



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, and Regions 1-13

ATTENTION : The Regional GIS Focal  
The Chief, Regional Planning Management Division  
The Chief, Surveys and Mapping Division

FROM : The OIC Assistant Secretary for Field Operations - Western Mindanao  
and Director, in concurrent capacity

SUBJECT : **REVIEW OF THE 11 REGIONAL FORESTRY SPATIAL DATASETS (FSD) COMMITTED TO THE DENR CONTROL MAP AS OF DECEMBER 2023**

ATTACHED DOCUMENT/S : *1. Forestry Spatial Datasets (FSD) committed to the DENR Control Map*  
*2. Review of regional FSD as of December 2023*  
*3. Regional data included in the national FSD as of December 2023*  
*4. List of 21 Remaining Forestry Spatial Datasets*

DATE : **DEC 18 2023**



This has reference to the resubmitted regional Forestry Spatial Datasets (FSD) committed to the DENR Control Map (Attachment 1) as of December 2023.

The review hereunder was administered on the regional FSD submitted to this Office **on or before 4 December 2023** through email or via Google Drive (see Attachment 1). Please be informed that all regions have successfully resubmitted their respective FSD in accordance with the initial review of this Office which was disseminated through a Memorandum addressed to the Regional Executive Directors (REDs) dated 19 September 2023. **Of these, fifteen regions, except MIMAROPA, have resubmitted complete datasets.**

**Fourteen out of the sixteen regions have been appended to the national FSD** (as shown in Attachment 3). The remaining regions, namely Regions 2 and CALABARZON, have not been included in the national geodatabase because the respective geodatabases of these regions do not follow the inherent syntax of the FSD geodatabase. Hence, further cleansing is necessary for these datasets to be included in the national FSD.

Nevertheless, the national FSD as of December 2023 will be endorsed to the Geospatial Database Office in its entirety, notwithstanding the issues mentioned below. In addition, the same will be accessible through the DENR Control Map on 15 December 2023. However, it is advised that all regions resubmit cleansed datasets (i.e., with complete attribution and reconciled overlaps), noting the remarks presented herein, along with the remaining **21 FSD** (see Attachment 4) to this Office in their next submission on or before 30 July 2024.

Furthermore, in the instance that there are certain issues (e.g., overlaps) that will require time to address and resolve, this Office would like to request your good Office to populate the most important fields in tenure agreement datasets, namely **tenure number, status, and name of People's Organization**.

Please be reminded that as agreed upon during the National Workshop on the Integration and Standardization of FSD last March 2023,

*"The FSD submitted by the CENROs and Implementing PENROs shall be reviewed by the PENROs; and the FSD submitted by the PENROs and Implementing PENROs shall be reviewed by the ROs. Final FSD shall be submitted by the ROs to the FMB, as the Office responsible for the management of all FSD."*

In this regard, the consolidation and submission of all regional FSD should be accomplished by the Regional GIS Focal, who is assigned in the Planning and Management Division and/or Surveys and Mapping Division. Further, all concerns from this Office regarding the regional FSD shall only be directly communicated to and from the respective regional GIS focal.

FOR INFORMATION AND COMPLIANCE, PLEASE.

  
ARLEIGH J. ADORABLE, CESO III

*Copy furnished:*

*The Undersecretary for Integrated Environmental Science  
The Geospatial Database Office*

**Attachment 1. Forestry Spatial Datasets (FSD) committed to the DENR Control Map**

No.	Forestry Spatial Dataset	Description
1	Potential Investment Areas (PIA)	Extent (in area) of delineated potential investment areas
2	Production and Protection Forest (PPF)	Extent of forest area delineated as production forest or protection forest
3	DENR Field Offices (DENR_FO)	Location of DENR Regional, PENR, CENR Offices and Sub-Offices
4	DENR Forest Products Monitoring Station (DENR_FPMS)	Location of existing forest products monitoring stations/ checkpoints
5	DENR Forest Ranger Stations/ Lookout Towers (DENR_FRS)	Location of established forest ranger stations/lookout towers
6	Established Mechanized and Modernized Forest Nurseries (DENR_MMFN)	Area extent of established mechanized nurseries for NGP with approximate seedling capacity
7	Critical Watersheds (WS_CRITICAL)	Area extent of critical watersheds of the country
8	Proclaimed Watersheds (WS_PROC)	Area extent of proclaimed watersheds
9	National Greening Program and Expanded NGP (NGP)	Area extent of plantations established under the National Greening Program
10	<p>Tenurial Instruments</p> <p>(TEN_CBFMA)</p> <p>(TEN_CFSA)</p> <p>(TEN_FLA<sub>g</sub>)</p> <p>(TEN_FLGMA)</p> <p>(TEN_FLA<sub>g</sub>T)</p> <p>(TEN_IFMA)</p> <p>(TEN_UA<sub>f</sub>P)</p> <p>(TEN_SIFMA)</p> <p>(TEN_SLUP)</p> <p>(TEN_GSUP)</p> <p>(TEN_TFLA)</p>	<p>Extent in the area of management of a person, company or people's organization as described in the agreement/ contract. This includes the following:</p> <ol style="list-style-type: none"> <li>Community-based Forest Management Agreement (CBFMA);</li> <li>Community Forest Stewardship Agreement (CFSA);</li> <li>Forest Land Use Agreement (FLA<sub>g</sub>, SPLULA, OLPLA);</li> <li>Forest Land Grazing Management Agreement (FLGMA, FLGLA);</li> <li>Forest Land Use Agreement for Tourism Purposes (FLA<sub>g</sub>T);</li> <li>Integrated Forest Management Agreement (IFMA);</li> <li>Upland Agroforestry Program (UA<sub>f</sub>P);</li> <li>Socialized Industrial Forest Management Agreement (SIFMA);</li> <li>Special Land Use Permit (SLUP);</li> <li>Gratuitous Special Land Use Permit (GSUP); and</li> <li>Tree Farm Lease Agreement (TFLA)</li> </ol>
11	CBFM-CARP Projects	The extent of the area managed by CARP beneficiaries

**Attachment 2.** Review of regional FSD as of December 2023

REGION	NO. OF DATASETS SUBMITTED	REMARKS
CAR	<b>Complete datasets</b> 11 out of 11 datasets on 25 November	<b>All datasets appended.</b> However, the following are certain issues that still need to be addressed: <ol style="list-style-type: none"><li>1. Incompleteness of attribute information; and</li><li>2. Presence of overlaps in their NGP and tenure agreement datasets.</li></ol>
NCR	<b>Complete datasets</b> 4 out of 4 datasets on 6 September	<b>All datasets appended.</b>
1	<b>Complete datasets</b> 11 out of 11 datasets on 30 November	<b>All datasets appended.</b> However, the following are certain issues that still need to be addressed: <ol style="list-style-type: none"><li>1. Incompleteness of attribute information; and</li><li>2. Presence of overlaps in their critical watershed, NGP, and tenure agreement datasets.</li></ol>
2	<b>Complete datasets</b> 11 out of 11 datasets on 15 November	<b>Not appended.</b> However, the following are certain issues that still need to be addressed: <ol style="list-style-type: none"><li>1. Incompleteness of attribute information;</li><li>2. Presence of overlaps in their tenure agreement datasets.</li></ol> Datasets were returned to the region for further cleansing on <b>20 November 2023</b> . The submitted regional FSD cannot be appended to the national geodatabase because it does not follow the properties of the FSD geodatabase.
3	<b>Complete datasets</b> 11 out of 11 datasets on 27 October	<b>All datasets appended.</b>
4-A	<b>Complete datasets</b> 11 out of 11 datasets on 29 September	<b>Not appended.</b> However, the following are certain issues that still need to be addressed: <ol style="list-style-type: none"><li>1. Incompleteness of attribute information;</li><li>2. Incorrect formatting of entries; and</li><li>3. Presence of overlaps in their tenure agreement datasets.</li></ol> Datasets were returned to the region for further cleansing on <b>17 October</b>

REGION	NO. OF DATASETS SUBMITTED	REMARKS
		<b>2023.</b> The submitted regional FSD cannot be appended to the national geodatabase because it does not follow the properties of the FSD geodatabase.
4-B	<b>Incomplete datasets</b> 9 out of 11 datasets on 17 November	<p><b>All datasets appended.</b> However, the following are certain issues that still need to be addressed:</p> <ol style="list-style-type: none"> <li>1. Incompleteness of attribute information; and</li> <li>2. Presence of overlaps in their tenure agreement datasets and among PPF_PIA and NGP datasets.</li> </ol> <p>No DENR_FRS and tenure agreement datasets (except CBFMA) in the latest submission.</p>
5	<b>Complete datasets</b> 11 out of 11 datasets on 24 November	<p><b>All datasets appended.</b> However, the following are certain issues that still need to be addressed:</p> <ol style="list-style-type: none"> <li>1. Incompleteness of attribute information.</li> </ol>
6	<b>Complete datasets</b> 11 out of 11 datasets on 4 December	<p><b>All datasets appended.</b> However, the following are certain issues that still need to be addressed:</p> <ol style="list-style-type: none"> <li>1. Incompleteness of attribute information;</li> <li>2. Incorrect formatting of entries; and</li> <li>3. Presence of overlaps in their NGP and tenure agreement datasets.</li> </ol>
7	<b>Complete datasets</b> 11 out of 11 datasets on 11 November	<p><b>All datasets appended.</b> However, the following are certain issues that still need to be addressed:</p> <ol style="list-style-type: none"> <li>1. Incompleteness of attribute information; and</li> <li>2. Presence of overlaps in their tenure agreement datasets.</li> </ol>
8	<b>Complete datasets</b> 11 out of 11 datasets on 1 December	<p><b>All datasets appended.</b> However, the following are certain issues that still need to be addressed:</p> <ol style="list-style-type: none"> <li>1. Incompleteness of attribute information;</li> <li>2. Incorrect formatting of entries; and</li> <li>3. Presence of overlaps in their NGP, CBFM-CARP, and tenure agreement datasets</li> </ol>

REGION	NO. OF DATASETS SUBMITTED	REMARKS
9	<b>Complete datasets</b> 11 out of 11 datasets on 24 November	<p><b>All datasets appended.</b> However, the following are certain issues that still need to be addressed:</p> <ol style="list-style-type: none"> <li>1. Incorrect formatting of entries; and</li> <li>2. Presence of overlaps in their CBFMA dataset.</li> </ol> <p>In their PPF_PIA dataset, the TYPE_INVST field contains no entries because the region has yet to decide on the type of investment.</p>
10	<b>Complete datasets</b> 11 out of 11 datasets on 4 December	<p><b>All datasets appended.</b> However, the following are certain issues that still need to be addressed:</p> <ol style="list-style-type: none"> <li>1. Incompleteness of attribute information; and</li> <li>2. Presence of overlaps in their tenure agreement datasets.</li> </ol>
11	<b>Complete datasets</b> 11 out of 11 datasets on 4 December	<p><b>All datasets appended.</b> However, the following are certain issues that still need to be addressed:</p> <ol style="list-style-type: none"> <li>1. Incompleteness of attribute information;</li> <li>2. Incorrect formatting of entries; and</li> <li>3. Presence of overlaps in their PPF, IFMA, and SIFMA datasets.</li> </ol>
12	<b>Complete datasets</b> 11 out of 11 datasets on 22 November	<p><b>All datasets appended.</b> However, the following are certain issues that still need to be addressed:</p> <ol style="list-style-type: none"> <li>1. Presence of overlaps in their NGP and tenure agreement datasets.</li> </ol> <p>The region has committed to submit these datasets on 11 and 19 December, respectively.</p>
13	<b>Complete datasets</b> 11 out of 11 datasets on 2 December	<p><b>All datasets appended.</b> However, the following are certain issues that still need to be addressed:</p> <ol style="list-style-type: none"> <li>1. Presence of overlaps in their NGP and CBFMA datasets.</li> </ol>

Attachment 3. Regional FSD included in the national FSD as of December 2023

REGION	Forest Investments		Forest Monitoring and Protection			Reforestation and Forest Rehabilitation		Watershed Ecosystem Management		Forest Land Use and Allocation									
	PIA	PPF	FO	FPMS	FRS	MMFN	NGP	CRIT	PROC	CBFMA	FLAg	FLGMA	FLAgT	IFMA	SIFMA	SLUP	GSUP	TFLA	CBFM-CARP
CAR																			
NCR																			
I																			
II																			
III																			
CALABARZON																			
MIMAROPA																			
V																			
VI																			
VII																			
VIII																			
IX																			
X																			
XI																			
XII																			
XIII																			

Legend:

	Data appended (Submitted datasets are cleansed and followed the prescribed properties of the FSD geodatabase)
	Data not appended (Submitted datasets cannot be appended because it does not follow the prescribed properties of the FSD geodatabase)
	No submitted data



Not applicable

**Attachment 4.** List of 21 Remaining Forestry Spatial Datasets

No.	Forestry Spatial Dataset	Geometric Type	Description
<b>FOREST INVESTMENTS</b>			
1	PIA for Land Development	Polygon	Extent (in area) of delineated potential investment areas further classified into three: 1. Expired/Cancelled Tenure Instrument, 2. Forest Investment Portfolio Area-FIPA, and 3. Untenured Tree Plantation Areas- Graduated NGP Sites
<b>REFORESTATION AND FOREST REHABILITATION</b>			
2	Clonal Nurseries	Polygon	Area extent of established clonal nurseries, clones produced
3	Arboretum	Polygon	Area extent of established arboretums, species planted and seed source
4	Individual Plus Trees	Point	Location of Individual Plus Trees
5	Seed Production Areas	Polygon	Area extent of established seed production areas
6	Urban Green Spaces	Polygon	Area extent of existing urban green spaces within metropolitan cities
<b>FOREST MONITORING AND PROTECTION</b>			
7	Apprehensions and Seizures	Point	Location of apprehensions, including, data also includes suspected source location of apprehended and/or seized forest products classified by type of product, count, volume, estimated value, etc.
8	Illegal logging hotspots	Polygon	Municipality declared as illegal logging hotspots based on criteria such as no. of illegal logging incidences and volume of apprehended logs per year etc.
9	Forest and Plantation Fire Incidences	Polygon	Reported location of forest and plantation fire incidences with estimated area and cost of damage
10	Structures within Forest Lands	Point	Location of vertical and horizontal structures (whether permanent or temporary) which are found within forest lands
<b>WATERSHED ECOSYSTEM MANAGEMENT</b>			
11	Small Water Impounding System	Point	Location of infrastructures for SWIS including service areas
12	Established Watershed Instrumentations	Point	Location of monitoring instruments within watersheds
13	Soil and Water Conservation Measures	Point	Location of established soil and water conservation measures
<b>FOREST RESOURCE USE AND ASSESSMENT</b>			
14	Wood Processing Plants	Point	Location of wood processing plants
15	Rattan Cutting Contract	Polygon	Area extent of rattan cutting contract and volume of rattan granted
16	Cutting Permits	Polygon	Location of documented trees to be cut based on the issued cutting permits
17	Tree/Seedling Replacement	Polygon	Locations of documented planted tree/seedling replacements for cutting permits
<b>FOREST LAND USE AND ALLOCATION</b>			

No.	Forestry Spatial Dataset	Geometric Type	Description
18	Existing Forest Land Use	Polygon	Existing Forest Land Use based on HLURB Categories
19	Forest Land Use Allocations	Polygon	LGU affirmed forest land use allocations based on FLUP output
20	Presidential Proclamations (except NIPAS and ENIPAS)	Polygon	Extent of forest land areas proclaimed for special purposes such as schools, mineral lands, and resettlements, except proclaimed watersheds and areas proclaimed under E/NIPAS
21	Other Projects	Polygon	Extent of areas of other forest management arrangements/projects not included in datasets 30-42. This can include areas of foreign-assisted special projects (INREMP and FMP).