



June 23, 2023

MEMORANDUM

FOR : The Regional Executive Director
DENR, MIMAROPA Region

THRU : The ARD for Technical Services
DENR, MIMAROPA Region

FROM : The OIC, PENR Officer
Oriental Mindoro

SUBJECT : **SUBMISSION OF MONTHLY MONITORING REPORT OF
SCIENCE-BASED REAL-TIME WATERSHED MONITORING
INSTRUMENTS FOR THE MONTH OF JUNE 2023**

Submitted is the monthly monitoring report on the watershed monitoring instruments installed within the two major watersheds of Oriental Mindoro – the Mag-Asawang Tubig River Watershed and the Bongabong River Watershed for June 2023.

The conditions of the watershed monitoring instruments are as follows:

STATION	Status	Remarks/Recommendation
Abaton AWLS	<ul style="list-style-type: none">• Good condition and complete data	<ul style="list-style-type: none">• Reminder card on battery disconnection/reconnection was installed
MinSU GWMS	<ul style="list-style-type: none">• Good condition and complete data	<ul style="list-style-type: none">• No station problem for this month
Macatoc-AWS	<ul style="list-style-type: none">• Complete data except for soil moisture• Relative humidity still exceeds 100%• Vicinity is clean	<ul style="list-style-type: none">• Soil sensor replacement is yet to be requested• Needs technical expert on this error• Cleaned by school utility
DA-AWS	<ul style="list-style-type: none">• Power supply trouble still exist	<ul style="list-style-type: none">• The ZL6 datalogger was sent to the Regional Office for repair
Bongabong AWS	<ul style="list-style-type: none">• Data transmission problem	<ul style="list-style-type: none">• Data transmission was normalized after manual data upload

Attached is the photo-documentation and the report of the DMITS personnel.

For information and record.

ALAN LAYALLE





June 23, 2023

MEMORANDUM

FOR : The OIC, PENR Officer
Oriental Mindoro

THRU : The Chief, Technical Services Division
PENRO Oriental Mindoro

FROM : PENR DMITS Personnel

SUBJECT : **SUBMISSION OF MONTHLY MONITORING REPORT OF
SCIENCE-BASED REAL-TIME WATERSHED MONITORING
INSTRUMENTS FOR THE MONTH OF JUNE 2023**

Respectfully submitting the monthly monitoring report of the DMITS personnel on the installed watershed monitoring instruments in Mag-Asawang Tubig ang Bongabong watersheds for the month of June 2023.

The Bongabong automated weather station (Bongabong-AWS) was experiencing data transmission problem and was visited by the DMITS on May 31, 2023. The upload test using Zentra utility application failed several times that resorted to manually upload the data through the Zentra Utility application. The said station once again functioning well after the manual upload.

The DA-AWS station was replaced with battery last June 2, 2023 since battery was 0%. The datalogger was removed from the station on May 7, 2023 to be troubleshooted in the PENRO premises and was sent to the Regional Office on June 14, 2023.

The MinSU groundwater monitoring station (MinSU-GWMS) is functioning well and the site was monitored last June 16, 2023.

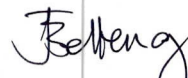
The Macatoc AWS and Abaton automated water level station (Abaton-AWLS) did not experience any trouble for this month. Site monitoring was done last June 21, 2023.

A request for relocation of the Abaton AWLS was sent to the Regional Office on June 22, 2023 due to the tidal effect in the current location. The proposed location in the Panggalaan bridge in Barangay Panggalaan, Calapan City, Oriental Mindoro.

Coordination with the Calapan City DRRM Office was done inquiring if Panggalaan bridge is available for installation of AWLS station.

Cost estimation and site validation on the fencing of the AWLS station for possible relocation was done on June 15, 2023 to adapt the bridge configuration and fencing mount.

Attached is photo-documentation for information and record.



JACKSON A. BELLEN

Database Manager IT Specialist

Photo-Documentation of June 2023 activities

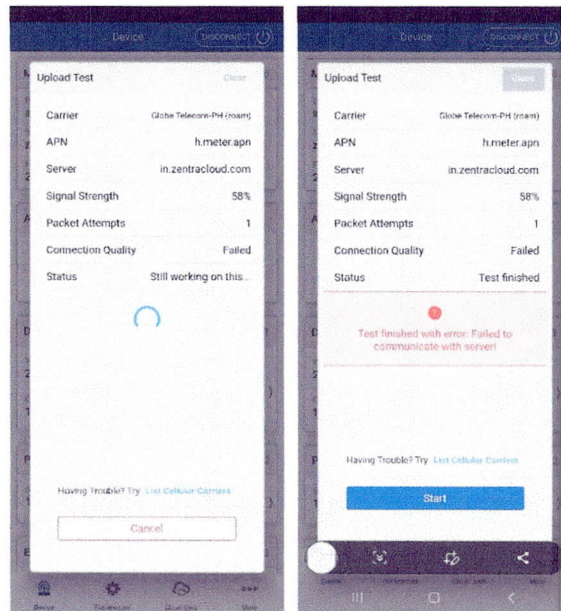


Figure 1. The Bongabong-AWS upload test using Zentra utility application on May 31, 2023.



Figure 2. The DA-AWS battery replacement on June 2, 2023.

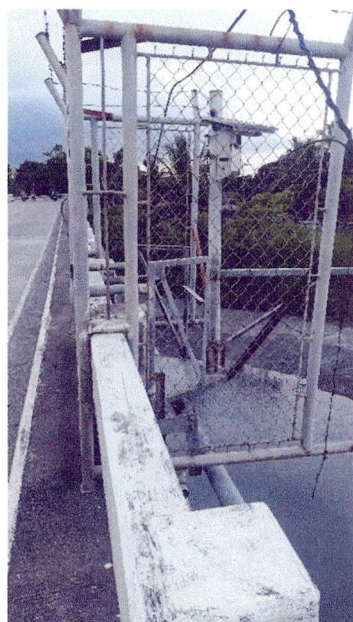


Figure 3. Sample fencing of the DOST station to be adapted if AWLS relocation will be approved.



Figure 4. MinSU-GWMS site monitoring on June 16, 2023.

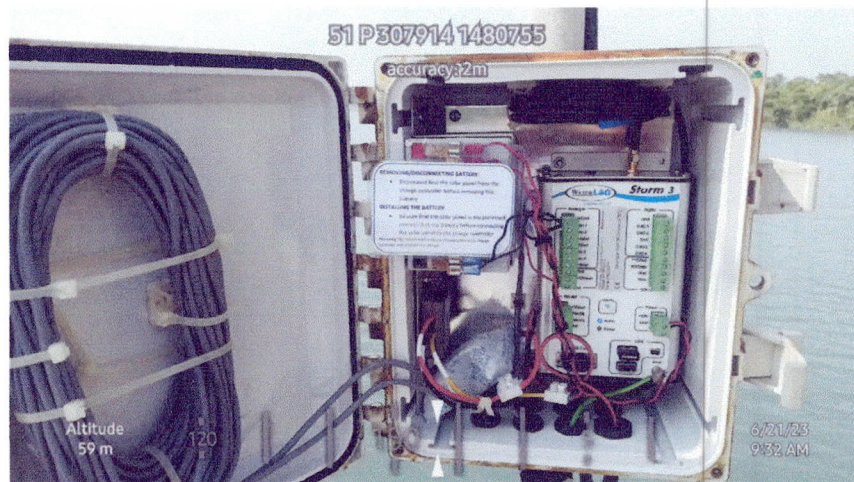


Figure 4. The Abaton-AWLS during site monitoring on June 21, 2023. It was installed with a reminder card on battery disconnection/reconnection



Figure 5. The Macatoc-AWS during site monitoring on June 21, 2023. The site is well maintained by the school utility.