



Republic of the Philippines  
Department of Environment and Natural Resources

**FOREST MANAGEMENT BUREAU**

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**MEMORANDUM**

FOR : The Regional Executive Directors  
DENR NCR, CAR, Regions 1-13

FROM : The Assistant Secretary for Policy, Planning, and Foreign Assisted  
and Special Projects, and Director, in concurrent capacity

SUBJECT : **EDITED AND PROCESSED RIDGE TO REEF  
WATERSHED BOUNDARIES OF PHILIPPINE  
LIDAR/IFSAR**

DATE : **JUN 24 2021**

This pertains to FMB Memorandum dated 19 February 2019 regarding the use of the ridge to reef watershed boundaries of Phil-LIDAR-IFSAR for the Watershed Characterization cum Vulnerability Assessment and Integrated Watershed Management Plan.

Please be informed that the above-mentioned watershed boundaries of Phil-LIDAR-IFSAR were subjected to topology and smoothing process by this Office resulting to changes on the areas/boundaries of the said Phil-LIDAR-IFSAR ridge to reef boundaries.

In this regard, we are pleased to provide you electronic copies of the updated shapefiles of 131 Priority Critical Watersheds supporting National Irrigation Systems (NIS) for your information and ready reference. These can be accessed or downloaded through the link: <https://bit.ly/2TBnIYP>.

Further, please be apprised that the boundaries and the indicated names of the priority critical watersheds supporting NIS in the attribute table of the shapefiles are temporary as same will be subjected for validation and confirmation by the respective DENR field offices in accordance with the guidelines to be provided by this Office.

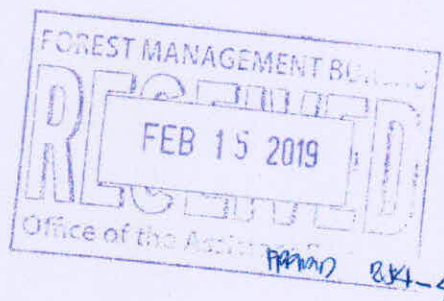
**FOR YOUR INFORMATION AND GUIDANCE, PLEASE.**

  
**MARCIAL C. AMARO, JR., CESO III**

*Copy furnished:  
The Undersecretary for Field Operations and Environment*

*The Director  
Ecosystems Research and Development Bureau*

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**MEMORANDUM**

FOR : All Regional Executive Directors  
DENR CAR, NCR, Regions 1-13

FROM : The Director

SUBJECT : **Phil-LIDAR AND IFSAR RIDGE-TO-REEF DELINEATED  
BOUNDARIES OF ALL WATERSHEDS IN THE PHILIPPINES**

DATE : FEB 19 2019

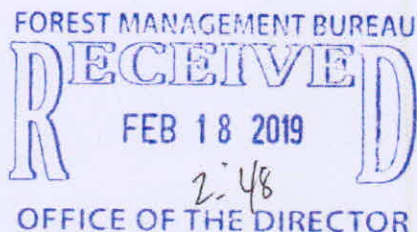
Respectfully forwarded herein are the shapefiles of the ridge-to-reef delineated boundaries of all watersheds in the country in shapefile format. The said ridge-to-reef delineated boundaries of watersheds were delineated by the University of the Philippines Diliman using the Light Detection and Ranging (Phil-LIDAR) and Interferometric Synthetic Aperture Radar (IFSAR) data.

Please be informed that as provided for under DENR Administrative Order No. 1999-01, the Watershed and Ecosystems Planning and Management Framework (WEM) should be adopted by all DENR Office as the national framework for the sustainable management of the country's natural resources.

In this regard, may we recommend that the above-mentioned shapefiles be used by your Office in the preparation of all Characterization cum Vulnerability Assessment Reports (CR & VA) and Integrated Watershed Management Plans (IWMP) of all the watersheds under your administrative jurisdiction.

Attached herein are the electronic copies of DAO 1999-01 and the ridge-to-reef boundaries of watersheds delineated using the Light Detection and Ranging (Phil-LIDAR) and Interferometric Synthetic Aperture Radar (IFSAR) data, for your ready reference.

FOR YOUR INFORMATION AND COMPLIANCE.



NONITO M. TAMAYO, CESO IV

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