Brgy. Calot, Peñarubia, Abra	26 August 2018	A landslide incident was reported in Brgy. Namarabar and Brgy. Calot		

INCIDENT	REGION/AREA	TIME/DATE OF OCCURENCE	DESCRIPTION	ACTIONS TAKEN	REMARKS
	Villaviciosa, Abra	26 August 2018	A landslide incident was reported in Brgy. Tuguib, Brgy. Cal-lao and Brgy. Tamac		Brgy. Roads in Brgy. Tuguib, Brgy. Cal-lao and Brgy. Tamac were reported not passable due to landslide
	Balais, Lagangilang, Abra	26 August 2018, 5:00 AM	A landslide incident was reported in Brgy. Balais	Conducted coordination for clearing operations	Part of Abra-Kalinga Road, particularly K0425=270 was closed due to landslide
Benguet		9			
	Alapang, Sebang, Buguias, Benguet	26 August 2018, 2:00 AM	A landslide incident occurred in Brgy. Sebang		A total of six (6) individuals were injured due to the said incident
	Sitio Ullman, Coros, Ambassador, Tublay, Benguet	26 August 2018, 3:00 PM	A landslide incident occurred in Brgy. Ambassador which totally damaged one (1) house		One (1) house was totally damaged by the said incident. No casualties reported.
	Sitio Akbot, Brgy. Pito, Bokod, Benguet	26 August 2018	A landslide incident occurred in Brgy. Pito	DPWH Maintenance crew conducted clearing operations	Affected section K0311+700-K0311+715.
	Tinmang, Poblacion, Kibungan, Benguet	26 August 2018, 1:00 AM	A rock slide incident and soil collapse incident were reported in Brgy. Poblacion	LGU Bakun conducted clearing operations but due to continuous debris flow, equipment and maintenance crew was on-hold.	K0318+720-K0318+735 section was closed to traffic due to the said incident
	Sagpat, Kibungan, Benguet	26 August 2018	A landslide incident was reported in Brgy. Sagpat	LGU Bakun conducted clearing operations but due to continuous debris flow, equipment and maintenance crew was on-hold.	K0307+700 Section was closed to traffic due to the said incident
	Brgy. Keystone, Ucab, Itogon, Benguet	24 August 2018, 9:12 AM	A landslide incident transpired at Brgy. Keystone, Ucab, Itogon, Benguet which blocked a road section.		On 24 August 2018, at 10:25 AM, the said road section was partially cleared and opened to motorcycles only.
	Brgy, Eddet, Kabayan, Benguet	25 August 2018	A house located in Brgy, Eddet, Kabayan, Benguet is partially damaged due to landslide		The affected family was evacuated in Ahucot Elementary School
	Brgy. Bashoy, Kabayan, Benguet	25 August 2018	A landslide incident occurred in Brgy. Bashoy, Kabayan, Benguet resulting to partially damaged houses		A total of four (4) families were evacuated due to the said incident
	Brgy. Pikaw, Buguias, Benguet	25 August 2018	A landslide incident occurred in Brgy. Pikaw		A total of eight (8) families were affected due to the said incident
Mt. Province		1			

INCIDENT	REGION/AREA	TIME/DATE OF OCCURENCE	DESCRIPTION	ACTIONS TAKEN	REMARKS
	Bontoc, Mt. Province	26 August 2018, 9:15 AM	A landslide incident was reported in Tabulin Section, Bontoc, Mt. Province along Junction Talubin-Barlig-Natonin-Paracelis-Calaccad Road	Conducted clearing operations	Tabulin Section along Junction Talubin-Barlig-Natonin-Paracelis-Calaccad Road was closed to traffic due to the said incident
Baguio City		2			
	Atok Trail (Near Barangay Hall)	24 August 2018, 4:51 PM	A landslide incident transpired at Atok Trail which resulted to one (1) partially damaged house.		
	Kadaklan Springhills, Loakan-Apugan	26 August 2018, 7:19 PM	A landslide occurred at Kadaklan Springhills, Loakan-Apugan affecting one (1) house.		A family residing along the landslide area was evacuated and stayed with their relatives.
SOIL EROSION		6			
Region I		1			
Ilocos Sur		1			
	Brgy. Alincaog, Sta. Lucia	24 August 2018	A soil erosion took place in Brgy. Alincaog, Sta. Lucia, Ilocos Sur affecting a 350-meter rice field		
CAR		5			
Baguio City		5			
	Springhills Loakan-Apugan, Baguio City	25 August 2018, 5:45 PM	A soil erosion occurred in Springhills Loakan-Apugan, Baguio City which resulted to damaged ripraps.		A family residing along the landslide area was evacuated and stayed with their relatives.
	Purok 12, Irisan, Baguio City	25 August 2018, 3:15 PM	The upper portion of BAWADI Pumping Station 3 eroded, partially covering the cemented roofing		No reported casualty
	East Quirino Hill	25 August 2018, 9:55 AM	A soil erosion occurred in east Quirino Hill which destroyed a pathway.		
	San Carlos Heights	25 August 2018, 4:55 PM	A soil erosion transpired at San Carlos Heights, Baguio City which affected one (1) house and a water pump.		
	Victoria Village (in front of Baguio Cemetary)	26 August 2018, 12:00 PM	A soil erosion transpired at Victoria Village which affected one (1) house.		
MUDSLIDE		1			
CAR		1			
Benguet		1			
	Km 73 Halsema Highway, Amgaleguy, Buguias, Benguet	25 August 2018, 5:30 PM	A mudslide occurred in Km 73 Halsema Highway, Amgaleguy, Buguias, Benguet affecting a total of four (4) individuals inside a house and one (1) motorcycle rider.		Victims were brought to the hospital for medical treatment
FLOODING		2			
CAR		2			

INCIDENT	REGION/AREA	TIME/DATE OF OCCURENCE	DESCRIPTION	ACTIONS TAKEN	REMARKS
Abra		2			
	Brgy. Pang-ot, Lagayan, Abra	25 August 2018, 10:28 AM	A flooding incident occurred in Brgy. Pang-ot, Lagayan, Abra due to river swelling		A total of 10 families were evacuated due to the said incident
	San Juan, Abra	26 August 2018, 12:00 AM	A flooding incident in four (4) Brgys in San Juan Abra took placed.		A total of four (4) Brgys. were affected by the said incident
ERODED RIPRAP		1			
CAR		1			
Baguio City		1			
	Purok 4, Brgy. Lower Fairview	24 August 2018, 5:44 PM	An eroded riprap was reported in Purok 4, Brgy. Lower Fairview.		Affected family evacuated to their neighbors.

Sources: OCDROs I and CAR

**PREPAREDNESS MEASURES AND EFFECTS OF SOUTHWEST MONSOON
ENHANCED BY TD "LUIS"
AFFECTED POPULATION
23 – 24 August, 2018**

Region/Province/ Mun/City	AFFECTED			No. of Evac Centers	Inside Evacuation Centers		Outside Evacuation Centers		TOTAL SERVED - CURRENT (Inside + Outside)	
	Brgys	Families	Persons		Families	Persons	Families	Persons	Families	Persons
GRAND TOTAL	709	73,898	304,900	4	105	415	966	4,132	1,071	4,547
REGION I (ILOCOS REGION)	549	57,853	232,997	3	104	413	958	4,094	1,062	4,507
ILOCOS NORTE	253	14,897	65,648	0	0	0	1	4	1	4
LAOAG CITY	49	1,258	6,713	0	0	0			0	0
ADAMS	1	114	491							
BACARRA	4	111	447							
BADOC	2	3	9	-	-	-	-	-	0	0
BANGUI	12	1,091	4,280	-	-	-	-	-	0	0
BATAC	29	1,619	6,337	0	0	0	-	-	0	0
BURGOS	10	423	1,819	-	-	-	-	-	0	0
CARASI	3	218	649	-	-	-	-	-	0	0
CURRIMAO	15	366	1,303	0	0	0	-	-	0	0
DINGRAS	18	1,348	6,740	-	-	-	-	-	0	0
NUEVA ERA	11	518	2,125	-	-	-	-	-	0	0
PAGUDPUD	10	1,404	7,016	-	-	-	-	-	0	0
PAOAY	20	1,223	5,277	-	-	-	-	-	0	0
PASUQUIN	18	2,101	7,996	-	-	-	1	4	1	4
PIDDIG	20	2,372	11,850	-	-	-	-	-	0	0
PINILI	5	99	356	0	0	0			0	0
SAN NICOLAS	12	334	1,046						0	0
SARRAT	12	290	1,168						0	0
VINTAR	2	5	26						0	0
ILOCOS SUR	238	34,745	132,772	0	0	0	428	2,040	428	2,040
CANDON	7	286	1,136	0	0	0	0	0	0	0
VIGAN	2	31	155	0	0	0	-	-	0	0
BANAYOYO	1	34	170	-	-	-	-	-	0	0
BANTAY	10	1,333	6,665	-	-	-	-	-	0	0
BURGOS	3	7	28	-	-	-	-	-	0	0
CAOAYAN	3	178	890	-	-	-	-	-	0	0
GALIMUYOD	1	74	296	-	-	-	-	-	0	0
LIDLIDDA	10	997	4,905	-	-	-	0	0	0	0
MAGSINGAL	1	190	950	-	-	-	-	-	0	0

Region/Province/ Mun/City	AFFECTED			No. of Evac Centers	Inside Evacuation Centers		Outside Evacuation Centers		TOTAL SERVED - CURRENT (Inside + Outside)	
	Brgys	Families	Persons		Families	Persons	Families	Persons	Families	Persons
NARVACAN	34	12,800	43,206	-	-	-	-	-	0	0
SAN EMILIO	1	5	20	-	-	-	0	0	0	0
SAN ESTEBAN	10	1,360	6,800	-	-	-	-	-	0	0
SAN JUAN (LAPOG)	32	750	3,089	-	-	-	-	-	0	0
SAN VICENTE	7	560	2,183	0	0	0	-	-	0	0
SANTA	8	1,132	5,660	-	-	-	-	-	0	0
SANTA CATALINA	1	200	1,000	-	-	-	-	-	0	0
SANTA CRUZ	4	31	155	-	-	-	-	-	-	-
SANTA LUCIA	36	4,854	17,809	-	-	-	0	0	0	0
SANTA MARIA	29	6,660	23,080	-	-	-	-	-	0	0
SANTIAGO	13	700	2,738	-	-	-	-	-	0	0
SANTO DOMINGO	16	1,110	4,577	-	-	-	-	-	-	-
SINAIT	3	5	25	-	-	-	-	-	-	-
TAGUDIN	6	1,448	7,235	-	-	-	-	-	0	0
LA UNION	39	5,359	20,904	0	0	0	485	1,940	485	1,940
SAN FERNANDO	3	501	1,754	0	0	0	250	1,000	250	1,000
BAUANG	11	1,052	4,097	0	0	0	-	-	0	0
NAGUILIAN	3	377	1,508	-	-	-	235	940	235	940
SAN JUAN	11	1,682	6,737	-	-	-	-	-	0	0
SANTOL	11	1,747	6,808	-	-	-	-	-	0	0
PANGASINAN	19	2,852	13,673	3	104	413	44	110	148	523
ALAMINOS	2	14	50	-	-	-	-	-	0	0
DAGUPAN CITY	3	44	201	2	0	0	-	-	0	0
AGNO	1	44	110	-	-	-	44	110	44	110
AGUILAR	7	2,598	12,627	1	0	0	-	-	0	0
LINGAYEN	3	49	238	0	0	0	-	-	0	0
MANGATAREM	2	47	167	0	0	0	-	-	0	0
URBIZTONDO	1	56	280	0	0	0	-	-	0	0
CAR	160	16,045	71,903	1	1	2	8	38	9	40
ABRA	133	15,839	70,916	0	0	0	0	16	0	16
BANGUED	31	5,017	22,163	-	-	-	-	-	-	-
BUCAY	11	1,479	7,076	-	-	-	-	-	0	0
BUCLOC	1	127	721	-	-	-	-	-	0	0
DANGLAS	6	172	738	-	-	-	-	-	0	0
DOLORES	4	505	1,458	-	-	-	-	-	0	0
LAGANGILANG	10	644	2,824	-	-	-	-	-	0	0
LAGAYAN	5	1,101	5,505	-	-	-	-	-	0	0
LANGIDEN	2	409	1,104	-	-	-	-	-	0	0
LICUAN-BAAY (LICUAN)	10	402	1,790	-	-	-	-	-	0	0
LUBA	8	1,426	6,880	-	-	-	-	-	0	0

Region/Province/ Mun/City	AFFECTED			No. of Evac Centers	Inside Evacuation Centers		Outside Evacuation Centers		TOTAL SERVED - CURRENT (Inside + Outside)	
	Brgys	Families	Persons		Families	Persons	Families	Persons	Families	Persons
PIDIGAN	8	65	190	-	-	-	-	16	0	16
TAYUM	9	616	2,769	-	-	-	-	-	0	0
TINEG	10	1,125	5,654	-	-	-	-	-	0	0
TUBO	10	1,358	5,878	-	-	-	-	-	0	0
VILLAVICIOSA	8	1,393	6,166	-	-	-	-	-	0	0
BENGUET	27	206	987	1	1	2	8	22	9	24
BAGUIO CITY	7	11	56	-	-	-	0	0	0	0
BAKUN	2	8	32				3	13		
BUGUIAS	4	144	720	1	1	2	4	7	5	9
ITOGON	3	4	22	-	-	-	1	2		
KABAYAN	2	5	20	0	0	0	0	0	0	0
KIBUNGAN	5	26	103							
MANKAYAN	1	1	3							
TUBLAY	3	7	31					-	0	0

Source: DROMIC Terminal Report on the Effects of Southwest Monsoon Enhanced by TD Luis, 08 January 2019, 6PM

Note: On-going assessment and validation. Some municipalities reflected in the previous reports were removed as they were only affected by the SWM enhanced by TD KARDING.

AFFECTED AREAS	
REGIONS	2
PROVINCES	7
CITIES	7
MUNICIPALITIES	71

**PREPAREDNESS MEASURES AND EFFECTS OF SOUTHWEST MONSOON
ENHANCED BY TD "LUIS"
DAMAGED HOUSES
23 – 24 August 2018**

REGION / PROVINCE / MUNICIPALITY	NO. OF DAMAGED HOUSES		
	TOTALLY	PARTIALLY	TOTAL
<u>GRAND TOTAL</u>	58	430	488
REGION I	32	263	295
Ilocos Norte	2	12	14
<i>Adams</i>	1	1	2
<i>Bacarra</i>	-	2	2
<i>Badoc</i>	-	1	1
<i>Bangui</i>	-	1	1
<i>Batac</i>	-	3	3
<i>Pagudpud</i>	-	1	1
<i>Pasquin</i>	1	3	4
Ilocos Sur	30	230	260
<i>Lidlidda</i>	4	186	190
<i>Narvacan</i>	-	3	3
<i>San Emilio</i>	2	1	3
<i>San Esteban</i>		2	2
<i>Santa Lucia</i>	7	9	16
<i>Sta. Maria</i>	14	24	38
<i>Santiago</i>	3		3
<i>Sinait</i>	-	5	5
La Union	-	21	21
<i>Bauang</i>		20	20
<i>San Juan</i>	-	1	1
CAR	26	167	193
Abra	12	92	104
<i>Bangued</i>	2	21	23
<i>Bucay</i>	0	6	6
<i>Lagangilang</i>	0	1	1
<i>Lagayan</i>	0	4	4
<i>Licuan-Baay</i>	0	11	11
<i>Luba</i>	5	6	11
<i>Tineg</i>	0	9	9
<i>Pidigan</i>	5	34	39
Benguet	14	75	89
<i>Baguio City</i>	0	2	2
<i>Bakun</i>	4	1	5
<i>Buguias</i>	5	59	64
<i>Itogon</i>	0	2	2
<i>Kabayan</i>	1	4	5

REGION / PROVINCE / MUNICIPALITY	NO. OF DAMAGED HOUSES		
	TOTALLY	PARTIALLY	TOTAL
<i>Kibungan</i>	2	6	8
<i>Tublay</i>	2	1	3

Source: DROMIC Terminal Report on the Effects of Southwest Monsoon Enhanced by TD Luis, 08 January 2019, 6:00 PM

**PREPAREDNESS MEASURES AND EFFECTS OF SOUTHWEST MONSOON
ENHANCED BY TD "LUIS"
SUSPENSION OF CLASSES
23 – 24 August 2018**

AREA	LEVEL	DATE OF SUSPENSION
TOTAL	104	
Region I		
Ilocos Norte (Province-wide)	Pre-school to High school	24 August 2018
ILOCOS SUR		
Tagudin	All levels	24 August 2018
Cabugao	All levels	23 and 24 August 2018
San Esteban	All levels	23 and 24 August 2018
San Juan	All levels	23 and 24 August 2018
Santa	All levels	23 and 24 August 2018
Santiago	All levels	24 August 2018
Gregorio del Pilar	All levels	24 August 2018
San Emilio	All levels	24 August 2018
Salcedo	All levels	24 August 2018
Banayoyo	All levels	24 August 2018
Burgos	All levels	24 August 2018
Candon City	All levels	24 August 2018
Lidlidda	All levels	24 August 2018
Caoayan	All levels	24 August 2018
Galimuyod	All levels	24 August 2018
Sta. Lucia	All levels	24 August 2018
Sinait	All levels	24 August 2018
Nagbukel	All levels	24 August 2018
Sta. Maria	All levels	24 August 2018
Sigay	All levels	24 August 2018
Magsingal	All levels	24 August 2018
Alilem	All levels	24 August 2018
Sta. Catalina	All levels	24 August 2018
LA UNION		
San Gabriel	All levels	24 August 2018
Santol	All levels	24 August 2018
Sudipen	All levels	24 August 2018
Bagulin	Pre-school to High school	24 August 2018
Naguilian (Naguilian National High School, Southern Naguilian National High School, Naguilian Central Elementary School)	Pre-school to High school	24 August 2018
Balaoan	All levels	24 August 2018
PANGASINAN		
Dagupan City	All levels	28 August 2018
Lingayen	All levels	28 August 2018
Manaoag	All Levels	25 August 2018

Aguilar (Bocboc East National High School, Bocboc East Elementary School, Bocboc West Elementary School, Sipitan Elementary School, Panacol Elementary School, Anonang Elementary School, Mapita Integrated School, Tampac Integrated School)	Pre-school to High school	28 August 2018
Bugallon (Cabayaoasan Elementary School, Pangascasan Elementary School)	Pre-school to High school	28 August 2018
Calasiao (Bued National High School, Bued Elementary School, Nalsian Elementary School, San Vicente Elementary School, Banaoang Elementary School, Lasip Elementary School, Talibaew Elementary School)	Pre-school to High school	28 August 2018
Region III		
PAMPANGA		
Masantol	All levels	24 August 2018
Macabebe	All levels	24 August 2018
San Simon (San Agustin, San Isidro, Sta.Cruz, San Pablo)	All levels	24 August 2018
Sasmuan (Sto. Tomas Elem. School and High School, Central Elem School)	Pre-school to High school	24 August 2018
	All levels (the rest of Samuan)	24 August 2018
Apalit	Pre-school to High school (Sampaga Elementary School and High School)	24 August 2018
	Pre-school to Elementary (Paligui Elementary School, Fausto Gonzales Sioco Memorial Elementary School (Colgante))	24 August 2018
Sto. Tomas (Sto Tomas Elementary School and High School, San Matias National High School)	Pre-school to High school	24 August 2018
San Luis (San Luis Elementary School)	Pre-school to Elementary	24 August 2018
CAR		
Abra (Province-wide)	Pre-school to Elementary	24 August 2018
Baguio City (including UP Baguio)	All levels	24 August 2018
BENGUET		
Itogon	All levels	24 August 2018
Tublay	All levels	24 August 2018
Kibungan	Pre-school to High school	24 August 2018
Atok	Pre-school to High school	24 August 2018
La Trinidad	Pre-school to High school	24 August 2018
Bokod	Pre-school to Elementary	24 August 2018
Buguias	Pre-school to Elementary	24 August 2018
Tuba	Pre-school to Elementary	24 August 2018
Kapangan	Pre-school to Elementary	24 August 2018
MT. PROVINCE		
Besao	All levels	24 August 2018
Bauko (Mabaay, Sadsadan, Mt. Data, Monamon Sur, Monamon Norte, Sinto)	All levels	24 August 2018

Source: OCDROs I, III, and DepEd

**PREPAREDNESS MEASURES AND EFFECTS OF SOUTHWEST MONSOON
ENHANCED BY TD "LUIS"**

FLOODED AREAS

23 – 24 August 2018

Region / Province / City / Municipality	Area (Barangay / Street Name / Sitio)	Water Level (ft)	Remarks
GRAND TOTAL	211		
REGION I	78		
ILOCOS SUR	6		
Cabugao	Sitio Panay-ogan, Brgy. Daclapan	2 ft	
Sta. Lucia	Brgy. Angkileng	2 ft	
Sta. Catalina	Tamorong	Knee-level	Continuously monitored but no reported evacuees
Galimuyod	Brgy. San Vicente	Below knee-level	
	Brgy. Legaspi	Knee-level	
	Brgy. Calumbaya	Below knee-level	
LA UNION	7		
San Juan	Ili Sur	2 ft	
	Ili Norte	2 ft	
	Balaoac, Sto Tomas	1.5 ft	
San Fernando City	Sevilla	2 ft	Subsided on 26 August 2018
	Madayegdeg	2 ft	Subsided on 26 August 2018
	Parian	2 ft	Subsided on 26 August 2018
	San Agustin	1 ft	Subsided on 26 August 2018
PANGASINAN	65		
Mangatarem	Sitio Dor. Vergara, Brgy. Bogtong Silag	3 ft	Subsided on 30 August 2018
	Sitio Bunlalacao, Brgy. Bunlalacao	3 ft	
	Sitio Mamparan, Brgy. Pampan	5 ft	Subsided on 26 August 2018
	Sitio Caloocan, Brgy. Dorongan Punta	3 ft	
	Brgy. Dorongan Valerio	4 ft	
	Brgy. Dorongan Sawat	2 ft	
	Brgy. Dorongan Ketaket	2 ft	
	Nancasalan	3 ft	
	Pogon Aniat	2 ft	
	Bogtong Niog	3 ft	
	Talogtog	4 ft	
	Suaco	3 ft	
	Cabaruan	3 ft	
	Bogtong Centro	2 ft.	
Caoile Olegario	2 ft.	Subsided on 26 August 2018	
Torre 2nd	2 ft.		
Calasiao	Sitio Buca, Songkoy	2-3 ft	
	Sitio kasintak, Longos	2.5 ft	
	Sitio Habagat, Mancup	2 ft.	Subsided on 30 August 2018
	Sitio Tebron, Mancup	2.5 ft	
	Sitio Subdivision, Lumbang	2-3 ft	
	Lasip	1 ft	Subsided on 30 August 2018
	San Vicente	1 ft	
Talibaew	2 ft	Subsided on 30 August 2018	
San Carlos City	Aponit (along the road going to Tamayo around 5 meters)	1-2 ft.	Subsided on 30 August 2018
Alaminos City	Tangcarang (Dimmayat Bridge)	6.5-7 ft.	Subsided on 26 August 2018
	Pogo (Embarcadero Bridge)	3 ft	
	Palamis (New Bypass)	3 ft	Subsided
	Cabatuan (Cabatuan Bridge)	20 ft	
	Quibuar (Quibuar Bridge)	5 ft.	
	Tanaytay (LTO)	3 ft.	Subsided
	Amandiego (Amandiego Bridge)	3 ft.	
Agno	Paionapoy, Bangan-Oda	3-3.5 ft.	
	Cayungnan	3-3.5 ft.	
	Dangley-Road	2-3 ft.	
	San Juan	3-4 ft.	
	Purok Pag-Asa, Poblacion East	2-3 ft.	Subsided on 30 August 2018
	Moey & Tingga, Poblacion West	2-3 ft.	

Region / Province / City / Municipality	Area (Barangay / Street Name / Sitio)	Water Level (ft)	Remarks
Bautista	Cuarenta, Diaz	3 ft.	
	Namualan Sur, Diaz	1-2 ft.	
	Namualan Norte, Diaz	1-2 ft.	
	Vacante	1 ft.	
	Poponto	1 ft.	
	Primicias (except Zone 1 & Zone 3)	1 ft.	
Dagupan City	Bacayao Norte	1 ft.	Subsided on 27 August 2018
	Bacayao Sur	3 ft.	
	Caranglaan	6 inches	
	Herrero-Perez	1.5 ft.	
	Lasip Chico	3 ft.	
	Lasip Grande	3.5 ft.	
	Malued	5 ft.	
	Mayombo	1 ft.	
	Pantal	1 ft.	
	Pogo Chico	1.5 ft.	
	Barangay IV	6 inches	Subsided on 30 August 2018
	Barangay II	6 inches	
	Barangay III	6 inches	
	Barangay I	1 ft.	
	Lucao	1 ft.	
	Tapuac	1 ft.	
	Calmay	1 ft.	
Carael	1 ft.	Subsided	
	Poblacion Oeste	1 ft.	Subsided on 30 August 2018
Sta. Barbara	Sonquil	1.5 ft.	Subsided on 30 August 2018
	Alibago	1 ft.	
	Dalongue	2 ft.	
REGION III	133		
PAMPANGA	102		
Masantol	Alauli	1 ft.	Subsided
	Bagang	1 ft.	
	Balibago	1 ft.	
	Nigui	1 ft.	
	Sta Lucia Paguiba	1 ft.	
	Sagrada	1 ft.	
	San Agustin Caingin	1 ft.	
	San Nicolas	1 ft.	
	San Isidro Matua	1-1.5 ft.	
	Sta Lucia Wakas	1-1.5 ft.	
	Sta. Lucia Anac	1-1.5 ft.	
	Sta. Lucia Matua	1-1.5 ft.	
	Sapang Kawayan	1-1.5 ft.	
	Sto.Nino	1-1.5 ft.	
	San Isidro Anac	1-1.5 ft.	
	Bebe Anac	1-1.5 ft.	
	Sta.Monica	1-1.5 ft.	
	SUA	1 ft.	
	San Pedro	1 ft.	
Malauli	1 ft.		
Palimpe	1-1.5 ft.		
Bebe Matua	1 ft.		
Sta.Monica	0.5-1 ft.		
Minalin	Maniango	1 ft.	
	Dawe	1 ft.	
	Saplad	1 ft.	
Macabebe	Telacsan	2-2.5 ft.	
	San Francisco	2-2.5 ft.	
	Castuli	1.5-3.5 ft.	
	Caduang Tete	2-3 ft.	
	Consuelo (coastal)	1.5 ft.	
	Sta.Rita	1.5-2 ft.	
	San Rafael	1.5-3.5 ft.	
	Dalayap	1.5 ft.	
	Tacasan	2.5-5.5 ft.	
	Saplad David	2.5-3.5 ft.	
	Sto.Nino	1.5-3.5 ft.	
	Sta.Lutgarda	1.5-2 ft.	
	San Isidro	1.5-3.5 ft.	
	San Vicente	1.5-4.5 ft.	
	Candelaria	1.5-3.5 ft.	
	Mataquiti	2-3.5 ft.	
	San Jose	1-2 ft.	
	San Roque	1-4.5 ft.	
	Sto.Rosario	1.5-2.5 ft.	
	Sta.Maria	2-2.5 ft.	
San Esteban	2.5 ft.		
Batasan	1.5 ft.		

Region / Province / City / Municipality	Area (Barangay / Street Name / Sitio)	Water Level (ft)	Remarks
	Sta. Cruz	1.5 ft.	
	San Juan	2.5 ft.	
	San Gabriel	1.5 ft.	
CSFP	San Nicolas	1-2 ft.	Subsided
	Pandaras	1-2 ft.	
San Simon	Dela Paz	1-2 ft.	
	San Agustin	2-3 ft.	
	San Isidro	1-3 ft.	
	San Pablo Propio	1 ft.	
Apalit	Sta. Cruz	1 ft.	
	Colgante	2.5-3 ft.	
	Paligui	2.5-3 ft.	
Sasmuan	San Vicente	1-3 ft.	
	Sta. Monica	1.5 ft.	
	San Pedro I	1.5 ft.	
	San Nicolas II	1.5 ft.	
	Sto. Tomas	1.5 ft.	
	Mabuan Buan	1.5 ft.	
	Sebitanan	1.5 ft.	
	Malusac	1.5 ft.	
Candaba	Batang 1st	1.5 ft.	
	Batang 2nd	1.5 ft.	
	San Agustin	1-6 ft.	
San Luis	Pasig	2 ft.	Subsided
	Paralaya	1.3 ft.	
	Sto. Rosario	1-3 ft.	
	Sto. Tomas	1-2 ft.	
	Sta. Cruz Poblacion	1-2 ft.	
	San Juan	1 ft.	
Sto. Tomas	Sta. Cruz Pambilog	1 ft.	
	San Nicolas	1-2 ft.	
	Moras Dela Paz	1.5 ft.	
	Poblacion	1.5 ft.	
	San Bartolome	1.5 ft.	
	San Matias	1.5 ft.	
	San Vicente	1.5 ft.	
	Sto. Niño (Sapa)	1.5 ft.	
Florida Blanca	Sto. Rosario (Pau)	1.5 ft.	
	Solib	1.5 ft.	
	Maligaya	3 ft.	
	San Antonio	2 ft.	
Lubao	Poblacion	1 ft.	
	Prado SIONGCO	3 ft.	
	Balantacan	1 ft.	
	Arbol	2 ft.	
	Sta Monica	1-2 ft.	
	Sta Maria	1 ft.	
	Baruya	2 ft.	
	San Jose Gumi	2 ft.	
	Sta Lucia	1 ft.	
	San Pablo II	1 ft.	
	Bancal Pugad	1 ft.	
	Bancal Sinubli	1 ft.	
	Sta Teresa 2nd	1 ft.	
BATAAN	11		
Hermosa	Almacen	4 ft.	
	Daungan	1.5 ft.	
	Sitio Parayray	5 ft.	
	Saba	1-5 ft.	
	Mandama	2 ft.	
	Pulo	4 ft.	
Dinalupihan	A. Rivera	1 ft.	
	Mabini Extension	1-2 ft.	
	Daang Bago	1 ft.	
	San Ramon	2-3 ft.	
	Layac	1-2 ft.	
BULACAN	20		
Calumpit	Balungao	1 ft.	Subsided
	Bulusan	1-2 ft.	
	Calizon	1-2 ft.	
	Caniogan	1 ft.	
	Frances	1-3 ft.	
	Gatbuca	1-2 ft.	
	Gugo	1-3 ft.	
	Iba O Este	1-2 ft.	
	Meysulao	1-3 ft.	
	Meyto	1-2 ft.	
Piocruzcosa	1 ft.		

Region / Province / City / Municipality	Area (Barangay / Street Name / Sitio)	Water Level (ft)	Remarks
	Poblacion	1 ft.	
	San Jose	1-3 ft.	
	San Miguel	1-3 ft.	
	Sapang Bayan	1-3 ft.	
	Sta.Lucia	1-2 ft.	
Paombong	Sto. Rosario	1 ft.	Subsided
	San Isidro II	1 ft.	
	Pinalagdan	1 ft.	
	Kapitangan	1 ft.	

Sources: OCDROs I and III

Region	Flooded Areas	Subsided	TOTAL FLOODED AREAS
I	73	138	211
III	0	0	0

**PREPAREDNESS MEASURES AND EFFECTS OF SOUTHWEST MONSOON
ENHANCED BY TD "LUIS"
COST OF ASSISTANCE
23 - 24 August, 2018**

REGION / PROVINCE	DSWD (₱)	LGU (₱)	OTHERS (₱)	TOTAL (₱)
GRAND TOTAL	6,962,915.85	5,565,000.00	301,349.52	12,829,265.37
REGION I	6,042,170.00	4,896,073.00	298,770.00	10,517,013.00
Ilocos Norte	1,550,640.00	3,336,886.00		4,887,526.00
Adams	243,600.00	4,480.00		248,080.00
Bacarra		3,330.00		3,330.00
Bangui	-	344,459.00		344,459.00
City of Batac	-	390,610.00		390,610.00
Burgos	54,000.00	106,980.00		160,980.00
Carasi	250,080.00			250,080.00
Currimao	-	89,500.00		89,500.00
Dingras	485,280.00			485,280.00
Laoag City	240,480.00	520,303.00		760,783.00
Nueva Era		66,304.00		66,304.00
Pagudpud	156,240.00	561,600.00		717,840.00
Paoay	-	304,890.00		304,890.00
Pasauquin	-	250,380.00		250,380.00
Piddig	1,440.00	480,400.00		481,840.00
Pinili		39,600.00		39,600.00
San Nicolas	119,520.00	110,550.00		230,070.00
Sarrat	-	61,000.00		61,000.00
Vintar	-	2,500.00		2,500.00
Ilocos Sur	2,611,250.00	672,527.00	298,770.00	3,582,547.00
Banayoyo	12,240.00	-		12,240.00
Bantay	126,000.00	310,572.00		436,572.00
Burgos	-	2,475.00		2,475.00
CITY OF CANDON	54,000.00	66,630.00	43,300.00	163,930.00
Caoayan	36,000.00	-		36,000.00
Galimuyod	117,890.00	-		117,890.00
Lidlidda	126,000.00	-		126,000.00
Magsingal	126,000.00	-		126,000.00
Narvacan	919,080.00	-		919,080.00
San Esteban	36,000.00	-		36,000.00
San Juan (Lapog)	126,000.00	-		126,000.00
San Vicente	72,000.00	100,000.00	43,300.00	215,300.00
Santa	126,000.00	43,540.00	43,300.00	212,840.00
Santa Catalina	72,000.00	-	-	72,000.00
Santa Cruz	11,160.00	-	-	11,160.00
Santa Lucia	36,000.00	-	-	36,000.00
Santa Maria	424,440.00	-	68,847.00	493,287.00
Santiago	36,000.00	142,800.00	43,300.00	222,100.00
Santo Domingo	126,000.00	-	43,300.00	169,300.00
Tagudin	28,440.00	-	-	28,440.00
CITY OF VIGAN (Capital)	-	6,510.00	13,423.00	19,933.00
La Union	1,160,280.00	886,660.00	-	2,046,940.00
Bauang	80,280.00	358,620.00		438,900.00
Naguilian	-	162,110.00		162,110.00
San Fernando City	-	215,430.00		215,430.00
San Juan	451,080.00	107,500.00		558,580.00

REGION / PROVINCE	DSWD (₱)	LGU (₱)	OTHERS (₱)	TOTAL (₱)
<i>Santol</i>	628,920.00	43,000.00		671,920.00
Pangasinan	720,000.00	-	-	720,000.00
<i>Dagupan City</i>	720,000.00			720,000.00
CAR	920,745.85	668,927.00	2,579.52	1,592,252.37
Abra	850,904.25	608,433.00		1,459,337.25
<i>Banquet (capital)</i>	179,887.50	-		179,887.50
<i>Dolores</i>	23,760.00	219,000.00		242,760.00
<i>Lagangilang</i>	323,059.50	229,908.00		552,967.50
<i>Langiden</i>	39,975.00	107,100.00		147,075.00
<i>Licuan-Baay (Licuan)</i>	39,975.00	30,000.00		69,975.00
<i>Luba</i>	-	8,925.00		8,925.00
<i>Pidigan</i>	-	13,500.00		13,500.00
<i>Villaviciosa</i>	244,247.25	-		244,247.25
Benguet	69,841.60	60,494.00	2,579.52	132,915.12
<i>Baguio City</i>	1,879.50	1,794.00		3,673.50
<i>Buguias</i>	26,592.75	13,700.00	2,579.52	42,872.27
<i>Itogon</i>	2,959.50	14,000.00		16,959.50
<i>Kabayan</i>	11,339.35	17,000.00		28,339.35
<i>Kibungan</i>	20,113.50			20,113.50
<i>Mankayan</i>	3,997.50			3,997.50
<i>Tublay</i>	2,959.50	14,000.00		16,959.50

Source: DSWD DROMIC Terminal Report on the Effects of Southwest Monsoon Enhanced by TD Luis, 08 January 2019, 6PM

Note: On-going assessment and validation. Some municipalities reflected in the previous reports were removed as they were only affected by the SWM enhanced by TD KARDING

**PREPAREDNESS MEASURES AND EFFECTS OF SOUTHWEST MONSOON
ENHANCED BY TD "LUIS"
STATUS OF ROADS AND BRIDGES**

23 - 24 August 2018

ROADS / BRIDGE		STATUS	REMARKS
National	Local		
REGION I			
Ilocos Norte			
Pinii-Nueva Era Road	K0 462+800 - K0 462+822.5 Brgy. Liliputen, Pinili	Passable to all types of vehicles	Conducted clearing operations due to rockslides. Installed Warning Signs. Passable as of 26 August 2018, 5PM
Ilocos Norte Apayao Road	K0 528+400 - K0 528+418 Brgy Maan-Anteng, Solsona	One lane passable	Conducted clearing operations due to eroded road shoulder. Installed Warning Signs
Manila North Road	K0490+700 Barangay Barit, Laoag City	Passable to all types of vehicles	Due to landslide. Installed Road Signages/warning & informative Signs. On-going removal and clearing of operations. Completed clearing of Rockslides/Earth slides
	K0 514+573 Tulnagan Bridge 1 Brgy Tulnagan, Pasuquin	Passable to all types of vehicles	Installed road signage/informative signs. Conducted clearing operations by Maintenance Crew. Damaged/Scoured Bridge Approach
	K0548+000 - 549+000 Brgy Masikil, Bangui	Passable to all types of vehicles	Installed road signage/informative signs. Conducted clearing operations by Maintenance Crew. Damaged Canal Lining and Slope Protection
	K0571+500 - K0 571+575 Brgy Balaoi, Pagudpud	Passable to all types of vehicles	Installed road signage/informative signs. Conducted clearing operations by Maintenance Crew. Damaged Slope Protection
	K0533+000 - K0 533+500 Brgy Saoit, Burgos	Passable to all types of vehicles	Installed road signage/informative signs. Conducted clearing operations by Maintenance Crew. Scoured Shoulder
	K0510+200-K0512+600 Pasuquin Sapat Airstation Road (Intermittent Section) Brgy Sapat, Pasuquin, Ilocos Norte	One lane passable	Landslide. Installed road signage/informative signs. Conducted clearing operations by Maintenance Crew
Ilocos Norte Apayao Road	K0534+686, K0 536+200-K0536+223, K0 536+500-K0536+536 Brgy Maan-Anteng, Solsona	One lane passable	Damaged Portland Cement Concrete Pavement and Collapsed Slope. Installed warning/ informative signs
	Pancian-Adams	Not passable	Due to swelling of river
	Bangui-Payac	Passable to motorcycle only	Provincial Engineering Office (PEO) to conduct inspection
La Union			
Agoon-Baguio City Road	K0252+947-K0253+000	Closed to heavy vehicles due to damaged pavement.	DMEs and MPPs inspected AOR; Maintenance crew regularly conducted maintenance activities; Equipment were deployed for various maintenance works/activities; Installed warning and informative sign; Backfilling for temporary roadway; Conducted soil investigation on-going. Closed to heavy vehicles due to damaged pavement. Heavy vehicles were advised to take Bauang-Baguio Road
Bauang-Baguio City Road	K0266+750, Old Road, Brgy. Imelda, Naguilian, La Union	One lane passable	Conducted construction of reinforced concrete box culvert
Ilocos Sur			
	K0353+700 K0354+000, Jct. Candon-Salcedo-Del Pilar Road	Passable	Damaged Concrete Pavement due to heavy rains. Repaired gaps on concrete slab
Manila North Road	Barangay Labut K0387+500 Santa, Ilocos Sur	Passable on 24 August 2018, 9:15 AM	Reported fallen Acacia Tree were completely removed.
Tagudin-Cervantes Road	K0358+500, Naiba, Cervantes, Ilocos Sur	Road closed due to rock/landslides	Installed Road Signages/warning & informative Signs. Conducted removal and clearing of operations
	San Emilio-Quirino-Cervantes Road, San Emilio	Passable on 23 August 2018, 10:30 PM	On 23 August 2018, 5:30 PM, landslide incident transpired due to eroded portion of mountain causing closed road in San Emilio Quirino-Cervantes road.
Junction Santiago-Banayoyo-Lidlidda-San Emilio-Quirino Road:	Barangay Tiagan, K0374+750, San Emilio, Ilocos Sur	Passable to all types of vehicles on 24 August 2018, 11:00 PM	Installed Road signages/warning and informative signs. Conducted removal and clearing of slides.
	Barangay Cayus, Quirino, Ilocos Sur K0393+320		
	Brgy Cayus, Quirino, Ilocos Sur K0 386+050		
	Brgy Cayus, Quirino, Ilocos Sur K0 388+900		
	Brgy. Tiagan, San Emilio, Ilocos Sur, K0 374+750		
	Brgy. Matibuey, San Emilio, Ilocos Sur K0 379+000		

National	Local	STATUS	REMARKS
Lidlidda-Kalumsing-Sibsibu Road	Brgy. San Emilio	Temporary Closed on 25 August 2018	Damaged river embankment due to river swelling and minor landslides
	Brgy. Jordan Road, Sinait	Passable	Not passable to light vehicles on 25 August 2018, around 1:57 AM due to heavy flooding
	Brgy. Paratong, Sta. Lucia	Passable	Not passable on 24 August 2018 and was declared passable on 25 August 2018
	Brgy. Banukal, Lidlidda	Not passable except for motorcycles	As of 24 August 2018, due to landslide
	Brgy. Bacar and Brgy. Maratudo, Magsingal	Not passable to light vehicles as of 24 August 2018	Reported swollen river
Ilocos Sur			
Bauang-Baguio City Road		One lane passable	As of 24 August 2018, conducted construction of reinforced concrete box culvert
Pangasinan			
Alaminos – Bolinao Road K0329+300 (Garrita Bridge)		Passable only to light vehicles	DMEs and MPPs are inspecting AOR; Maintenance crew regularly conducted maintenance activities; Equipment were deployed for various maintenance works/activities; Installed warning and informative sign
Pangasinan-Tarlac Road	K0172+150 Bogtong Section	Passable to all types vehicles	Water subsided
	K0198+200 Bugallon Poblacion Section	Passable to all types vehicles	Water subsided
	Urdaneta Jct-Dagupan Rd (via Zambales Road) YMCA Tapuac Section	Passable to all types vehicles	Water subsided
	Burgos St.	Passable to all types vehicles	Water subsided
	Traffic Jollibee Junction Dagupan	Passable to all types vehicles	Water subsided
	Urdaneta Junction-Dagupan Road (via Perez Road)	Passable to all types vehicles	Water subsided
	Urdaneta Jct-Dagupan Rd (via Tarlac Road)	Passable to all types vehicles	Water subsided
	Mayombo Section (Villaflores Hospital)	Passable to all types vehicles	Water subsided
Dagupan-Bonuan-San Fabian Road	K0381+500 Arellano Section	Passable to all types vehicles	Water subsided
Judge Jose De Venecia Sr. Ave Road (Sphere Section)		Passable to all types vehicles	Water subsided
	Road going to Brgy. Angatel, Urbiztondo	Not passable to light vehicles on 25 August 2018	
	Brgy. Malibong going to Isla		
	Brgy. Sawat going to Isla		
CAR			
Kennon Road		Not Passable since 22 July 2018	Reported recurring debris flow. Motorist were advised to take Marcos Highway
Naguilian Road	Bermuda Hills, Irisan	Not passable as of 25 August 2018	Rock slide was cleared.
Benguet-Nueva Vizcaya Road			
	K0254+200-K054+300 Brgy. Beckel, Lamut Junction, La Trinidad, Benguet	Closed to traffic due to road slip	Alternate Route: Suyoc-Beckel Provincial Road
	K0273+580, Sitio Banao, Sitio Guisset Itogon, Benguet	One lane passable as of 25 August 2018	Conducted clearing operations due to fallen trees
	K0276+800, Sitio Banao, Brgy. Ambuklao, Bokod Benguet	One lane passable as of 25 August 2018	Conducted clearing operations due to fallen trees
Baguio - Bontoc Road			
	K0276+650-K0276+660, Caliking, Atok, Benguet	One lane passable	Conducted clearing operations by one (1) DPWH Payloader and Maintenance crew on 23 August 2018
	K0278+870-K0278+900, Topdac, Atok, Benguet	One lane passable	Conducted clearing operations by one (1) DPWH Payloader and Maintenance crew due to soil collapse on 23 August 2018
	K0280+620-K0280+660, Topdac, Atok, Benguet	One lane passable	Mobilized equipment for clearing operations due to soil collapse on 23 August 2018
	K0282+900-K0282+920, Topdac, Atok, Benguet	One lane passable	Mobilized equipment for clearing operations due to soil collapse on 24 August 2018
	K0298+200, Sayangan, Paoay, Atok, Benguet	One lane passable	Mobilized equipment for clearing operations due to rockslide on 24 August 2018
	K0302+300-K0302+343, Cattubo, Atok, Benguet	Punch thru open	Section was closed again to traffic on 25 August 2018, 1:00 AM but was punched thru open to traffic on the same date at 7:30 AM.
	K0307+550, Calasipan, Atok, Benguet	Punch thru open	Section was closed to traffic on 24 August 2018, 1:40 PM but was punched thru open to traffic on the same date at 4:50 PM.
	K0309+150, Calasipan, Atok, Benguet	Punch thru open	Section was closed to traffic on 24 August 2018, 3:20 PM but was punched thru open to traffic on the same date at 4:15 PM.

National	Local	STATUS	REMARKS
	K0320+850-K0320+870, Amaleyguey, Buguias, Benguet	Punch thru open	Section was closed to traffic on 26 August 2018, 1:00 AM but was punched thru open to traffic on the same date at 8:30 AM
	K0343+700-K0343+722.5, Sinto Section, Bauko, Mt. Province	Punch thru open	Section was closed to traffic on 24 August 2018, 1:00 PM but was punched thru open to traffic on the same date at 4:50 PM
	K0314+050, Colliding, Buguias, Benguet	Punch thru open	Section was closed on 25 August 2018, 1:00 PM
	K0314+800, Amgaleguey, Buguias, Benguet	Punch thru open	Section was closed on 25 August 2018, 1:00 PM
	K0292+300-K0292+320 Bacao, Atok, Benguet	Punch thru open	Section was closed to traffic on 25 August 2018, 5:20 PM but was punched thru open to traffic at 6:10 PM of the same day.
	K0387+950-K0387 +960, Balitian Section, Bontoc, Mt. Province	Punch thru open	Section was closed to traffic on 25 August 2018, 3:30 PM but was punched thru open to traffic on the same date at 4:00 PM
Abra			
Abra-Kalinga Road	K0425+270, Balais, Lagangilang, Abra	Open to traffic	Section was closed to traffic on 26 August 2018, 5:50AM but was punched thru open to traffic at 7:30AM of the same day.
	K0460+200 Caoayan, Licuan-Baay, Abra	One lane passable	Section is one lane passable on August 26 due to soil collapse and fallen trees.
	K0466+950 Baquero, Nalbuan, Licuan-Baay, Abra	One lane passable	The section is one lane passable due to soil/rock collapse
Lagangilang Access Road	Chainage 200, Bumagcat, Tayum, Abra	Open to traffic	Section was closed to traffic on 24 August 2018, 3:40 PM but was punched thru open to traffic at 4:50PM
Abra-Cervantes Road	K0448+340-K048+380 Naguillan, Sallapadan, Abra	Punch thru open	Section was closed to traffic 26 August 2018, 8:35 AM due to soil collapse but was punched thru open at 2:25 PM of the same date.
Langiden, Abra	Brgy roads in Brgy. Baac going to Malapao and Mabongtot	not passable due to high level of water.	Flood subsided on 28 August 2018
Benguet			
Baguio-Bua-Itogon Road	K0259+600, Sitio Kiangan Village Brgy. Ucab, Itogon, Benguet	Closed to traffic as of 22 August 2018	Conducted clearing operations by one (1) DPWH Backhoe, two (2) DPWH Dumptruck with maintenance cre, and three (3) municipal loaders on 22 August 2018. Alternate route: Ucab-Midas-Poblacion Municipal Road
	K0260+800-K0260+900, Sitio Goldfield, Brgy. Poblacion, Itogon	Punch thru open	Installed warning signs Section was closed on 25 August 2018 at 9:00AM. Punched thru open at 1:50PM on same date.
Asin-Nangalisan, San Pascual Road	K0260+450-K0260+460, Brgy. Tadiangan, Tuba	One lane passable	Conducted clearing operations due to landslides
Acop-Kapangan-Kibungan-Bakun Road	K0318+720-K0318+750 Tinamang, Poblacion, Kibungan	Punch thru open	Conducted clearing operations by LGU Kibungan Payloader. Closed to traffic as of 24 August 2018
	K0330+900-K0330+930, Tabbak, Kibungan, Benguet	Punch thru open	Conducted clearing operations
	K0320+400-K0320+420, Mayus, Poblacion, Kibungan, Benguet	Punch thru open	Clearing operations by LGU Kibungan Payloader is temporarily suspended due to continuous heavy rains. Punched thru open on 26 August 2018, 9:00 AM
	K0330+800-K0330+840, Tabbak, Kibungan, Benguet	Punch thru open	Conducted clearing operations by LGU Kibungan Payloader. Closed to traffic as of 24 August 2018. Punched thru open 27 August 2018, 10:00 AM
	K0296+400-K0296+425, Beleng-belis, Kapangan, Benguet	Punch thru open	Section was closed to traffic on 24 August 2018, 2:00AM but was punched thru open to traffic on the same date at 7:00AM
	K0339+850-K0339+870, Malikliko, Ampusongan, Bakun, Benguet	Punch thru open	Clearing operations by LGU Kibungan Payloader is temporarily suspended due to continuous heavy rains. Conducted clearing operations.
	K0307+700 Segpat, Kibungan, Benguet	Punch thru open	Section was closed on 26 August 2018 at 1:00AM due to soil collapse but was punched thru open at 12:30 PM of the same date
	K0309+020 Poblacion, Kibungan, Benguet	Punch thru open	Section was closed to traffic on 25 August 2018 at 6:00PM but was punched thru open to traffic at 12:10 PM of the same date.
	K0269+799-K0269+827 Daclan, Tublay, Benguet	One lane passable	Installed warning signs. Roadslip
	K0292+270-K0292+270 Balakbak, Kapangan, Benguet	One lane passable	Installed warning signs. Roadslip
	K0304+047+K0304+070 Segpat, Kibungan, Benguet	One lane passable	Installed warning signs. Roadslip
K0350+600-K0350+620 Gambang, Bakun, Benguet	One lane passable	Installed warning signs. Roadslip	
Gurel-Bokod-Kabayon-Buguias-Abatan Road	K0352+100-K0352+160, Poblacion, Buguias	Punch thru open	Conducted clearing operations and road section was on open/close situation
	K0355+800-K0355+820, Alapang, Sebang, Buguias, Benguet	Punch thru open	Section was closed to traffic on 25 August 2018, 6:00AM but was punched thru open to traffic on the same date at 8:30AM

National	Local	STATUS	REMARKS
Buguias-Tinoc Road	K0354+300-K0354+330, Lilit, Sebang, Buguias, Benguet	Punch thru open	Section was closed due to soil collapse at 1:00PM of 26 August 2018. PUNCHED THRU OPEN ON AUGUST 27 at 1050H
Mt. Province			
Junction Talubin-Barlig-Natonin-Paracelis-Calaccad Road	K0378+400-K0378+418 Talubin Section, Bontoc, Mt. Province	Punch thru open	Section was closed to traffic due to slope collapse on 26 August 2018 at 9:15 AM but was punched thru open to traffic at 12:25 PM of the same day.
	K0385+650-K0385+680, Balabag, Talubin Section, Bontoc, Mt. Province	Punch thru open	Section was closed to traffic due to slope collapse at 4:30PM on 26 August 2018 but was punched thru open to traffic at 7:10PM of the same date.
	K0435+200-K0435+205, Alunogan, Natonin	Open to traffic	Section was closed due to landslide on 25 August 2018
	K0434+850-K0434+860, Alunogan, Natonin	Open to traffic	
Kalinga			
Tabuk-Banaue Road via Tanudan-Barlig Road	K0543+200-K0543+395, Dumanay Section, Tanudan	Closed to traffic	The road is closed due to restoration of road section
	K0522+100-K0522+250, Matelled Section, Tanudan	One lane passable	Conducted clearing operations due to slides and sinking pavement
Balbalan-Pinukpuk Road	K0499+500-K0499+567.5 Limos Section	One Lane Passable	Conducted clearing operations due to soil collapse on 25 August 2018.
Cagaluan-Calanan Road	K0483+000-K483+006, Gonogon Section, Tabuk, Kalinga	One Lane Passable	Equipment mobilized for clearing operations. Due to soil collapse on 25 August 2018.
Mt. Province Boundary-CalananPinukpuk-Abbut Road	K0424+11 0-K0424+135, Mabongis Section, Bugnay, Butbut, Tinglayan	Punch thru open	Further clearing operations by one (1) DPWH equipment is ongoing

SOURCES: OCDROs I, CAR and MMDA

Note: Previously reported flooding and not passable roads in NCR were not related to "TD Luis"

	Affected	Passable	Not Passable
ROADS	95	80	15
BRIDGES	1	0	1

**Preparedness Measures and Effects of Southwest Monsoon
Enhanced by Tropical Depression "LUIS"**

POWER SUPPLY

23 - 24 August, 2018

PROVINCE	AFFECTED AREAS	DATE OF INTERRUPTION / OUTAGE	RESTORED
GRAND TOTAL:	23		
Region I			
Ilocos Sur	Sugpon	24 August 2018, 11:55 AM	24 August 2018, 2:33 PM
		24 August 2018, 3 PM	24 August 2018, 5:25 PM
		25 August 2018, 3:30 AM	25 August 2018, 11:30 AM
	Sinait	24 August 2018, 8:00 PM	25 August 2018, 8:30 AM
	Quirino	25 August 2018, 1:40 PM	25 August 2018, 5:08 PM
CAR			
Baguio City	Camp 8	25 August 2018, 3:58 PM	25 August 2018, 5:08 PM
	San Vicente		
	Camp 7		
	Parts of Loakan Proper		
	Parts of Liwanag		
	Parts of Bakakeng		
	Victoria Village	26 August 2018, 5:40 PM	26 August 2018, 6:41 PM
	Quezon Hill Proper		
	Middle Quezon Hill		
	Upper Quezon Hill		
	Araneta		
	Tacay Road		
	Pinsao Proper		
	Pinsao Pilot Project		
	Fairview		
	Parts of Irisan (Upper Balenben)		
	La Trinidad: Parts of Puguis (Longlong Rd.and Lamtang		

PROVINCE	AFFECTED AREAS	DATE OF INTERRUPTION / OUTAGE	RESTORED
Abra	Barangay Polacion	26 August 2018, 2:00 AM	28 August 2018, 5:00 PM
	Barangay Taripan		
	Barangay Dulduluo (Malibcong)		

Sources: OCDROs I and CAR

**Preparedness Measures and Effects of Southwest Monsoon Enhanced by
Tropical Depression “LUIS”
DISASTER PREPAREDNESS AND RESPONSE
23 - 24 August, 2018**

I. National Disaster Risk Reduction and Management Council

1. NDRRM Operations Center (NDRRMOC)

- a. Raised its Alert Status to Blue and conducted the following:
- Monitored the effects of Southwest Monsoon in the country.
 - Disseminated weather advisories to RDRRMC member-agencies, P/C/MDRRMCs, and local media (radio stations) through SMS, and uploaded the same to social media accounts to effectively ensure public safety and achieve zero-casualty; and
 - Alerted and coordinated with all PDRRMCs and RDRRMC member-agencies for rescue, relief, and other response operations relative to the weather disturbance; and monitored the situation in their respective AORs.

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

Monitored situation and provided General Flood Advisories, Gale Warning, Weather Advisories, and 24-hour Public Weather Forecasts, and other weather information to all stakeholders.

3. Department of Social Welfare and Development (DSWD)

- a. The Disaster Response Operations Monitoring and Information Center DSWD-DRMB coordinated with the concerned DSWD-Field offices for significant disaster response operations updates.
- b. Monitored the status of IDPs inside and outside evacuation centers through the assistance of the LGUs.

4. Department of Health (DOH)

- a. Monitored the weather updates through PAGASA.
- b. Coordinated with regional offices and attached agencies for any untoward incident and update on response actions.

5. Department of Interior and Local Government (DILG)

Monitored the reports from affected DILG Regional offices and LGUs re preparedness actions based on Operation LISTO protocols.

6. Department of Education (DepEd)

Monitored the schools used as ECs affected by flooding and class suspensions in their respective divisions and regions.

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

- a. RDRRMCs I and CAR disseminated weather advisories to RDRRMC member-agencies, P/C/MDRRMCs, and local media (radio stations) through SMS, and uploaded the same to social media accounts to effectively ensure public safety and achieve zero-casualty.

- b. Alerted and coordinated with all PDRRMCs and RDRRMC member-agencies for possible rescue, relief, and other response operations relative to the weather disturbance.
- c. Monitored the situation within its respective AORs.

1. RDRRMC I

OCD I

- a. Disseminated warning, bulletin, and other vital information using all available platforms including the social media.
- b. Coordinated with Response Cluster and Local DRRMCs.
- c. Monitored the Area of Responsibility (AOR).
- d. Disseminated RDRRMC Memo regarding Extended Blue Alert Status.
- e. Conducted Inventory of RDRRMC I response assets.
- f. Provided fuel for transportation of food and non-food items to Ilocos Norte.

DILG I

- a. Monitored the situation within the AOR.
- b. Disseminated advisories received from PAGASA and DILG CODIX to all LGUs.
- c. Informed LGUs with coastal barangays to take precautionary measures when going out to the sea and be alerted to any warning as disseminated by their respective DRRMCs.
- d. Informed all affected LGUs relative to the issuance of Notice of Dam Discharge from NPC.

DSWD I

Delivered 3,000 Family Food Packs to the Province of Ilocos Norte for prepositioning.

BFP I

- a. Raised the alert status of all Operations Center to Blue.
- b. Monitored the situation within AOR per station.
- c. Ensured the accessibility of available rescue equipment and resources.
- d. Maintained intact inter-agency communication.

DOH I

- a. Directed Regional Operation Center and four (4) Provincial DOH Operation Center to coordinate with their respective DRRMCs.
- b. Prepositioned inventory of equipment, supplies, drugs, and medicines for health emergency management.

DEPED I

- a. Disseminated advisories from DepEd DRRMS Central office to DepEd DRRM Regional /Division Coordinators and DepEd Regional Chiefs/School Heads or DRRM Coordinators.
- b. Reported class suspensions and status of evacuation center status to DRRMS Feedback numbers.
- c. Coordinated with Municipality/City on class suspension/resumption and learning continuity to assure quality education.

PNP Regional Office 1

Deployed a truck for the transportation of FFPs to Ilocos Norte.

DPWH I

- a. Directed all District Engineering offices to monitor its respective AORs specifically the flood and landslide-prone areas.
- b. Deployed Quick Response Assets at strategic locations.
- c. Placed the maintenance crews in affected areas on standby within AOR.

PDRRMC Ilocos Norte

- a. Advised all DRRMOs to inform all BDRRMCs to regularly monitor the health condition of vulnerable groups, senior citizens, PWDs, and pregnant women.
- b. Advised all LDRRMOs to inform all BDRRMCs to prohibit children from swimming in swollen rivers and creeks.
- c. Advised all residents to limit outside exposure and stay indoors during heavy rains and thunderstorms accompanied by lightning.
- d. Advised thru Barangay officials the farmers/livestock raisers to secure their livestock in safe areas or in livestock shelters; and for fishermen not to venture out to the sea when there is thunderstorm, lightning, gale warning, typhoons, or adverse sea weather condition.
- e. Advised DRRMOs to conduct inspection of Evacuation Centers and ensure its functionality.
- f. Advised DRRMOs to ready its equipment - dump trucks, rubber boats, evacuation centers, ambulances, food packs, relief goods, medicines, SAR Teams, personnel and other resources; and monitor flood-risk areas.
- g. Monitored emergency incidents through 911.
- h. Implemented pre-emptive evacuation in several barangays of Laoag City, Ilocos Norte particularly in Brgys. 1, 2, 23, and 51-B.

MDRRMC Dingras

- a. Monitored and disseminated severe weather bulletins and 24-hour public weather forecasts to all MDRRMC, BDRRMC, SDRRMC, and NGOs through SMS
- b. Placed MDRRMC, DiVERT Group on standby and ready for deployment.
- c. Prepared Rescue Equipment and Evacuation Centers ready for any eventuality.
- d. Conducted PDRA relative to the weather condition.

PDRRMC Ilocos Sur

- a. Placed USAR, WASAR, and Medical teams ready for deployment.
- b. Prepositioned and checked WASAR, USAR equipment and tools, Ambulance, Rescue Truck, 2 OBM Fiber Boats, Rescue 1, 6x6 Truck, Hummer 1 and 2 vehicles ready for dispatch at the Provincial Capitol.
- c. Prepositioned food packs ready for distribution, if the need arises..
- d. Monitored the weather disturbance through PAGASA and Office of Civil Defense; and updated the Weather Bulletin posted in front the Provincial Capitol.
- e. Forwarded to C/MDRRMOs the weather update through text/email/social media issued by the PAGASA and Office of Civil Defense
- f. Enforced timely and accurate situational reports from the City/ Municipal DRRMs.

MDRRMC Cabugao

- a. Prepositioned heavy equipment and operators for clearing and rescue operations.
- b. Alerted all Fisherfolks relative to the issued the Gale Warning.
- c. Recorded rescuers who rendered duties and monitored coastal barangays and flood prone areas for possible flooding.

MDRRMC Galimuyod

Monitored the situation within the AOR.

MDRRMC Lidlidda

- a. Placed Rescue Team, BFP, and PNP on standby.
- b. Conducted roving activities within the AOR.

MDRRMC Quirino

- a. Dispatched rescuers together with DPWH local workers for clearing operations.
- b. Cautioned travelers/vehicles in passing along skyline area due to possible landslide.

MDRRMC Sinait

- a. Dispatched two (2) teams were for close monitoring of the AOR.
- b. Ensured that all heavy equipment was on standby.

MDRRMC Sta. Catalina

- a. Disseminated weather advisories and warnings.
- b. Ensured close coordination with the MDRRMC and BDRRMCs.
- c. Advised fisherfolks near the coastal areas to take precautionary measures.

MDRRMC Sta. Cruz

Monitored coastal barangays and flood prone areas for possible flooding.

MDRRMC Sta. Lucia

Monitored the status of seawall infrastructure within the AOR.

PDRRMC La Union

- a. Issued Memorandum raising its alert status from WHITE to BLUE on 07 August 2018, 12:00 NN.
- b. Monitored and disseminated weather advisories, 24-hour public weather forecasts, gale warning, and other advisories to all C/MDRRMOs through La Union 911.
- c. Disaster Response Operations Monitoring and Information Center (DROMIC) of the PSWD closely coordinated with concerned C/MSWD offices for significant updates relative to its preparedness levels and actions.
- d. Alerted Provincial Engineering personnel for possible deployment.
- e. Placed all heavy equipment and assets on standby alert.
- f. Alerted all C/Municipal Engineering offices to assist in Search, Rescue and Retrieval Operations, and Road Clearing Activities.
- g. Placed all health personnel and medical teams on code WHITE Alert Status and ready for deployment.

- h. Ensured the availability of medicines and medical supplies to all District Hospitals in La Union.
- i. Provincial General Services office ensured vehicles, drivers and utility personnel on standby for possible deployment.
- j. Alerted all personnel to monitor weather conditions and any untoward incidents in the Province.

PSWDO La Union

- a. DROMIC coordinated with concerned C/MSWDOs for significant updates.
- b. Delivered relief goods to the Municipalities of Luna and San Juan.

PEO La Union

- a. Alerted personnel for possible deployment.
- b. Ensured that all heavy equipment was placed on standby.
- c. Alerted all City/Municipal Engineering offices to assist in Search, Rescue, and Retrieval Operations and road clearing activities.
- d. Provided trucks for relief distribution in Luna and San Juan.

PHO La Union

Ensured the availability of medicines and medical supplies to all District Hospitals in La Union.

CDRRMC San Fernando City

- a. Activated the Operations Center.
- b. Monitored the status of different barangays.
- c. Prepared equipment and assets ready for deployment.
- d. Conducted roving to barangays to send reminders and assist in the inventory of resources.
- e. Provided information to public re weather updates and class suspension using social media.

MDRRMC Bauang

- a. Activated the Operations Center.
- b. Monitored the status of the different barangays.
- c. Prepared equipment and assets ready for deployment.
- d. Monitored weather updates and forecast.
- e. Provided information to public re weather update and class suspension through the use of social media.

PDRRMC Pangasinan

- a. Monitored the situation especially the water level rise within AOR.
- b. PDRRMC with its Member Agencies and offices were placed on standby in case of emergency situation.
- c. Monitored PAGASA's Weather Bulletin, San Roque Dam, and Agno Flood Forecasting and Warning Advisories.
- d. Informed DRRMO/Cs in the Province of Pangasinan to implement its Preparedness Plan and to undertake all precautionary measures, be ready with its Rescue and Emergency Response Units and warn its residents to evacuate to safer grounds and to undertake pre-emptive evacuation whenever necessary especially in landslide/flood-prone areas.
- e. Cascaded information on preparedness and advisories through Tri-Media and social media to ensure public safety.

- f. Conducted river assessment along Sta. Barbara, Calasiao, and Bugallon.
- g. Augmented the team of PNP for possible deployment.
- h. Prepositioned water assets in six (6) flood-prone municipalities.

CDRRMC Alaminos City

- a. Monitored the situation in the AOR and disseminated weather advisories through SMS to CDRRMC members, Punong Barangay, and BDRTs.
- b. Reiterated the Strategic Direction: Well prepared, best equipped and highly responsive PDRRMO
- c. Alerted all personnel of the Alaminos Response Team, WASAR and concerned agencies ready for deployment.
- d. Monitored bridges, rivers, and low-lying areas.

MDRRMC Bani

- a. Monitored PAGASA's Weather Bulletin, and OCD, PDRRMC and Windy Weather Websites.
- b. Prepared all necessary rescue vehicles and equipment.
- c. Monitored water level of different rivers.

MDRRMC Bautista

- a. Raised the alert status of the Operations Center from Blue to Red on 25 August 2018, 6:00 PM.
- b. Disseminated preparedness and advisories through telephone calls, Facebook Account, and ADRIS (Automatic Disaster Response Information System) Text Blast to ensure public safety.
- c. Advised BDRRMCs Chairman/Punong Barangays to initiate pre-emptive evacuation especially those along the river bank and high-risk flood prone barangays if necessary.
- d. Alerted BDRRMCs along the Agno River Basins to continuously monitor the water level.
- e. Prepared all necessary equipment for possible response to emergency cases whenever necessary.
- f. Advised BDRRMCs not to allow their residents along the Agno River especially minors not to swim in the area.
- g. Deployed the Philippine Red Cross 143 Trained Community Based Health First Aid (CBHFA).
- h. Volunteers in the AOR assisted BDRRMCs for emergency response and reporting.
- i. Monitored the Agno River.

MDRRMC Bayambang

- a. Raised Alert Status to RED on 12 August 2018, 7:00 AM.
- b. Undertook the following activities:
 - Convened MDRRMC members for a meeting.
 - Placed Disaster and emergency plan.
 - Activated all MDRRMC staff including WASAR.
 - Prepared all rescue vehicle and equipment.
 - Coordinated with 77 BDRRMC, PNP, BFP and health agencies.
 - Activated force multipliers volunteers.
- c. Conducted ocular visit to flood-prone barangays.
- d. Monitored BDRRMC on flooded barangays.

- e. Submitted the Preparedness Measures and Situational Reports to EOC through e-mail.

MDRRMC Binalonan

- a. Placed all MDRRMO (Team Alpha and Team Bravo) on standby alert.
- b. Ensured all Emergency Medical Service (EMS) Personnel and Equipment were ready to respond when the need arises.
- c. Prepositioned equipment and tools for rescue and utilized EMS and WASAR personnel during the rescue operations.
- d. Monitored water level on main waterways along Tagamusing and Tulong Bridge where Sinucalan River passes.
- e. Utilized mobile phones to directly inform and receive information from the Barangay Captains of all the 24 Barangays in Binalonan.
- f. Conducted Mobile Patrolling of Emergency Response Vehicles were conducted to the 13 Barangays prone to flooding.
- g. Monitored the AOR.

MDRRMC Binmaley

- a. Monitored PAG-ASA Forecast, OCD and PDRRMC advisories.
- b. Alerted responders and WASAR Teams relative to the weather condition.
- c. Disseminated Information and Advisories to all Barangay officials and other concern stakeholders.
- d. Posted weather forecasts in social media.
- e. Coordinated with barangays that were affected by rain and flood water.
- f. Monitored the low-lying areas.

MDRRMC Bolinao

- a. Monitored PAG-ASA's weather update.
- b. Activated the Emergency Operation Center.
- c. Placed response team and equipment on standby.
- d. Monitored possible incidents within AOR.
- e. Coordinated with Punong Barangays, PNP, BFP, MSWDO, PCG and other agencies involved.
- f. Conducted roving to Brgy. Zaragoza, one of the landslide-prone barangays within the municipality.

MDRRMC Calasiao

- a. Monitored and prepared all necessary equipment and Evacuation Centers.
- b. Coordinated with PNP and BFP, Brgy. Officials, and other agencies.

CDRRMC Dagupan City

- a. Coordinated with CDRRM Council, Partner Agencies (PNP, PNP MARITIME, BFP, PCG DAG DET AND PN NRCNL), NGO's, DepEd, and BDRRMC relative to the weather condition.
- b. Monitored national agencies website for additional info and alerts.
- c. Advised fisherman through Coastal/ Island Barangay Council not to venture out into the sea.
- d. Advised Barangay Chairman to activate BDRRMC and Operation/Evacuation Center, conduct monitoring, and inform residents to take necessary precaution/evacuation.

MDRRMC Infanta

- a. Activated the Incident Command System (ICS).
- b. LDRRM Office actively monitored the status the AOR and possible incidents related to monsoon rains.
- c. Coordinated with the local DILG, DSWD, PNP, PCG, BFP, RHU and BDRRMC personnel relative to the event.
- d. Monitored high and low tide cycle.
- e. Disseminated weather advisories through social media and other means available.
- f. Advised fisherfolks not to venture out to the sea.
- g. Placed Municipal evacuation center on standby for possible incoming evacuees

MDRRMC Lingayen

- a. Monitored PAGASA's Weather Bulletin, San Roque Dam, and Agno flood forecasting and Warning Advisories.
- b. Disseminated preparedness measures and advisories through social media to ensure public safety.
- c. LDRRMO raised its alert status to Red.
- d. Monitored Coastal Barangays and Southern Barangays near Agno River.
- e. Coordinated with all barangay captains of the most flood prone barangays.
- f. Prepared water assets and other equipment needed for response.

MDRRMC Mabini

MDRRMO raised its alert status to Blue.

MDRRMC Manaoag

- a. Activated the Emergency Operations Center on 11 August 2018, 5:00 PM.
- b. Alerted all volunteers and WASAR/Communications and Search and Rescue teams, including the PNP and BFP.
- c. Deployed MDRRMC WASAR Teams, BFP, and PNP in low-lying barangays to alert and conduct pre-emptive evacuation.
- d. Monitored PAGASA's Weather Bulletins, OCD, and Pangasinan PDRRMO Advisories, NCGP, and other weather forecasting sites.
- e. Coordinated with PNP and BFP on possible incidents within AOR.
- f. Monitored national agencies website for additional information and alerts.
- g. Monitored all major bridges in Manaoag namely Sapang, Inamotan-Camantiles, Cabanbanan, Baritao, San Ramon, Baloking, Sapang, Lipit Norte, and Oraan East.
- h. Monitored all major rivers (Sinucalan, Aloragat, and Angalacan) and its tributaries.
- i. Monitored all low-lying areas (Brgys Matulong, Baguinay, Inamotan), as well as Brgys along the three major rivers (Brgys Nalsian, Bucao, Cabanbanan, San Ramon, Mermer, Baritao, Pantal).
- j. Conducted PDRA on 11 August 2018, 7:00 PM.
- k. Coordinated with Barangay Councils low-lying areas for possible rescue and evacuation.

- I. Cleared and cleaned-up the Municipal Sports Complex which served as main evacuation site.

MDRRMC Mangatarem

- a. Monitored the situation especially the water level rise within the AOR.
- b. Monitored PAG-ASA weather bulletin, San Roque Dam, and Agno Flood Forecasting and Warning Advisories.
- c. Disseminated advisories through text brigade.
- d. Alerted the Barangays along the river basins to continuously monitor the water level.
- e. Activated and placed all members of WASAR AND SAR Teams on standby.
- f. Prepared relief goods in case of relief operations to the affected areas.

CDRRMC San Carlos City

- a. Placed CDRRMO Action Center on 24/7 and on standby.
- b. Coordinated with all 86 barangays in San Carlos City relative to San Roque Dam status and release of water in 4 gates and advised those areas near river creeks to make necessary preparation, precaution or early pre-emptive evacuation if situation escalate due to flood.
- c. Coordinated with PDRRMC Pangasinan, CDRRMC, BDRRMCs, Partner Agencies, and stakeholders relative to the weather condition.

MDRRMC Sta. Barbara

- a. Monitored the flow of water in Sinucalan River from upstream.
- b. Coordinated with the Barangay Officials of low-lying areas and with barangays which are always affected by rain and flood water.
- c. Monitored and coordinated with PNP and BFP relative to the event.
- d. Monitored and prepared all necessary equipment for possible response.
- e. Alerted all volunteers and WASAR teams.
- f. Monitored PAGASA, OCD and PDRRMC updates.

CDRRMC Urdaneta City

- a. Monitored the weather condition on PAGASA website.
- b. Monitored the water level on main waterways namely Tagamusing, Mitura, Macalong, and Sinucalan Rivers.
- c. Placed all WASAR Volunteers on standby.
- d. Prepared Emergency Medical Service (EMS).

MDRRMC Villasis

- a. Monitored PAGASA's weather bulletins.
- b. Disseminated advisories through tri-media and social media to ensure public safety.
- c. Coordinated with the barangays which are always affected by rain and floodwater, and with PNP, BFP and PDRRMO.
- d. Distributed written weather advisory to all Barangays within the Municipality.
- e. Alerted barangays situated along Agno River to monitor water level and instructed to report if significant change was observed.
- f. Prepositioned all heavy equipment and rescue vehicle.

- g. Placed LDRRM Team was on alert and on 24-hour monitoring.

MDRRMC San Fabian

- a. Disseminated information and advisories to all BDRRMCs and other concerned agencies.
- b. Monitored the water level status in Cayanga-Bued River.
- c. Alerted all WASAR Teams and volunteers.
- d. Inspected affected areas for possible flooding and landslide.

MDRRMC Urbiztondo

Monitored flood prone barangays and weather updates from PAGASA.

2. RDRRMC III

OCD III

- a. Disseminated weather bulletins and flood advisories to concerned provinces.
- b. Monitored the situation and incidents within the AOR.
- c. Coordinated with concerned LGUs regarding the situation.

DILG III

- a. Submitted SitReps regarding Southwest Monsoon and TD “LUIS” to RDRRMC and DILG National.
- b. Advised LGUs to establish critical preparedness actions based on the Operation LISTO protocols, prioritize prepositioning of supplies and equipment for response if necessary, and prepare communities especially those in low-lying and/or landslide prone areas, highways and riverbanks including fishermen.
- c. Monitored the LGU’s critical preparedness actions.

DSWD III

- a. Monitored and coordinated with DSWD Provincial Extension office and the seven provinces relative to the status of its respective area.
- b. Monitored the existing evacuation centers in Central Luzon.

DPWH III

- a. Submitted SitRep on major roads and bridges to RDRRMC and DPWH National.
- b. Monitored conditions of national roads and bridges.

PAGASA-FFWS

Disseminated advisories to RDRRMC Member Agencies and LGUs.

PDRRMC Bataan

- a. Submitted SitRep regarding Effects of Southwest Monsoon.
- b. Disseminated the latest weather update and flood advisory from PAGASA to all DRRMs and PDRRMC Member Agencies through social media and SMS.
- c. Advised all DRRMOs and concerned agencies to report any eventualities.
- d. Monitored flooding and landslide-prone areas.

PDRRMC Bulacan

- a. Monitored observations from rain gauges and water level stations located in the different areas within the province.
- b. Submitted report to OCD, DILG, and other concerned government agencies and partners.

PDRRMC Pampanga

- a. Activated the PDRRMO Operations Center and prepositioned Disaster Response Equipment and placed manpower on standby.
- b. Monitored and coordinated with Local DRRMCs on the overall situation of the AOR and advised to monitor especially the coastal and upland areas for possible flash floods and landslides.

3. RDRRMC CAR

Raised its alert status to RED on 25 August 2018, 8:00 AM.

OCD CAR

- a. Coordinated with the LDRRMCs in the region re weather status, road conditions, and reported incidents.
- b. Coordinated with PAGASA Baguio Synoptic Station.
- c. Conducted PDRA Meeting with Cordillera RDRRMC members due to Southwest Monsoon on 25 August 2018.
- d. Conducted RDRRMC Core Group meeting on 31 August 2018.

DSWD CAR

- a. Attended the PDRA Meeting regarding contingency planning on the possible effects of Southwest Monsoon.
- b. Prepositioned a total of ₱744,732.40 standby funds.
- c. Coordinated with LGUs and distributed assistance to the affected families.
- d. Assigned a staff from Disaster Response and Management Division to the RDRRMC Emergency Operations Center.
- e. Raised its alert status to Red effective 24 August 2018 and activated the Quick Response Team.
- f. Coordinated with Cordillera RDRRM Council re monitoring and verifying reports on affected and displaced families.
- g. Prepositioned 19,260 family food packs and 1,543 non-food items.
- h. Distributed 6,800 family food packs to various LGUs.
- i. Attended the RDRRMC Core Group meeting on 31 August 2018.

DPWH CAR

- a. Submitted Situation Report on road networks and posted traffic advisories via social media accounts and text brigades.
- b. Conducted clearing operations within AOR.
- c. Attended the PDRA Meeting regarding contingency planning on possible effects of Southwest Monsoon.
- d. Attended the RDRRMC Core Group meeting on 31 August 2018.

DOH CAR

- a. Prepositioned medicines to the Provincial Health Offices (PHO) and placed medical responders on standby.
- b. Attended the PDRA Meeting regarding contingency planning on the possible effects of Southwest Monsoon.

- c. Ensured that all DOH affiliated hospitals and public hospitals are ready to respond to any massive medical emergency.

DILG CAR

- a. Attended the PDRA Meeting regarding contingency planning on the possible effects of Southwest Monsoon.
- b. Checked information regarding the dead and missing persons prior to the release of assistance.
- c. Attended the RDRRMC Core Group meeting on 31 August 2018.

DA CAR

- a. Attended the PDRA Meeting regarding contingency planning on possible effects of Southwest Monsoon.
- b. Monitored agricultural damage.

DENR CAR

Attended the PDRA Meeting regarding contingency planning on possible effects of Southwest Monsoon.

BFP CAR

- a. Attended the PDRA Meeting regarding contingency planning on the possible effects of Southwest Monsoon.
- b. Monitored the critical areas in Tuba, Benguet.
- c. Coordinated with all the LGUs and OCD-CAR relative to the weather condition.

PNP CAR

- a. Placed on standby alert for the conduct of search and rescue operations.
- b. Attended the PDRA Meeting regarding contingency planning on the possible effects of Southwest Monsoon.
- c. Deployed personnel for road clearing operations.
- d. Deployed a total of 165 SAR personnel and placed 656 on standby.

DENR MGB

- a. Attended the PDRA Meeting regarding contingency planning on the possible effects of Southwest Monsoon.
- b. Sent advisories on flashflood and landslide prone areas.

DepEd CAR

Activated School DRRMCs to ensure that identified schools can be utilized as evacuation centers and ready to accommodate evacuees.

AFP

Philippine Army, 503rd Infantry Brigade

- a. Attended the PDRA Meeting regarding contingency planning on the possible effects of Southwest Monsoon.
- b. Alerted responders for possible deployment.

Philippine Airforce, Tactical Operations Group 1

- a. Attended the PDRA Meeting regarding contingency planning on the possible effects of Southwest Monsoon.
- b. Assigned personnel to augment coordination efforts in the Emergency Operations Center.

- c. Alerted responders for possible deployment.
- d. Attended the RDRRMC Core Group meeting on 31 August 2018.

14th CAR, RCDG, ARESCOM, PA

Attended the RDRRMC Core Group meeting on 31 August 2018.

Philippine Regional Office Cordillera (PROCOR) – PNP

- a. Deployed a total of 165 SAR personnel in Benguet, Ifugao, and Abra to monitor road conditions, assist in evacuation of families, and respond to landslide incidents.
- b. A total of 656 personnel placed on standby for possible SAR operations.
- c. Attended the RDRRMC Core Group meeting on 31 August 2018.

PDRRMC Abra

- a. PDRRMC EOC raised its alert status to BLUE.
- b. Raised the alert status to RED effective 26 August 2018, 1:00 PM.
- c. Monitored and sent weather updates, monitored incidents, and status of lifelines.
- d. Disseminated safety tips, precautionary measures, and public advisories through local radio stations, hotlines, and social media.
- e. Coordinated with the OCD CAR, LGUs, and MDRRMCs relative to the weather condition.

PDRRMC Kalinga

PDRRMC EOC raised its Alert Status to BLUE.

PDRRMC Benguet

- a. PDRRMC EOC raised its Alert Status to Red on 25 August 2018, 8:30 AM.
- b. Coordinated with the OCD CAR, LGUs, and MDRRMCs relative to the event.
- c. Monitored and sent weather updates, monitored incidents and status of lifelines.
- d. Disseminated safety tips, precautionary measures, and public advisories through local radio stations, hotlines, and social media.
- e. Conducted relief, assistance and clearing operations.
- f. Recommended the suspension of small-scale mining activities due to the weather condition.

CDRRM Council Baguio City

- a. CDRRMC EOC raised its alert status to BLUE on 24 August 2018, 8:00 AM.
- b. Directed all Barangay DRRM Committees to activate its respective Operations Center.

MDRRMC Atok

- a. Monitored and sent weather updates and monitored incidents and status of lifelines.
- b. Placed MDRRMC member-agencies on standby for any untoward incidents.
- c. Assisted in the conduct of evacuation activities.
- d. Activated all BDRRMCs.

MDRRMC Bakun

- a. Monitored and sent weather updates and monitored incidents and status of lifelines.
- b. Placed MDRRMC member-agencies on standby for any untoward incidents.
- c. Monitored the clearing operations of landslides with equipment ready for mobilization.
- d. Conducted clearing operations along Governor Bado Dangwa Road and vital access roads.
- e. Coordinated with DPWH and LGU Kibungan for joint road clearing efforts.
- f. Conducted relief operations.
- g. Issued public advisories relative to the event.
- h. Suspended trekking activities within the municipality.

MDRRMC Bokod

- a. Monitored and sent weather updates and monitored incidents and status of lifelines.
- b. Placed MDRRMC member-agencies on standby for any untoward incidents.
- c. Deployed road clearing and damage assessment teams.
- d. Coordinated with the tourism management offices for the suspension of tourism activities.

MDRRMC Buguias

- a. Monitored and sent weather updates and monitored incidents and status of lifelines.
- b. Placed MDRRMC member-agencies on standby for any untoward incidents.
- c. Deployed Municipal Emergency Response Teams (MERT).
- d. Conducted evacuation and relief operations.
- e. Coordinated with BDRRMCs and PDRRMC relative to the event.

MDRRMC Itogon

- a. Monitored and sent weather updates, monitored incidents and status of lifelines.
- b. MDRRMC members were on standby for any untoward incidents.
- c. Monitored the clearing operations of landslides with equipment ready for mobilization.
- d. Conducted road clearing operations.
- e. Suspended small scale mining activities.

MDRRMC Kabayan

- a. Raised its Alert status to Blue on 25 August 2018
- b. Monitored and sent weather updates and monitored incidents and status of lifelines.
- c. Issued an advisory on the suspension of tourism activities at Mt. Pulag.
- d. Conducted road clearing operations.
- e. Suspended small scale mining activities.

MDRRMC Kibungan

- a. Monitored and sent weather updates and monitored incidents and status of lifelines.

- b. Placed MDRRMC member-agencies on standby for any untoward incidents.
- c. Monitored clearing operations of landslide areas with equipment ready for mobilization.
- d. Coordinated with DPWH and LGU Kabayan for joint road clearing efforts.
- e. Conducted relief operations.
- f. Suspended trekking activities in the municipality.

MDRRMC Tuba

- a. Monitored and sent weather updates and monitored incidents and status of lifelines.
- b. Placed MDRRMC member-agencies on standby for any untoward incidents.
- c. Conducted evacuation and relief operations.
- d. Suspended tourism related activities.
- e. Disseminated road and traffic advisories.

MDRRMC Kapangan, La Trinidad, Mankayan, Sablan, Tublay

- a. Monitored and sent weather updates and monitored incidents and status lifelines.
 - b. Placed MDRRMC member-agencies on standby for any untoward incidents.
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