



## MEMORANDUM

FOR : **The Regional Executive Director**  
DENR MIMAROPA Region

THRU : **The PENR Officer**  
Oriental Mindoro

**The CENR Officer**  
Socorro

FROM : The Regional Director  
EMB MIMAROPA Region

SUBJECT : **RESULTS OF ANALYSIS FOR ALAG RIVER WATERSHED AND  
TUNGLOY LAKE IN ORIENTAL MINDORO**

DATE : 07 September 2023

Respectfully provided is a copy of the results of laboratory analysis for the two monitored waterbodies, namely Alag River and Tungloy Lake in Oriental Mindoro.

Please be advised that Alag River underwent classification during CY 2021 with the following proposed classification: Class B - Manganngan II and Sta Rosa II and Class C – Alag, Alag Bridge, Sta. Cruz, Malapad, Lumang-Bayan, River Delta.

Hereunder is the consolidated data for every waterbody monitored, to wit:

| <b>ALAG RIVER WATERSHED</b> |               |              |              |                  |               |
|-----------------------------|---------------|--------------|--------------|------------------|---------------|
| Date Sampled: 23 May 2023   |               |              |              |                  |               |
| Parameter                   | Result        |              |              |                  |               |
|                             | Brgy. Malapad | Brgy. Tiboy  | Brgy. Ariguy | Brgy. Canubing I | Brgy. Metolza |
| Latitude                    | 13.388702 N   | 13.378852 N  | 13.368137 N  | 13.320815 N      | 13.268378 N   |
| Longitude                   | 121.107892 E  | 121.023472 E | 120.964155 E | 121.108413 E     | 121.081973 E  |
| BOD, mg/L                   | 1             | 0            | 1            | 1                | 0             |
| Color, TCU                  | <5            | 10           | <5           | <5               | <5            |
| Fecal Coliform, MPN/100mL   | 1,600         | 920          | 350          | 49               | 33            |
| Nitrates, mg/L              | <1            | <1           | <1           | <1               | <1            |
| pH (Laboratory @25°C        | 7.50          | 7.94         | 8.24         | 7.47             | 8.21          |

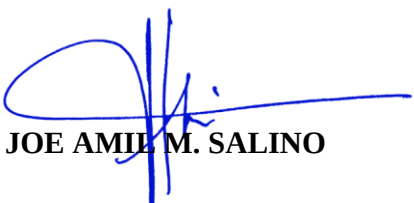


|                                     |       |       |       |       |       |
|-------------------------------------|-------|-------|-------|-------|-------|
| <b>Dissolved Oxygen, mg/l</b>       | 5.60  | 7.20  | 6.90  | 6.00  | 7.20  |
| <b>Phosphate, mg/L</b>              | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 |
| <b>Total Suspended Solids, mg/L</b> | 7     | <2    | <2    | 4     | <2    |
| <b>Chloride, mg/L</b>               | 4.92  | 4.40  | 3.36  | 3.62  | 3.62  |

| <b>TUNGLOY LAKE</b>                 |                           |                           |                           |                                |                                |                                |
|-------------------------------------|---------------------------|---------------------------|---------------------------|--------------------------------|--------------------------------|--------------------------------|
| Date Sampled: 17 May 2023           |                           |                           |                           |                                |                                |                                |
| <b>Parameter</b>                    | <b>Result</b>             |                           |                           |                                |                                |                                |
|                                     | <b>Pamuisan Station 1</b> | <b>Pamuisan Station 2</b> | <b>Pamuisan Station 3</b> | <b>San Cristobal Station 1</b> | <b>San Cristobal Station 2</b> | <b>San Cristobal Station 3</b> |
| <i>Latitude</i>                     | <i>13.1141898 N</i>       | <i>13.1150018 N</i>       | <i>13.11457 N</i>         | <i>13.11434 N</i>              | <i>13.11387 N</i>              | <i>13.11372 N</i>              |
| <i>Longitude</i>                    | <i>121.2351103 E</i>      | <i>121.2346452 E</i>      | <i>121.23578 E</i>        | <i>121.23579 E</i>             | <i>121.23473 E</i>             | <i>121.23526 E</i>             |
| <b>BOD, mg/L</b>                    | 2                         | 2                         | 2                         | 2                              | 2                              | 5                              |
| <b>Color, TCU</b>                   | 10                        | 5                         | 10                        | 15                             | 10                             | 15                             |
| <b>Fecal Coliform, MPN/100 mL</b>   | 79                        | 79                        | 110                       | 350                            | 240                            | 130                            |
| <b>Nitrates, mg/L</b>               | <1                        | <1                        | <1                        | <1                             | <1                             | <1                             |
| <b>Phosphate, mg/L</b>              | <0.02                     | <0.02                     | <0.02                     | <0.02                          | <0.02                          | <0.02                          |
| <b>Total Suspended Solids, mg/L</b> | <2                        | <2                        | <2                        | <2                             | <2                             | <2                             |
| <b>Chloride, mg/L</b>               | 5.43                      | 8.02                      | 6.47                      | 5.95                           | 6.47                           | 8.02                           |

For reference, also enclosed are the official laboratory results of the two waterbodies and the classification report of Alag-Malaylay River. For queries, you may contact us through [embmimaropa@emb.gov.ph](mailto:embmimaropa@emb.gov.ph) or you may contact the PEMU Oriental Mindoro, through the Chief, PEMO Ederlita U. Labre.

For the Regional Executive Director's information and reference.

  
JOE AMIL M. SALINO