



Republic of the Philippines  
**Department of Education**  
REGION X – NORTHERN MINDANAO  
**SCHOOLS DIVISION OF EL SALVADOR CITY**

---

**Office of the Schools  
Division Superintendent**

DIVISION ADVISORY  
No. 032, s. 2022  
February 18, 2022

*In compliance with DepEd Order No. 8, s. 2013,  
this advisory is issued not for endorsement as per DO No. 28, s. 2001  
but for the information of DepEd Officials, Personnel / Staff, and the concerned public.  
(visit <https://depedelsalvadorcity.net>)*

**LA NIÑA ADVISORY NO. 4 FOR MINDANAO**

Attached is Regional Advisory No. 34 series 2022 informing the field of the weather advisory released by the Mindanao PAGASA Regional Services Division citing the prevailing La Nina phenomenon over the tropical pacific which is expected to be persistent from March-April-May 2022 and April-May-June 2022 based on the given climate models.

In addition, it is informed that the weather systems that will likely affect Mindanao for the period of February to July 2022 include Tropical Cyclones, Low Pressure Areas (LPAs), Intertropical Convergent Zones (ICTZ, Easterlies, Northeast Monsoon (in transition up to mid-way).

Hence, all DRMM coordinators, school heads, teachers and other concerned personnel shall take precautionary measures to mitigate the potential adverse effect of La Niña and be aware of the regular updates/advisories in monitoring these weather conditions.

Further, this office shall adhere to Equal Opportunity Principle (EOP). Hence, all actions both in the schools and in the division office proper shall be based solely on guidelines set with no discrimination on the account of age, gender, identity, sexual orientation, civil status, disability, ethnicity, or political affiliation.

For information and guidance.

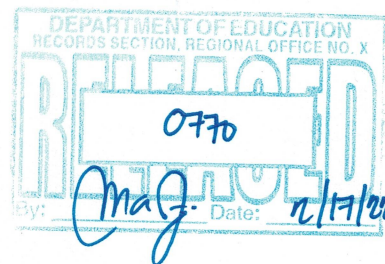
**OLGA C. ALONSABE, PhD, CESO V**  
Schools Division Superintendent



Address: Zone 3, Poblacion, El Salvador City | Tel. No. (088) 555-0475  
Website: <https://depedelsalvadorcity.net> | Email: [elsalvador.city@deped.gov.ph](mailto:elsalvador.city@deped.gov.ph)



Republic of the Philippines  
**Department of Education**  
REGION X - NORTHERN MINDANAO



Office of the Regional Director

**Regional Advisory No. 34, s. 2022**

February 16, 2022

This Advisory is issued for the information of DepEd Officials, personnel/staff, learners, and the concerned public.  
(Visit [deped10.com](http://deped10.com))

**LA NIÑA ADVISORY NO. 4 FOR MINDANAO**

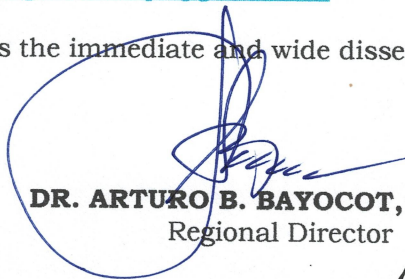
Mindanao PAGASA Regional Services Division (MPRSD) has been continuously monitoring the weather systems that affect Mindanao. Accordingly, La Niña continues to prevail over the tropical pacific. Most climate models combined with expert judgment suggest the likely persistence of La Niña until March-April-May (MAM) 2022 season (~60% chance), and the return to El Niño-Southern Oscillation (ENSO)-Neutral during April-May-June (AMJ) 2022 season.

In addition, weather systems that will likely affect Mindanao during the period of February to July 2022 include Tropical Cyclones, Low Pressure Areas (LPAs), Intertropical Convergence Zone (ICTZ), Easterlies, Northeast Monsoon (in transition up to mid-way). Yet, monthly deterministic forecasts from computer models suggest that most areas in the Region will likely receive **near-to-above-normal rainfall** from February until March 2022 and **mostly-near-normal rainfall** from April to July 2022.

Hence, with the development of these above normal rainfall conditions to be expected over some parts of the country in the coming several months, potential adverse impacts of the developing La Niña will include floods and landslides over vulnerable areas with varying magnitude. All DRRM coordinators, school heads, teachers, and other concerned personnel shall take precautionary measures to mitigate the potential adverse impacts of La Niña.

Please be aware of the regular updates and advisories to be issued, as appropriate, in monitoring these weather conditions. For more information, please coordinate with the regional disaster risk reduction and management coordinator at 0926-568-0095 or e-mail at [ricardo.dragon@deped.gov.ph](mailto:ricardo.dragon@deped.gov.ph). You may also contact Mindanao PAGASA Regional Services Division (MPRSD) at (088) 555-0485 or Climatology and Agrometeorology Division (CAD) at 8284-0800 or e-mail at [pagasa.climps@gmail.com](mailto:pagasa.climps@gmail.com).

This Office directs the immediate and wide dissemination of this Advisory.

  
**DR. ARTURO B. BAYOCOT, CESO III**  
Regional Director

ESSD/chard



DepEd Regional Office X, Zone 1, Upper Balulang, Cagayan de Oro City  
(088) 856-3932 | (088) 881-3137 | (088) 881-3031  
Department of Education Region 10  
[region10@deped.gov.ph](mailto:region10@deped.gov.ph)  
<http://deped10.com>



Issued on 08 February 2022

**LA NIÑA ADVISORY NO. 4 FOR MINDANAO**

*La Niña continues to prevail over the Tropical Pacific. Most climate models combined with expert judgement suggest the likely persistence of La Niña until March-April-May (MAM) 2022 season (~60% chance), and the return to ENSO-neutral during April-May-June (AMJ) 2022 season.<sup>1</sup>*

**Climate Assessment for January 2022**

The weather systems that affected Mindanao during the month include *Intertropical Convergence Zone (ITCZ)*, *Low Pressure Area (LPA)*, *Trough of LPA*, *Shear Line*, *Northeast Monsoon*, *Easterlies* and *localized thunderstorms*. No tropical cyclone (TC) entered the Philippine Area of Responsibility (PAR) during the month. In total, MPRSD issued twenty (20) Heavy Rainfall Warnings due to the aforementioned weather systems (Table 1). Reported incidents due to heavy rains are shown in Figure 1.

Table 1. Heavy Rainfall Warnings issued by MPRSD Local Weather Forecasting Section for January 2022.

WEATHER SYSTEM	HEAVY RAINFALL WARNINGS		
	Yellow	Orange	Red
Shear Line	4	0	0
Northeast Monsoon	3	2	0
Trough of Low Pressure Area / Wind Convergence	4	0	0
Low Pressure Area	5	2	0
<b>TOTAL</b>	<b>16</b>	<b>4</b>	<b>0</b>

In comparison to the forecasted *near normal* with patches of *above normal rainfall* in Mindanao for January 2022, actual rainfall analysis showed that *below to near normal rainfall* were received in the region (Figure 2 and Table 2).

Based on the weather observations in Mindanao (Table 2), **Surigao** station recorded the *highest total monthly rainfall*. It documented an actual rainfall amount (i.e. **557.9mm**) near its climatological normal value (i.e. **609.4mm**) for January. Furthermore, **Surigao** also recorded the *greatest 24-hour rainfall* for the month, and the *highest number of wet days*. Meanwhile, **Zamboanga** station recorded the *lowest total monthly rainfall* and the *lowest number of wet days*. More analysis showed that mostly near normal with patches of below and above normal number of wet days were observed in Mindanao for the month of January (Figure 3).

Meanwhile, **Malaybalay** and **Zamboanga** stations exceeded their previous climatological extremes in terms of maximum temperature (Table 3).

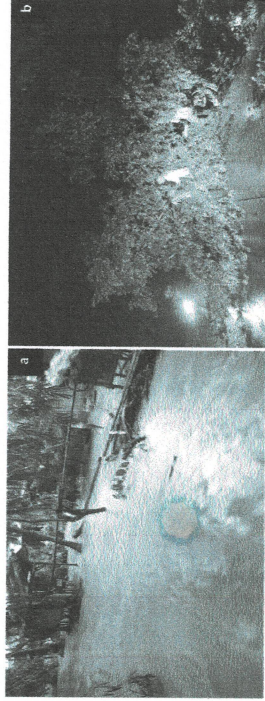


Figure 1. (a) Flooded community in Mawab, Davao de Oro on 16 January 2022 due to the Shear Line; (b) Fallen trees in Santo Tomas, Davao del Norte on 17 January 2022 caused by heavy rains brought by the Shear Line.<sup>1</sup>

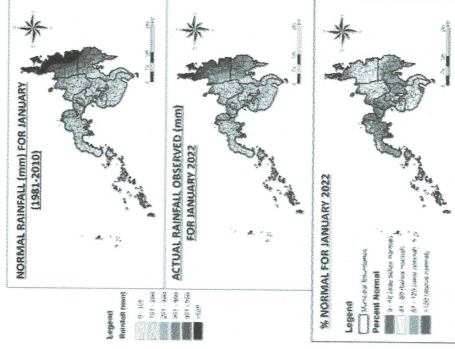


Figure 2. Actual Rainfall Observed (mm and %Normal) in Mindanao for January 2022.



Figure 3. Actual Number of Wet Days (mm and %Normal) in Mindanao for January 2022.

**RAINFALL**

STATION	Total Monthly RR, mm	NORMAL Monthly RR, mm	QUANTILE CLASSIFICATION	Greatest Daily RR, mm	Date of Greatest Daily RR	EXTREME Greatest Daily RR, mm	EXTREME Date of Greatest Daily RR	No. of wet days
Malaybalay	60.3	142.5	42.3	24.6	16-Jan-2022	140.6	14-Jan-2014	8
Bulan	227.7	318.0	71.6	80.4	24-Jan-2022	271.5	4-Jan-1985	19
Surigao	557.9	639.4	91.5	140.6	1-Jan-2022	351.8	24-Jan-1963	21
Catibato	59.7	88.4	67.5	18.2	27-Jan-2022	62.4	31-Jan-2004	8
Dipolog	56.8	129.2	74.9	35.2	13-Jan-2022	226.5	23-Jan-1984	16
Davao	50.7	140.3	64.6	40.0	13-Jan-2022	122.4	28-Jan-2000	8
Hinatyan	541.3	776.3	69.7	102.6	24-Jan-2022	374.0	10-Jan-1999	20
Zamboanga	57.1	49.7	114.9	18.4	25-Jan-2022	128.0	23-Jan-1916	5
Laguinigan	174.7	99.3	176.6	89.9	25-Jan-2022	104.4	13-Jan-2009	7
Tagur	285.6	208.4	137.1	88.1	13-Jan-2022			15
Bago Obrero	171.3	137.4	124.8	47.7	29-Jan-2022			11
Marawi	134.4	125.6	107.0	29.7	27-Jan-2022			13
Comigan	324.0	333.2	97.2	73.6	1-Jan-2022			14
CUY Sidron	83.0	141.9	58.5	37.6	16-Jan-2022			6

Red box in Table 2 indicate derived normal values.

"tracking the sky...helping the country"

Molugen, El Salvador City  
 Website: <http://manocbo.pagsa.gov.ph>

Tel. No.: (088) 555 0485  
 Mobile: +63 916 376 8017

Table 3. Monthly Temperature Assessment in Mindanao for January 2022.

STATION	MAXIMUM TEMPERATURE				MINIMUM TEMPERATURE				CUMATOLOGICAL NORMALS, deg C (Y 1981-2010)	CUMATOLOGICAL NORMALS, deg C (Y 1981-2010)
	Highest Tmax deg C	Date of Highest Tmax	EXTREME Highest Tmax, deg C	EXTREME Date of Highest Tmax	Lowest Tmin, deg C	Date Lowest Tmin	EXTREME Lowest Tmin, deg C	EXTREME Date Lowest Tmin		
Malaybalay	34.0	8-Jan-2022	34.0	23-Jan-1988	28.0	15.8	20-Jan-2022	11.7	15-Jan-1956	17.9
Bulan	34.7	29-Jan-2022	35.4	16-Jan-1998	30.2	21.2	20-Jan-2022	18.3	4-Jan-1991	23.5
Surigao	32.2	30-Jan-2022	33.7	15-Jan-1916	29.4	21.2	13-Jan-2022	18.6	2-Jan-1978	23.3
Comigao	36.6	12-Jan-2022	36.8	31-Jan-2000	32.7	21.2	3-Jan-2022	18.9	26-Jan-2014	22.9
Davao	33.2	11-Jan-2022	35.7	28-Jan-2002	30.2	22.4	7-Jan-2022	18.4	13-Jan-1971	22.8
Davao	34.7	12-Jan-2022	35.0	15-Jan-1975	30.8	22.8	13-Jan-2022	17.0	10-Jan-1912	23.3
Hinatyan	32.2	26-Jan-2022	35.3	3-Jan-2019	29.7	21.5	7-Jan-2022	17.2	21-Jan-1985	23.0
General Santos	34.6	12-Jan-2022	37.5	24-Jan-1988	32.8	22.0	11-Jan-2022	17.1	24-Jan-1985	22.5
Zamboanga	36.0	3-Jan-2022	35.8	29-Jan-2016	32.3	21.2	21-Jan-2022	15.8	21-Jan-1985	21.5
Laguinigan	35.0	30-Jan-2022	36.2	8-Jan-2002	29.5	23.0	27-Jan-2022	16.1	3-Jan-1991	21.6
Tagur	33.4	30-Jan-2022				21.5	19-Jan-2022			
Bago Obrero	34.0	12-Jan-2022				20.5	20-Jan-2022			
Marawi	29.0	9-Jan-2022				12.3	17-Jan-2022			
Comigan						22.4	1-Jan-2022			
CUY Sidron	33.3	30-Jan-2022				19.1	28-Jan-2022			

"tracking the sky...helping the country"

Molugen, El Salvador City  
 Website: <http://manocbo.pagsa.gov.ph>

Tel. No.: (088) 555 0485  
 Mobile: +63 916 376 8017

**Seasonal Climate Outlook for February to July 2022**

Weather systems that will likely affect Mindanao during the period include *Tropical Cyclones, Low Pressure Areas (LPAs), Intertropical Convergence Zone (ITCZ), Easterlies, Northeast Monsoon, Tail-End of the Frontal System (TEFS), localized thunderstorms, and Southwest Monsoon (in transition up to mid-May).*

PAGASA monthly deterministic forecasts from computer models suggest that most areas in the region will likely to receive *near to above normal rainfall from February until March 2022 (Figure 4a), and mostly near normal rainfall from April to July 2022 (Figure 4b).* In comparison to selected international climate forecasts, majority of the models suggest the likelihood of *near to above normal rainfall conditions from February to April 2022, and near normal rainfall conditions in most areas from May to July 2022, with patches of below normal rainfall during the last month of the forecast period.* These international climate forecasts also show that *near to above normal rainfall is likely for FMA and MAM seasons and near normal rainfall for AMJ and MJJ seasons.* On the other hand, official rainfall probabilistic forecasts show that there is approximately 40% to 55% chance of *above normal rainfall conditions in most areas of the region from February to April 2022, and higher probability for near normal rainfall conditions from May to July 2022.* Comparatively, most of the international climate models<sup>31</sup> and multi-model ensembles (MMEs)<sup>32, 33</sup> will show 40% to 60% probability of *above normal rainfall conditions in most areas of the region from February to April 2022.* Meanwhile, the likelihood of *near normal rainfall is highly likely in most areas in Mindanao from May to July 2022.* Model outputs also illustrate 40% to 50% likelihood of *below normal rainfall conditions in the Zamboanga Peninsula during the months of June and July 2022,* as well as the MJJ season.

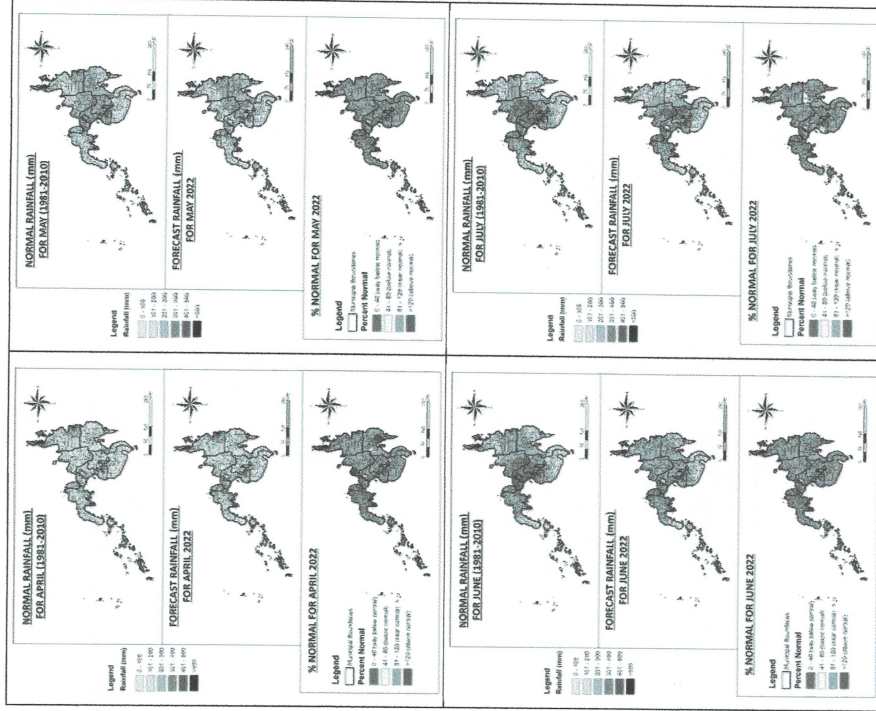


Figure 4b. Forecast Rainfall (mm and %Normal) in Mindanao for April to July 2022.

*Tracking the sky...nudging the country*

Malagan, El Salvador City  
 Website: <http://www.pagasa.dost.gov.ph>

Tel. Nos. (088) 555 0485  
 Mobile: +63 916 376 8017

**Seasonal Climate Outlook for February to March 2022**

Weather systems that will likely affect Mindanao during the period include *Tropical Cyclones, Low Pressure Areas (LPAs), Intertropical Convergence Zone (ITCZ), Easterlies, Northeast Monsoon, Tail-End of the Frontal System (TEFS), localized thunderstorms, and Southwest Monsoon (in transition up to mid-May).*

PAGASA monthly deterministic forecasts from computer models suggest that most areas in the region will likely to receive *near to above normal rainfall from February until March 2022 (Figure 4a), and mostly near normal rainfall from April to July 2022 (Figure 4b).* In comparison to selected international climate forecasts, majority of the models suggest the likelihood of *near to above normal rainfall conditions from February to April 2022, and near normal rainfall conditions in most areas from May to July 2022, with patches of below normal rainfall during the last month of the forecast period.* These international climate forecasts also show that *near to above normal rainfall is likely for FMA and MAM seasons and near normal rainfall for AMJ and MJJ seasons.* On the other hand, official rainfall probabilistic forecasts show that there is approximately 40% to 55% chance of *above normal rainfall conditions in most areas of the region from February to April 2022, and higher probability for near normal rainfall conditions from May to July 2022.* Comparatively, most of the international climate models<sup>31</sup> and multi-model ensembles (MMEs)<sup>32, 33</sup> will show 40% to 60% probability of *above normal rainfall conditions in most areas of the region from February to April 2022.* Meanwhile, the likelihood of *near normal rainfall is highly likely in most areas in Mindanao from May to July 2022.* Model outputs also illustrate 40% to 50% likelihood of *below normal rainfall conditions in the Zamboanga Peninsula during the months of June and July 2022,* as well as the MJJ season.

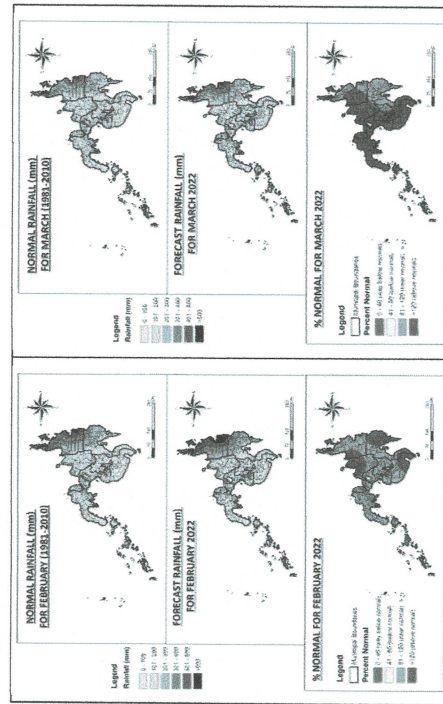


Figure 4a. Forecast Rainfall (mm and %Normal) in Mindanao for February to March 2022.

Malagan, El Salvador City  
 Website: <http://www.pagasa.dost.gov.ph>

Tel. Nos. (088) 555 0485  
 Mobile: +63 916 376 8017

**Table 4.** Observed Rainfall in Percent of Normal (Aug 2021 – Jan 2022) and Forecast Rainfall in Percent of Normal (Feb 2022 – Jul 2022).

PROVINCE	OBSERVED RAINFALL (%NORMAL)					FORECAST RAINFALL (%NORMAL)						
	AUG '21	SEP '21	OCT '21	NOV '21	DEC '21	JAN '22	FEB '22	MAR '22	APR '22	MAY '22	JUN '22	JUL '22
REGION IX (ZAMBOANGA PENINSULA)												
ZAMBOANGA DEL NORTE	77.6	106.3	106.3	106.3	88.9	81.4	91.1	127.9	109.0	102.6	101.3	93.7
ZAMBOANGA DEL SUR	80.9	105.2	110.6	106.2	90.9	97.2	97.2	133.1	109.2	101.2	102.2	91.3
ZAMBOANGA SIBUGAY	65.5	123.8	110.4	106.8	75.4	82.7	88.4	133.9	106.5	101.2	102.0	92.7
REGION X (NORTHERN MINDANAO)												
BUKIDNON	88.0	123.9	92.4	106.5	101.1	97.5	116.8	108.1	99.7	102.5	95.1	88.5
CAMIGUIN	95.8	103.7	109.1	97.4	106.1	95.5	116.7	104.9	107.5	104.9	111.5	98.8
LANAO DEL NORTE	113.5	114.5	115.3	105.3	144.1	92.2	108.3	130.2	113.4	101.7	101.3	89.2
MISAMIS OCCIDENTAL	105.1	102.2	111.2	106.1	106.1	97.2	96.8	106.1	110.5	103.9	101.5	91.6
MISAMIS ORIENTAL	105.9	118.7	105.7	106.5	74.6	78.2	107.1	127.6	114.2	105.0	103.7	97.7
REGION XI (DAVAO REGION)												
DAVAO DE ORO	93.4	112.6	115.5	102.0	92.1	87.6	104.6	115.6	111.6	101.7	99.2	91.7
DAVAO CITY	91.4	101.6	101.8	104.3	101.1	88.2	102.3	107.1	92.3	99.0	92.7	96.2
DAVAO DEL NORTE	83.1	106.6	108.7	101.9	87.6	94.6	113.1	113.8	90.3	101.7	94.6	86.2
DAVAO DEL SUR	99.4	106.0	101.5	104.5	65.5	95.2	111.3	115.9	109.1	96.1	95.2	110.4
DAVAO OCCIDENTAL	99.5	115.8	101.5	104.3	81.9	85.2	124.0	126.5	107.9	96.3	99.0	108.1
DAVAO ORIENTAL	101.6	108.0	117.3	110.8	74.4	82.3	124.3	115.7	112.1	100.6	101.4	102.5
REGION XII (SOCCSKSARGEN)												
SOUTH COTABATO	80.3	107.9	100.7	108.9	95.3	92.3	129.4	132.8	102.9	95.4	98.7	97.9
NORTH COTABATO	77.9	100.6	116.0	124.6	85.8	84.9	106.5	124.2	105.2	96.4	94.1	86.1
SARANGANI	88.9	109.7	100.6	127.5	91.7	92.5	106.6	131.8	108.1	95.9	101.0	96.2
SULTAN KUDARAT	66.0	105.7	108.8	100.0	83.3	82.6	112.5	137.9	108.8	95.2	98.2	90.9
REGION XIII (CARAGA)												
AGUSAN DEL NORTE	102.8	108.0	104.4	100.9	108.2	75.3	100.0	122.6	112.6	102.4	109.3	94.7
AGUSAN DEL SUR	121.0	107.2	102.2	106.5	101.2	71.2	118.2	127.7	105.7	102.0	101.7	87.9
DINAGAT ISLANDS	106.8	100.5	108.5	117.9	103.9	89.7	115.0	109.0	101.5	100.2	114.0	80.4
SURIGAO DEL NORTE	143.0	144.8	146.7	105.6	103.6	86.2	116.7	112.6	109.1	100.1	105.4	85.6
SURIGAO DEL SUR	151.8	161.2	161.6	102.5	101.1	79.2	117.4	118.3	105.5	100.6	107.8	88.3
BARMM												
BASILAN	56.3	118.7	106.8	119.2	78.8	85.4	108.1	142.8	107.9	101.5	103.9	95.1
MAGUINDANAO	60.5	203.9	112.2	111.8	85.9	70.7	106.3	133.6	101.9	101.2	94.2	82.7
LANAO DEL SUR	105.5	108.2	108.9	107.7	133.4	88.6	110.9	131.2	109.8	99.6	98.5	85.0
SILU	73.3	91.4	110.5	100.6	94.8	66.3	101.2	109.1	103.9	101.7	101.7	90.1
TAWI-TAWI	74.6	112.7	110.4	108.8	103.1	93.5	93.8	117.4	107.1	102.0	102.0	92.7

Legend:



"Tracking the sky...helping the country"

Molugen, El Salvador City  
 Website: <http://dismindanapagsa.dost.gov.ph>

Tel. No. (089) 505 0485  
 Mobile: +63 916 376 8017

Moreover, dry days <sup>18</sup> forecast for Mindanao is shown in Table 5. Temperature forecast on the other hand, <sup>19</sup> indicates that Mindanao will likely experience near to warmer than average surface temperatures for February to July 2022.

**Table 5.** Forecast Dry Days in Mindanao for February to July 2022 per province.

PROVINCE	FORECAST					
	FEB 2022	MAR 2022	APR 2022	MAY 2022	JUN 2022	JUL 2022
REGION IX (ZAMBOANGA PENINSULA)						
ZAMBOANGA DEL NORTE	20	22	23	21	15	19
ZAMBOANGA DEL SUR	20	21	22	21	14	18
ZAMBOANGA SIBUGAY	20	21	22	21	15	18
REGION X (NORTHERN MINDANAO)						
BUKIDNON	17	20	21	15	10	12
CAMIGUIN	18	24	25	24	17	18
LANAO DEL NORTE	19	23	23	20	13	15
MISAMIS OCCIDENTAL	19	23	23	21	14	17
MISAMIS ORIENTAL	18	23	24	21	15	16
REGION XI (DAVAO REGION)						
COMPOSTELA VALLEY DAVAO DE ORO	14	18	19	19	17	18
DAVAO CITY	20	20	20	13	13	14
DAVAO DEL NORTE	17	9	20	16	14	15
DAVAO DEL SUR	21	26	26	23	16	16
DAVAO OCCIDENTAL	14	18	19	20	22	21
DAVAO ORIENTAL	20	23	23	21	17	19
REGION XII (SOCCSKSARGEN)						
SOUTH COTABATO	19	20	20	24	11	12
NORTH COTABATO	20	25	25	24	19	21
SARANGANI	20	20	22	18	14	16
SULTAN KUDARAT	13	17	18	21	17	19
REGION XIII (CARAGA)						
AGUSAN DEL NORTE	12	15	17	17	14	17
AGUSAN DEL SUR	6	13	16	22	17	20
DINAGAT ISLANDS	6	12	15	21	17	21
SURIGAO DEL NORTE	7	12	14	18	17	20
SURIGAO DEL SUR	22	22	24	25	19	20
BASILAN	19	19	20	16	12	14
MAGUINDANAO	18	21	23	17	11	13
LANAO DEL SUR	23	22	25	26	21	23
SILU	24	22	23	26	21	23
TAWI-TAWI	24	22	23	26	21	23

<sup>18</sup> Dry day refers to a day with less than 1 mm of rain (being issued February – April).

"Tracking the sky...helping the country"

Molugen, El Salvador City  
 Website: <http://dismindanapagsa.dost.gov.ph>

Tel. No. (089) 505 0485  
 Mobile: +63 916 376 8017



With this development, MPRSD will continue to closely monitor the ongoing La Niña, which could influence development of extreme weather conditions that can adversely affect Mindanao islands. Updates shall be issued as appropriate. All concerned Government Units and institutions including non-government organizations and the public are advised to take appropriate actions concerning this current climate condition and keep monitoring for updates. For further information, please contact the Mindanao PAGASA Regional Services Division (MPRSD) at (088) 565-0485 or the Climatology and Agrometeorology Division (CAD) at (02) 8284-0600 local 906.

*ASUNAN*  
**ANTHONY JOSEPH R. LUCERO, M.Sc.**  
Weather Services Chief  
Mindanao PAGASA Regional Services Division

- <sup>1</sup> Climate Outlook (February – June 2022) during the 144<sup>th</sup> National Climate Forum by PAGASA CAD-CLIMPS on 26Jan2022.
- <sup>2</sup> Rainfall Forecast and % Normal Maps for Mindanao for February to July 2022, provided by PAGASA CAD-CLIMPS.
- <sup>3</sup> National Weather Service (NWS) Climate Prediction Center (CPC) / National Oceanic and Atmospheric Administration (NOAA). Seasonal climate forecast from CFSv2 for Feb to Oct 2022, updated 07 February 2022.
- <sup>4</sup> APCC Climate Center (APCC) Deterministic Multi-model Ensemble (MME) Forecasts, issued on 20 January 2022.
- <sup>5</sup> Climate Outlook (February – June 2022) during the 144<sup>th</sup> National Climate Forum by PAGASA CAD-CLIMPS on 26Jan2022.
- <sup>6</sup> UK Met Office. Global long-range model probability maps for FMA 2022, MAM 2022 and AMJ 2022 issued January 2022.
- <sup>7</sup> APCC Climate Center (APCC) Probabilistic Multi-model Ensemble (MME) Forecasts, issued on 20 January 2022.
- <sup>8</sup> World Meteorological Organization (WMO) Lead Centre for Long-Range Forecast (LRF) Multi-Model Ensemble (MME) for February to July 2022, issued on January 2022.
- <sup>9</sup> International Research Institute for Climate and Society. IRI Multi-Model Probability Forecast for Precipitation for FMA 2022, MAM 2022, AMJ 2022 and MJJ 2022 issued January 2022.
- <sup>10</sup> Forecast Monthly Mean Temperature Anomaly for February to July 2022, relative to 1981–2010 climatological normal, issued by PAGASA CAD-CLIMPS.

*"Tracking the sky... helping the country"*

Maligam, El Salvador City  
Website: <http://pagasa.mindanao.dost.gov.ph>

Tel. Nos. (088) 565 0485  
Mobile: +63 916 376 8017