

November 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
WATERSHED MONITORING INSTRUMENTS FOR THE
MONTH OF NOVEMBER 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 November 2023.

The conditions of the watershed monitoring instruments are as follows:

STATION	Status	Remarks/Recommendation
Abaton AWLS	• Good condition and complete data	• No station problem for this month
MinSU GWMS	• Good condition and complete data	• No station problem for this month
Macatoc-AWS	• No data for soil moisture • Relative humidity still exceeds 100%	• VP-4 instrument needs replacement
DA-AWS	• No data	• Datalogger needs replacement
Bongabong AWS	• No data transmitted since November 16, 2023	• In constant communication with the manufacturer (by email)

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

For information and record.


ALAN L. VALLE

PENRO Tracking No. 2311000820
TSD/CDS/dmits





November 22, 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
WATERSHED MONITORING INSTRUMENTS FOR THE MONTH
OF NOVEMBER 2023**

Respectfully submitting the monthly monitoring report on the installed watershed monitoring instruments in Mag-Asawang Tubig River and Bongabong River watersheds for the month of November 2023.

The Macatoc automated weather station (Macatoc-AWS) has no further issues. The issue on relative humidity was consulted to the manufacturer (Meter Group, Inc., USA), they asked for the label on the cable of the instrument to determine the manufacturing date since the sensor reading drifted in time. They further told the undersigned that the instrument cannot be calibrated anymore due to the change in their calibration routine. They further suggest replacing the instrument with its successor, the ATMOS 14. The station was monitored and maintained last October 31, 2023.

The MinSU groundwater monitoring station (MinSU-GWMS) has complete data. No monitored problem in this station for this month. The station was monitored and maintained on November 16, 2023.

The Bongabong automated weather station (Bongabong-AWS) experienced data transmission problem since November 16, 2023. The issue was reported to the manufacturer immediately, they suggested sending a bug report using the PC version of Zentra Utility. The last option they offered was by sending the data logger to them for thorough checking. Site monitoring and maintenance of this station was on November 6, 2023, before the data transmission problem occurred.

The Abaton automated water level station (Abaton-AWLS) has complete data for this month. No problem reported in the Hydrosphere cloud. The site was monitored on November 21, 2023. It was observed that some label in the logger enclosure started peeling off and cracks in the enclosure gasket seal are present. The rubber seal should be replaced soon to avoid further problems.

The DA automated weather station (DA-AWS) still has no data logger installed.

The DMITS personnel monitored the cloud repositories (Zentra and Hydrsphere clouds) daily except during field days. Local database in spreadsheet format was also updated in a weekly basis and stored in the Google drive for remote access. The said database is shared with the CDD Office.

Attached is the photo-documentation for information and record.


JACKSON A. BELLEN
Database Manager IT Specialist

Noted by:

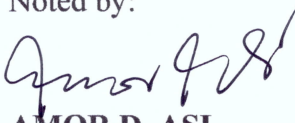

AMOR D. ASI
SVEMS/CDS Chief

Photo-Documentation of November 2023 activities



Figure 1. Site monitoring and maintenance of Macatoc-AWS on October 31, 2023.



Figure 2. Site monitoring and maintenance of Bongabong-AWS on November 9, 2023..

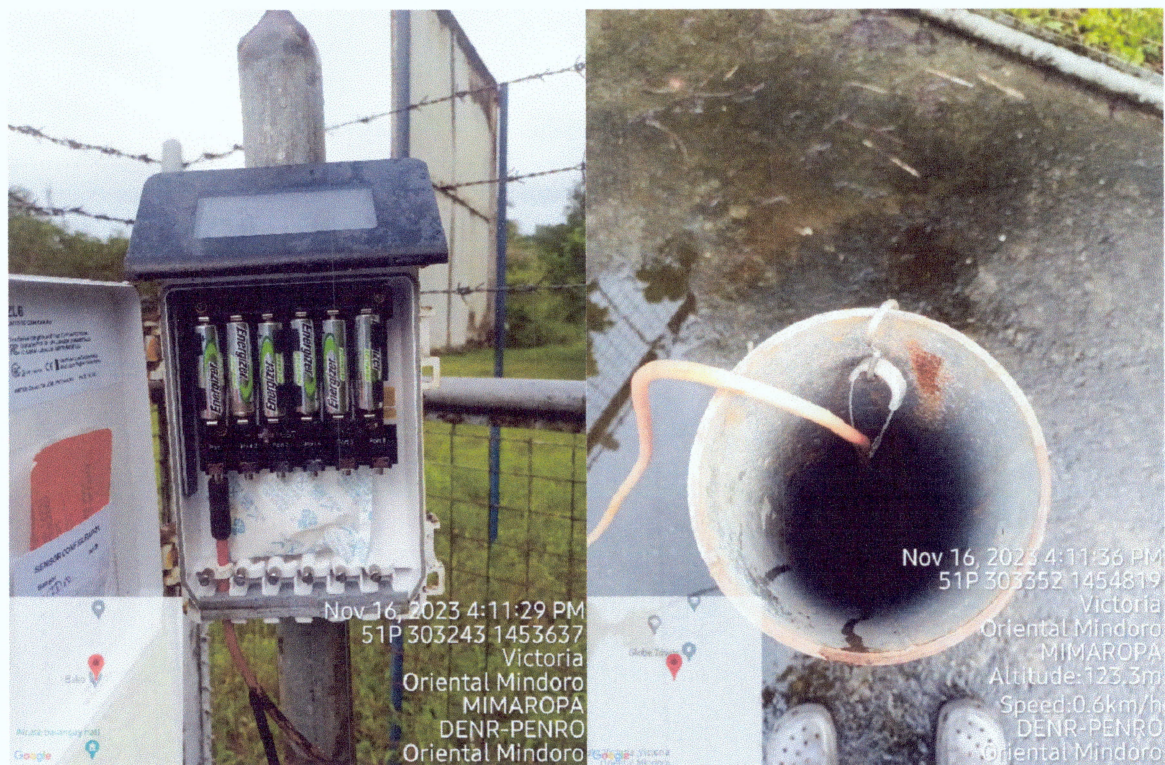


Figure 3. Site monitoring and maintenance of MinSU-GWMS on November 16, 2023.

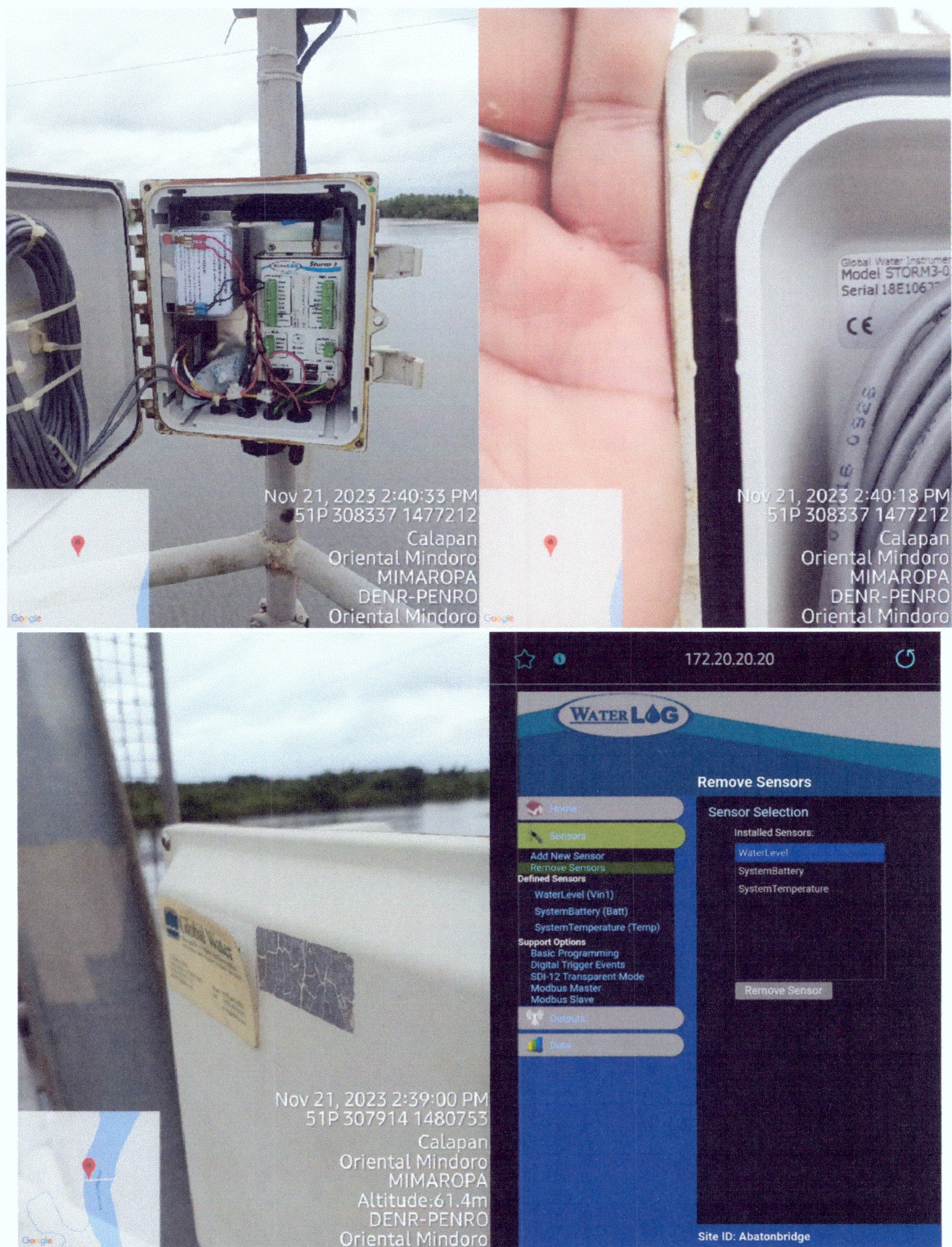


Figure 4. Site monitoring of Abaton-AWLS on November 21, 2023.