

COUNTRY REPORT ON THE PLATFORMS ON WATER RESILIENCE AND DISASTERS

PHILIPPINES

TC KOMPASU (LOCAL NAME: MARING)

Presenter:

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STS MARING TRACK UNTIL PAR EXIT



COUNTRY REPORT ON THE PLATFORMS ON WATER RESILIENCE AND DISASTERS

PHILIPPINES

Severe Tropical Storm (STS) MARING (International Name: KOMPASU)

- 18th tropical cyclone that entered the Philippine Area of Responsibility (PAR) in 2021
- Maximum wind speed reached: 130 km/h (Severe Tropical Storm Category)
- Originated as a Low Pressure Area (LPA) east of the Philippines on 6 October 2021
- Made one (1) landfall on 11 October: Fuga Island (Northern Cagayan Province)

- 7 Oct

LPA east of the Philippines developed into a Tropical Depression moving erratically over the Philippines Sea east of Southern Luzon

- 9 Oct

Intensified further and interacted with another TC (Local name Nando) and moved west-northwestward

- 11 Oct

Decelerated while while approaching Luzon Strait and intensified into a Severe Tropical Storm (STS); Made landfall at Fuga Island at 8:10PM

- 12 Oct

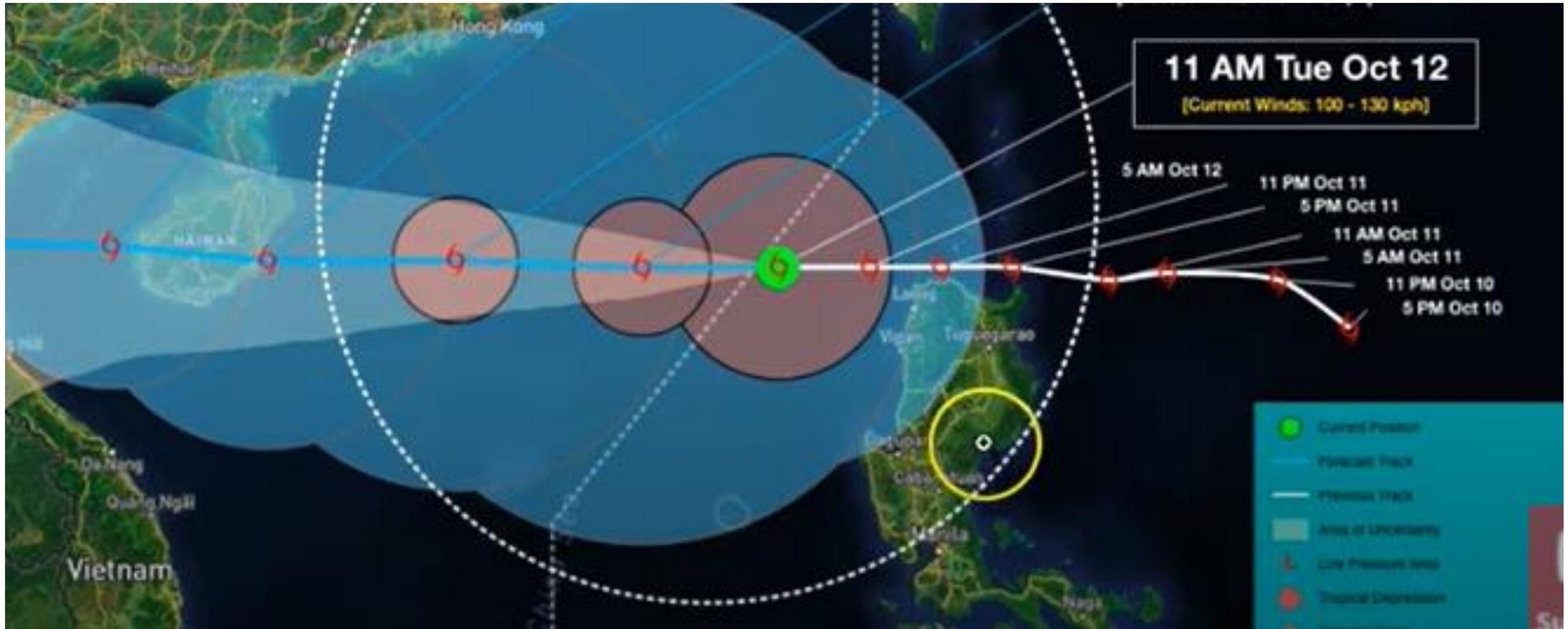
Slightly intensified while moving westward over sea north of Ilocos Norte; Exited the PAR at around 11AM.

- 13 Oct

Continued to move away from the country.

SOURCE: NDRRMC WEBSITE

Coverage Area of STS Maring

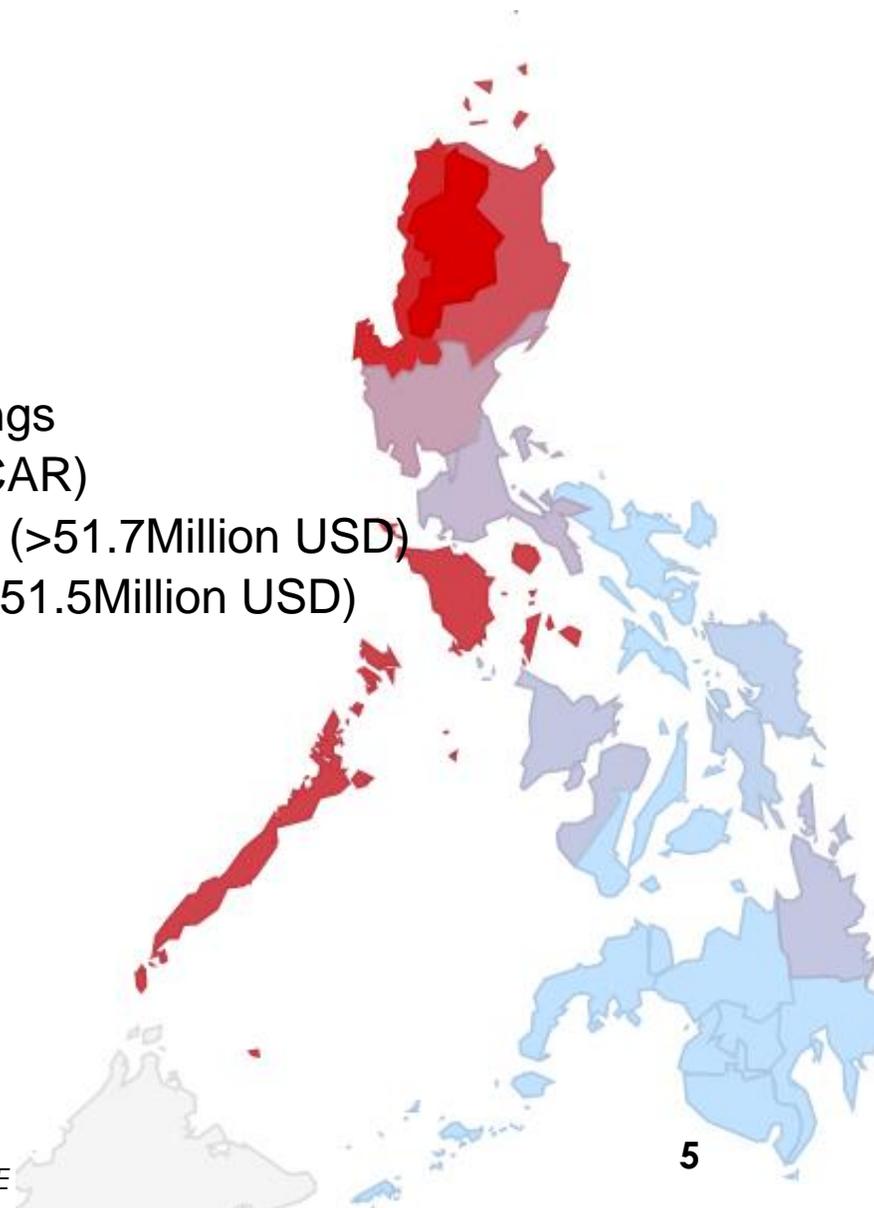


Most of the floodings occurred between evening of 11 October to the morning of 12 October.

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Severe Tropical Storm (STS) MARING (International Name: KOMPASU)

- Confirmed Casualties: 43 dead
16 missing; 5 injured
- A total of 257 areas in 6 Regions experienced flashfloods / floodings
Regions 1, 2, 3, 4B, 13, Cordillera Administrative Region (CAR)
- Estimated Cost of Damage: Infrastructure: 2.583 Billion PhP (>51.7Million USD)
Agriculture: 2.577 Billion PhP (>51.5Million USD)
- Affected: Families- 270,942
Individuals- 1,053,042 (Evacuated- 5,461)
- Damaged: 321 Road Sections
39 Bridge Sections
12,854 Houses
754 Infrastructures
- Affected: 9 Seaports (0 Airport)



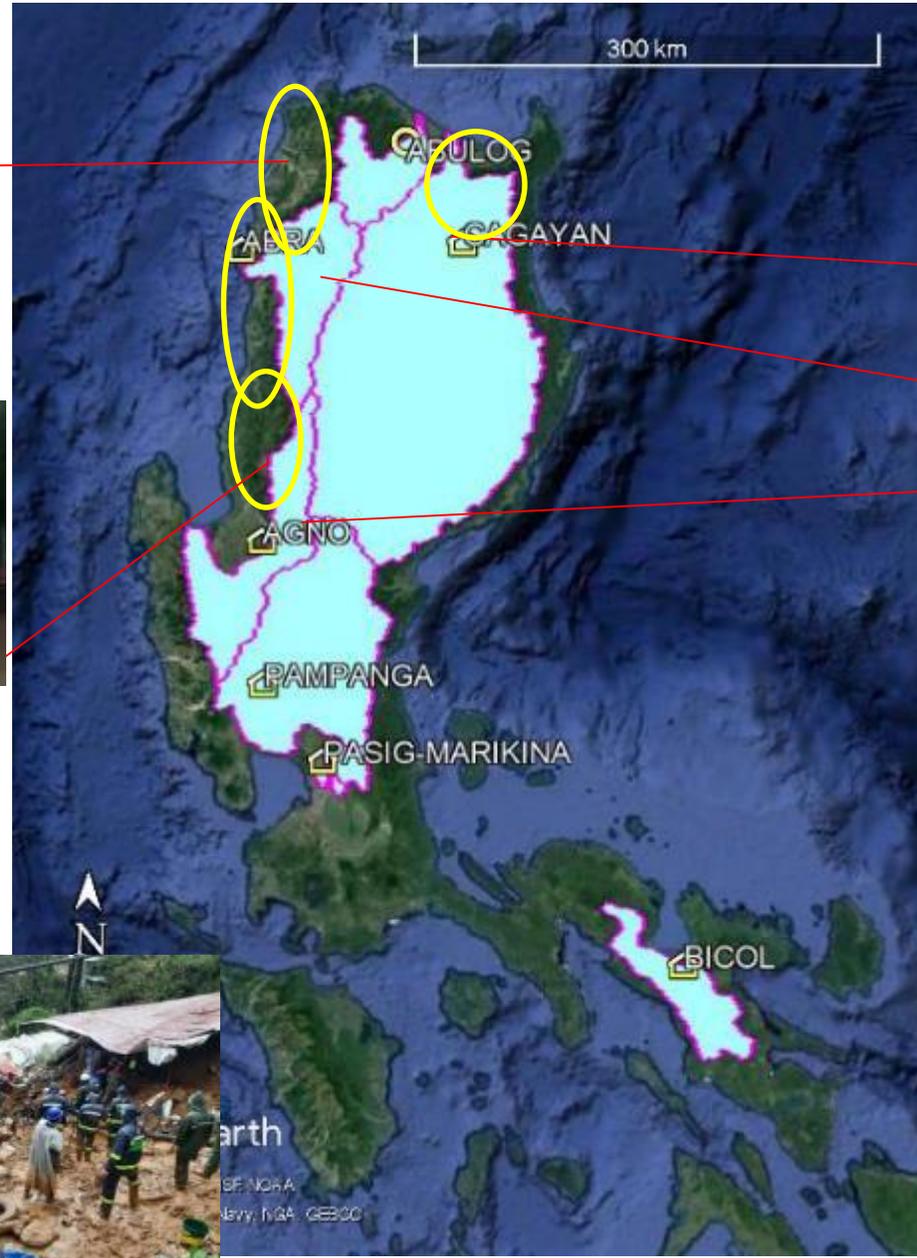
EFFECTS OF THE PASSAGE OF STS MARING:

Floodings in Principal River Basins:

Ilocos Provinces



Benguet Province



Major River Basins:

(1) CAGAYAN

(2) ABRA

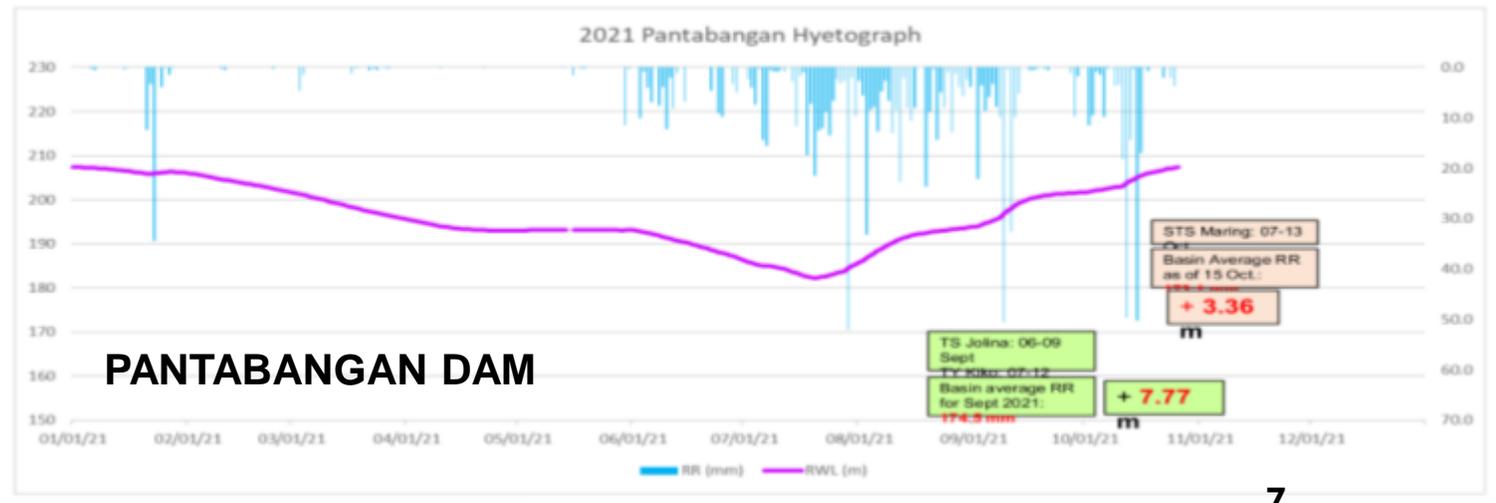
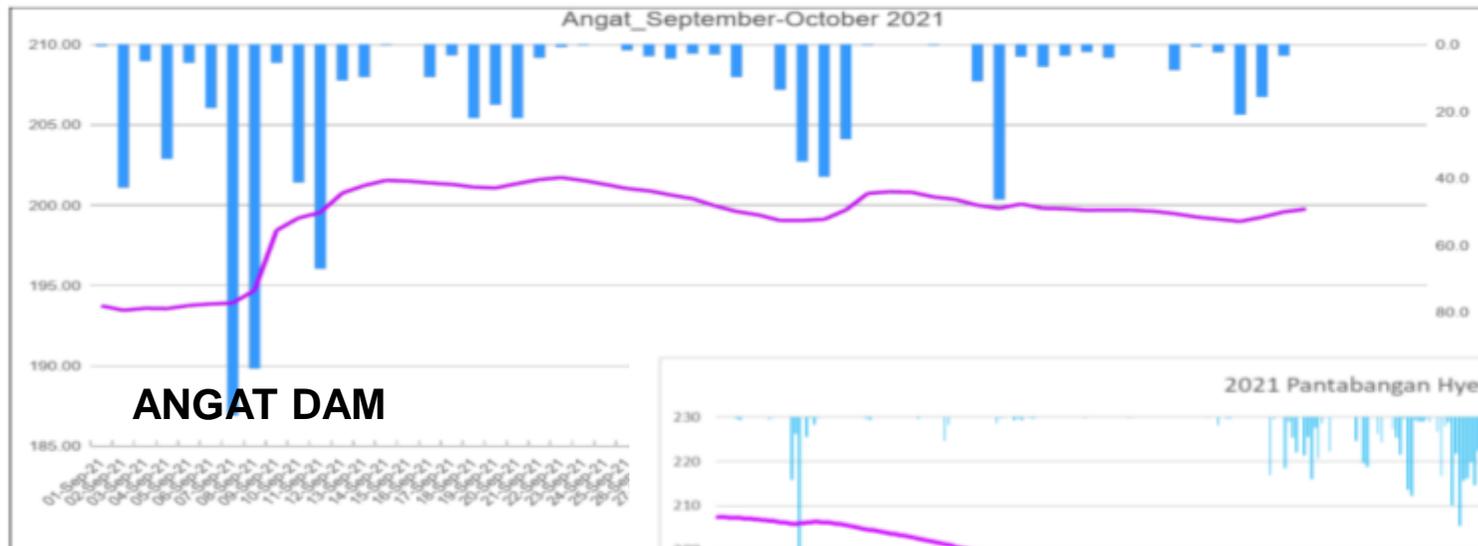
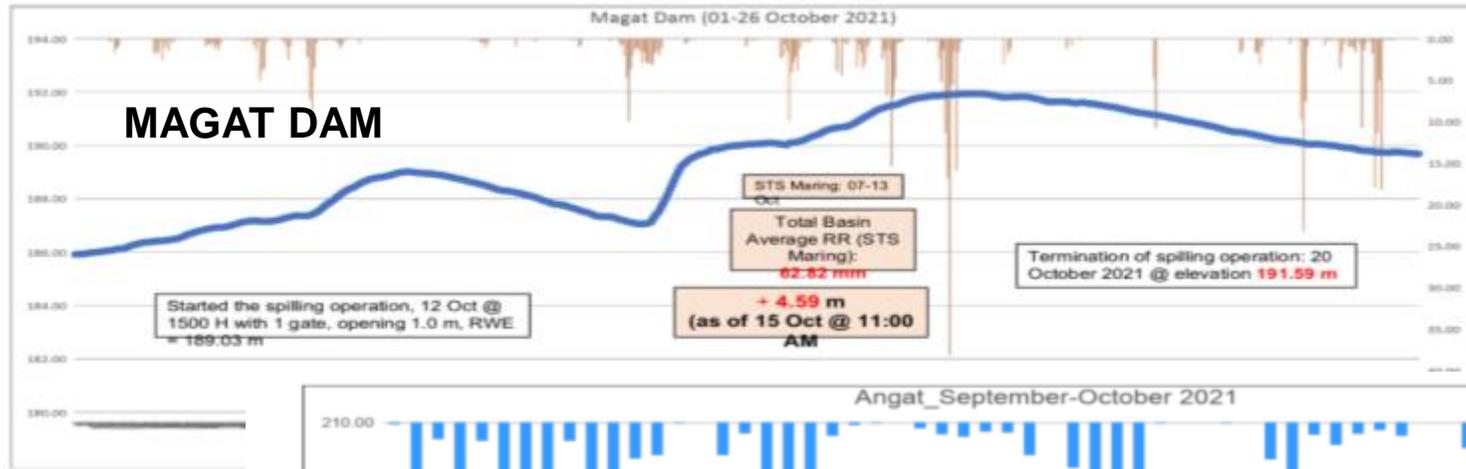
(3) AGNO



SOURCE: VARIOUS INTERNET WEBSITES

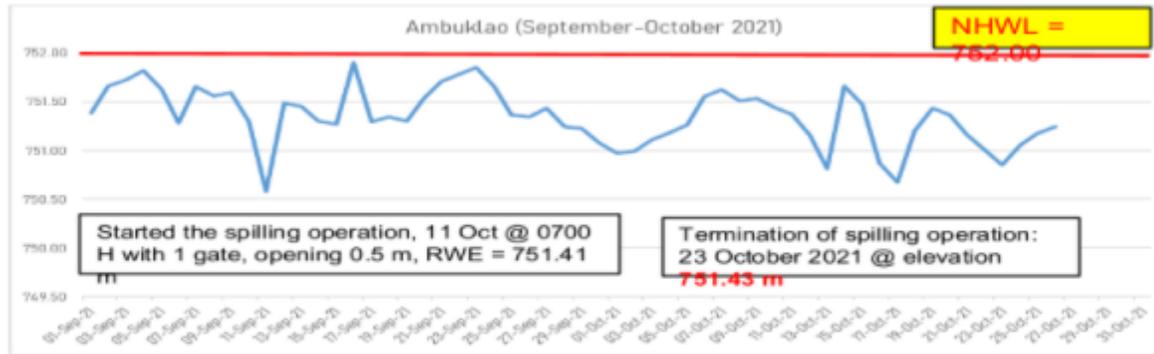
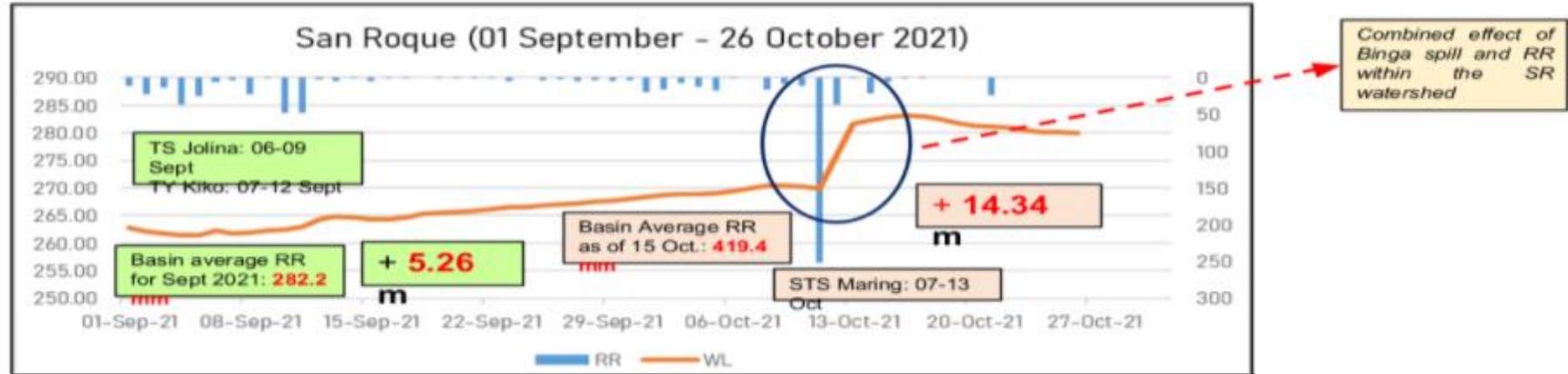


HYDROLOGICAL ASSESSMENT:



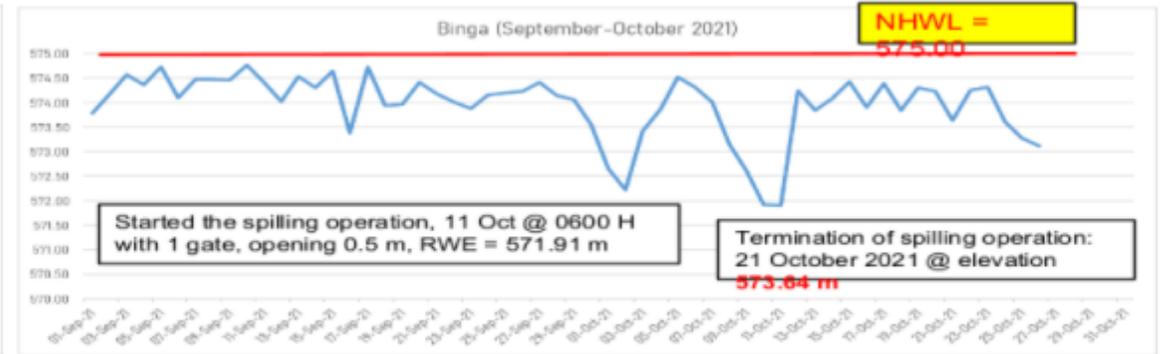
(3 SERIAL DAMS:)

SAN ROQUE DAM



Maximum gate operation with 8 gates, with 18.0 meters gate opening: 11 Oct @ 2300 H

AMBUKLAO DAM



Maximum gate operation with 6 gates, with 21.0 meters gate opening: 11 Oct @ 2300 H

BINGA DAM

Arigato gozaimasu!

Thank you!

Maraming salamat!