



**MEMORANDUM**

**TO :** **The Regional Executive Director**  
All regions (except CAR)

**The Directors/ Executive Directors**  
Biodiversity Management Bureau  
Forest Management Bureau  
Mines and Geosciences Bureau  
Environmental Management Bureau  
Ecosystems and Research Development Bureau  
Land Management Bureau  
Foreign Assisted and Special Projects Service  
Manila Bay Coordinating Office  
River Basin Coordinating Office  
Palawan Council for Sustainable Development

**The Administrator**  
National Mapping and Resource Information Authority

**FROM :** **The Undersecretary**  
Integrated and Environmental Science

**SUBJECT :** **END OF MANGROVE MAP VALIDATION INITIATIVE**

**DATE :** **JULY 08, 2024**

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This is in relation to the Mangrove Map Validation Initiative launched on February 28, 2024, we are pleased to announce its completion on June 30, 2024.

Thanks to your significant contributions in validating the presence and absence of mangroves via the ODK application and or submitting aerial images or shapefiles, we have currently surpassed our scientific target of 30,000 points by 50%.

The initial results are as follows:

- ODK App: Through the use of the ODK Collect application for 4 months, we achieved 9,500 points. 67% of the total ODK points were contributed by DENR and 33% by citizen science efforts.
- Aerial/geospatial data: Drone images submitted by both DENR and non DENR groups are currently under analysis and not integrated in the Mangrove Tracker Dashboard (Only for ODK app). As of July 8, the analysis and conversion of certain drone images has yielded 35, 912 points.

- Total: Initially, the total data entry points (ODK and drone) amounted to 45,412 with ongoing increases expected as drone images continue to be processed.

Enclosed is a summary of the results revealing the top contributors of the ODK and all contributors who submitted data by email for your reference. For the next initiative, we strongly encourage all concerned DENR bureaus, regional offices, field offices, and attached agencies to specify their affiliation name and or username in the ODK app. If submitting data via email, please include your affiliation within DENR in the email. This will ensure our office can provide appropriate reference and recognition to the contributor.

In light of the successful completion of the initiative, we would like to express our gratitude for your active participation and support. We appreciate the time, budget and manpower dedicated to this effort to map the mangrove habitats.

For further clarifications or inquiries, you may contact Ms. Agatha Bedi at (02) 8920 4498 and/or VOIP 1202 or through email at [geospatial@denr.gov.ph](mailto:geospatial@denr.gov.ph).

  
CARLOS PRIMO C. DAVID

**INITIAL RESULTS  
MANGROVE MAP VALIDATION  
08 JULY 2024**

**I. CONTRIBUTORS USING ODK APP**

<b>Affiliation</b>	<b>ODK points</b>	<b>Proportion</b>
Academe	1242	13%
DENR and field offices	5774	61%
DENR Palawan Council for Sustainability Development (PCSD)	582	6%
LGU	753	8%
NGA	7	0%
NGO	908	10%
PO	157	2%
Others	86	1%
<b>Total</b>	<b>9509</b>	<b>100%</b>

**Top 5 Universities (with financial sponsors)**

- 1 Mindoro State University x Wetlands International Ph
- 2 Mindanao State University-Marawi x Hijo Resources Corporation
- 3 Mindanao State University-Buug x Hijo Resources Corporation.
- 4 Silliman University x Gforest
- 5 University of Southern Mindanao x Hijo Resources Corporation

**Top 5 Local Government Unit**

- 1 LGU Tagum, Youth Climate and Disaster Actors (YCADA)
- 2 LGU San Isidro, Pinabacdao, Samar
- 3 City ENRD of Butuan, Agusan del Norte
- 4 LGU Buenavista, Agusan del Norte
- 5 LGU Kalibo, Aklan

**Top 3 Non-Governmental Organizations**

- 1 Zoological Society of London Ph
- 2 Wetlands International Ph
- 3 Oceanus Conservation

**Top 5 DENR - Regions**

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|---|---|
| <ol style="list-style-type: none"> <li>1 Region XIII (Caraga)</li> <li>2 Region VIII (Eastern Visayas)</li> </ol> | <ol style="list-style-type: none"> <li>3 Region 5 (Bicol)</li> <li>4 Region IV B (MIMAROPA)</li> <li>5 Region VI (Western Visayas)</li> </ol> |
|---|---|

**Top 5 DENR- Provinces**

1 Agusan del Norte

2 Palawan (#1 if PCSD included)

3 Southern Leyte

4 Catanduanes

5 Western Samar

**Top 2 Peoples Organizations**

1 Undeclared, Tarangnan, Samar

2 San Isidro Marketing Cooperative, San Isidro, Samar

**II. NON ODK DATA (shapefiles, orthomosaic, raw data)**

<b>Regions</b>	<b>Declared Area</b>	<b>Affiliation</b>
Region 1	Western Pangasinan	UNDECLARED
Region 1	Paguludan	DENR-REGION
Region 1	Region 1	DENR-REGION
Region 2	Region 2	DENR-CENRO
Region 2	Cagayan	DENR-REGION
Region 2	Isabela	DENR-REGION
Region 4B	Region 4- B	NGO- CONSERVATION INTERNATIONAL
Region 4B	Palawan	ACADEME-WPU
Region 4B	Mindoro	ACADEME-MINDORO STATE UNIVERSITY
Region 4B	Occidental Mindoro	DENR
Region 5	Legazpi	DENR-PENRO
Region 5	Guinobatan, Albay	DENR-CENRO
Region 5	Region 5	NGO-WORLD WIDE FOUNDATION
Region 5	Sipocot, Camarines Sur	DENR- CENRO
Region 5	Albay	DENR-PENRO
Region 6	Hamtic, Antique	DENR- CENRO
Region 7	Region 7	DENR- REGION
Region 8	San Juan Leyte	DENR
Region 8	Samar	NGO-GERRY ROXAS FOUNDATION
Region 10	Ozamiz, Misamis Occidental	DENR- CENRO
Region 10	Oroquieta City	DENR- CENRO
Region 10	Other Barangays	DENR-CENRO
Region 11	Paligue Hagonoy Davao del Sur	UNDECLARED
Region 11	Zone IV Sta Cruz Davao del Sur	UNDECLARED
Region 11	Brgy. Bato, Sta. Cruz, DDS	UNDECLARED
Region 11	Brgy. Tuban, Sta. Cruz, DDS	UNDECLARED
NCR, Region 3, Region 4A	MANILA BAY	DENR-MBCO