



Republic of the Philippines  
Department of Environment and Natural Resources  
Visayas Avenue, Diliman, Quezon City  
Tel Nos. 929-6626 to 29; 929-6633 to 35  
929-7041 to 43; 929-6252; 929-1669  
Website: <http://www.denr.gov.ph> / E-mail: [web@denr.gov.ph](mailto:web@denr.gov.ph)

**MEMORANDUM FOR THE SECRETARY**

THRU : **THE HEAD EXECUTIVE ASSISTANT**

FROM : **THE UNDERSECRETARY**  
Finance, Information Systems, and Climate Change

SUBJECT : **STATUS OF UPLOADED CONTENT IN THE DENR CONTROL  
MAP PORTAL BY THE REGIONAL OFFICES, BUREAUS, AND  
ATTACHED AGENCIES**

DATE : 15 August 2022

---

Respectfully submitted is the status of uploaded content in the DENR Control Map Portal as of 15 August 2022:

Region	No. of regional map layers uploaded (Total: 33)	Percentage
CAR	27	82%
Region 12	25	76%
Region 1	23	70%
Region 4B	19	58%
Region 9	19	58%
Region 4A	17	52%
Region 13	17	52%
NCR	15	45%
Region 5	12	36%
Region 7	11	33%
Region 2	3	9%
Region 10	2	6%
Region 3	1	3%
Region 11	1	3%
Region 6	0	0%
Region 8	0	0%

Based on Technical Bulletin 2021-001 entitled "Guidelines on the Use of the DENR Control Map Portal," Regional Offices shall upload the regional maps every January 31 of the year. In case of changes in the map content, Regional Offices shall upload the updated version by July 31 every year. Uploading shall be done using the Regional Publisher accounts.

Attached is the full status report of the uploading per Regional map layer as well as uploading by concerned Bureaus and Attached Agencies.

For the Secretary's information and further instructions, if any.

  
ATTY. ANALIZA REBUELTA-TEH

CC: All Undersecretaries  
All Regional Executive Directors



# Status of Uploaded Content in the DENR Control Map Portal

---

Expected Layers to be uploaded	1
Schedule of uploading	3
Layers available in the DENRCM Portal as of July 31, 2022	4
Constraints and Way Forward	10

## **Expected Layers to be uploaded**

---

The following layers were committed by the bureaus and attached agencies to form part of the initial component of the DENR Control Map:

- **Biodiversity Management Bureaus**
  - a. Inland Wetland
  - b. Protected Areas
  - c. Critical Habitat
  - d. Classified Caves
- **Ecosystems Research and Development Bureau**
  - a. ERDB Ongoing and Completed Programs/Projects
  - b. Technology transfer
  - c. Demonstration areas
  - d. Experimental forest
  - e. Projects/management zone within experimental forest
- **Environmental Management Bureau**
  - a. Air Quality Monitoring Stations
  - b. Water Quality Monitoring Stations
  - c. Water Quality Management Area
- **Forest Management Bureaus**
  - a. Illegal logging hotspots
  - b. LAWIN Patrol Routes
  - c. LAWIN Conservation Areas
  - d. LAWIN Observed Threats
  - e. Critical Watersheds
  - f. Proclaimed Watersheds
  - g. Small Water Impounding System
  - h. National Greening Program
  - i. Tenurial Instruments (all Tenure Except CBFMA and CSC)
  - j. Community Based Forest Management Agreement
  - k. Investment Ready Areas
  - l. Potential Investment Area
  - m. Protection and Production Forest
- **Land Management Bureau**
  - a. Political Boundary
  - b. Cadastral – limited to cleansed data, by municipality
  - c. Friar lands – limited to cleansed data, by municipality
  - d. Military Reservation – limited to cleansed data, by municipality
  - e. Foreshore Areas (not applicable for CAR) – for clarification on status

- f. Control Points – for clarification on status
- Mines and Geosciences Bureau
  - a. Flood and Landslide Susceptibility
  - b. Geology of the Philippines
  - c. Groundwater Availability
  - d. Mineral Distribution
  - e. Mineral Potential
  - f. Mineral Reservation
  - g. Mining Tenement
- Laguna Lake Development Authority
  - a. Laguna de Bay Basin
  - b. River networks of Laguna de Bay Basin
  - c. Shoreland Areas of Laguna de Bay Basin
  - d. Stream flow and Water Quality Monitoring Stations of Laguna de Bay Basin
- National Water Resources Board
  - a. Water Resources Region
  - b. Surface Water Extraction
  - c. Groundwater Extraction
- National Mapping and Resource Information Authority
  - a. Topographic Map
  - b. Land Cover
  - c. Coastal Resources
  - d. Slope
- River Basin Coordinating Office
  - a. 18 Major River Basins

In order to support the spatial planning activities of the regional offices and facilitate monitoring of implemented activities of the field offices, the regional offices were instructed to upload the following layers on the DENR Control Map Portal:

1. Existing Interventions
2. Land classification
3. Political Boundary (Province, Municipality and Barangay)
4. Major River basin
5. Land Cover Map
6. Land Use Map
7. Protected Area Boundaries
8. Critical Watershed
9. Tenure Maps
10. Slope Map
11. Soil Map

12. NGP Areas
13. Production and Protection Areas
14. Sinkholes
15. Subsidence
16. Mining Tenement
17. Key Biodiversity Areas
18. CADT Areas
19. Geologic Areas
20. Fire lines
21. River networks
22. Road Networks
23. Patrol Routes
24. Caves and Wetland Location
25. Cadastral
26. WQMA Areas
27. MPA Locations
28. Storm Surge
29. Flood Susceptibility
30. Landslide Susceptibility
31. Climate Data
32. Rainfall Data
33. Temperature

## **Schedule of uploading**

---

Based on Technical Bulletin 2021-001 entitled "Guidelines on the Use of the DENR Control Map Portal", the following is schedule of uploading:

- Initial layers committed by the bureaus and attached agencies (Annex B) shall be uploaded to the Control Map Portal within 2 weeks from the approval of this Technical Bulletin.
- For the regional maps (Annex C), uploading shall be done using the Regional Publisher accounts. Regional Offices shall upload the regional maps every January 31 of the year. In case of changes in the map content, Regional Offices shall upload the updated version by July 31 every year.

## Layers available in the DENRCM Portal as of August 15, 2022

Initial Layers committed by Bureaus and Attached Agencies

DENRCM Initial Layers	Uploading Status	Sharing Status	Remarks
<b>1. Biodiversity Management Bureaus</b>			
a. Inland Wetland	Uploaded	Shared to whole Portal	
b. Protected Areas	Uploaded	Shared to whole Portal	
c. Critical Habitat	Uploaded	Shared to whole Portal	
d. Classified Caves	Uploaded	Shared to whole Portal	
<b>2. Ecosystems Research and Development Bureau</b>			
a. ERDB Ongoing and Completed Programs/Projects	Not accessible	Not applicable	Layers previously uploaded but currently inaccessible due to the ongoing installation and configuration of the ERDB Portal.
b. Technology transfer	Not accessible		
c. Demonstration areas	Not accessible		
d. Experimental forest	Not accessible		
e. Projects/management zone within experimental forest	Not accessible		
<b>3. Environmental Management Bureau</b>			
a. Air Quality Monitoring Stations	Uploaded	Shared to whole Portal	
b. Water Quality Monitoring Stations	Uploaded	Shared to Group	Group sharing is for EMB only
c. Water Quality Management Area	Uploaded	Shared to Group	
d. Airshed	Uploaded	Shared to Group	Originally not included in the initial layers
e. DENR Recognized Laboratories	Uploaded	Shared to Group	
f. Sanitary Landfill	Uploaded	Shared to Group	

DENRCM Initial Layers	Uploading Status	Sharing Status	Remarks
g. EMB Funded Material Recovery Facility	Uploaded	Shared to Group	
h. Industries	Uploaded	Not Shared	
<b>4. Forest Management Bureaus</b>			
a. Illegal logging hotspots	Uploaded	Not Shared	
b. LAWIN Patrol Routes	Not Uploaded	Not Applicable	
c. LAWIN Conservation Areas	Not Uploaded	Not Applicable	
d. LAWIN Observed Threats	Not Uploaded	Not Applicable	
e. Critical Watersheds	Uploaded	Not Shared	
f. Proclaimed Watersheds	Uploaded	Not Shared	
g. Small Water Impounding System	Not Uploaded	Not Applicable	
h. National Greening Program	Uploaded	Not Shared	
i. Tenurial Instruments (all Tenure Except CBFMA and CSC)	Uploaded	Not Shared	
j. Community Based Forest Management Agreement	Not Uploaded	Not Applicable	
k. Investment Ready Areas	Not Uploaded	Not Applicable	
l. Potential Investment Area	Uploaded	Not Shared	
m. Protection and Production Forest	Not Uploaded	Not Applicable	
<b>5. Land Management Bureau</b>			
a. Political Boundary	Uploaded	Shared to whole Portal	
b. Cadastral	Not Uploaded	Not Applicable	Commitment is limited to cleansed data, by municipality
c. Friar lands	Not Uploaded	Not Applicable	
d. Military Reservation	Not Uploaded	Not Applicable	
e. Foreshore Areas	Not Uploaded	Not Applicable	For clarification on status % LMB
f. Control Points	Not Uploaded	Not Applicable	
<b>6. Mines and Geosciences Bureau</b>			

<b>DENRCM Initial Layers</b>	<b>Uploading Status</b>	<b>Sharing Status</b>	<b>Remarks</b>
a. Flood and Landslide Susceptibility	Not Uploaded	Not Applicable	Based on discussion with MGB on August 1, we will proceed with portal-to-portal collaboration pending the completion of CO migration to new server.
b. Geology of the Philippines	Not Uploaded	Not Applicable	
c. Groundwater Availability	Not Uploaded	Not Applicable	
d. Mineral Distribution	Not Uploaded	Not Applicable	
e. Mineral Potential	Not Uploaded	Not Applicable	
f. Mineral Reservation	Not Uploaded	Not Applicable	
g. Mining Tenement	Not Uploaded	Not Applicable	
<b>7. Laguna Lake Development Authority</b>			
a. Laguna de Bay Basin (LLDA Hydrological Jurisdiction)	Uploaded	Shared to whole Portal	
b. River networks of Laguna de Bay Basin	Not Uploaded	Not Applicable	
c. Shoreland Areas of Laguna de Bay Basin	Not Uploaded	Not Applicable	
d. Stream flow and Water Quality Monitoring Stations of Laguna de Bay Basin	Not Uploaded	Not Applicable	
e. Primary Navigational Lane within the Laguna de Bay	Uploaded	Shared to whole Portal	
f. Secondary Navigational Lane within the Laguna de Bay	Uploaded	Shared to whole Portal	
g. Tertiary Navigational Lane within the Laguna de Bay	Uploaded	Shared to whole Portal	
h. Fish Sanctuaries within the Laguna de Bay	Uploaded	Shared to whole Portal	
i. Seven Crater Lakes	Uploaded	Shared to whole Portal	
<b>8. National Water Resources Board</b>			



<b>DENRCM Initial Layers</b>	<b>Uploading Status</b>	<b>Sharing Status</b>	<b>Remarks</b>
a. Water Resources Region	Not Uploaded	Not Applicable	
b. Surface Water Extraction	Not Uploaded	Not Applicable	
c. Groundwater Extraction	Not Uploaded	Not Applicable	
<b>9. National Mapping and Resource Information Authority</b>			
a. Topographic Map	Not Uploaded	Not Applicable	
b. Land Cover	Not Uploaded	Not Applicable	
c. Coastal Resources	Not Uploaded	Not Applicable	
d. Slope	Not Uploaded	Not Applicable	
<b>10. River Basin Control Office</b>			
a. 18 Major River Basins	Uploaded	Shared to Public	Linked to RBIIMS, started production in July 2022, ongoing data entry. Public sharing set to enable viewing of maps in RBIIMS

## Regional Layers

### REGIONAL MAP LAYERS FOR UPLOADING TO DENR CONTROL MAP PORTAL

As of August 15, 2022

Regional Map Layers for Uploading	NCR	CAR	R1	R2	R3	R4a	R4b	R5	R6	R7	R8	R9	R10	R11	R12	R13
1 Existing Interventions		Uploaded														
2 Land Classifications	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded	Not uploaded	Uploaded	Not uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded
3 Political Boundary (Prov., Mun. and Brgy.)	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded	Uploaded	Not uploaded	Uploaded	Not uploaded	Uploaded	Uploaded	Not uploaded	Uploaded	Uploaded
4 Major River Basin	Not uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Not uploaded
5 Land Cover Map	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded
6 Land Use Map	Not uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded
7 Protected Area Boundaries	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded
8 Critical Watershed	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded
9 Tenure Maps	Not uploaded	Not uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded
10 Slope Map	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded
11 Soil Map	Not uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded
12 NGP Areas	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded
13 Production and Protection Areas	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded
14 Sinkholes	Not uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded
15 Subsidence	Not uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded
16 Mining Tenement	Not uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded
17 Key Biodiversity Areas	Not uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded
18 CADT Areas	Not uploaded	Not uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded

REGIONAL MAP LAYERS FOR UPLOADING TO DENR CONTROL MAP PORTAL

As of August 15, 2022

Regional Map Layers for Uploading		NCR	CAR	R1	R2	R3	R4a	R4b	R5	R6	R7	R8	R9	R10	R11	R12	R13
19	Geologic Areas	Not uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Not uploaded
20	Fire Lines	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded
21	River Networks	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Not uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded
22	Road Networks	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded
23	Patrol Routes	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded
24	Caves and Wetland Locations	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Not uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded
25	Cadastral	Not uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded
26	WQMA Areas	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Not uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Not uploaded
27	MPA Locations	Not uploaded	NA	Uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Not uploaded
28	Storm Surge	Not uploaded	NA	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded
29	Flood Susceptibility	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded
30	Landslide Susceptibility	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded
31	Climate Data	Not uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Uploaded	Not uploaded
32	Rainfall Data	Not uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded
33	Temperature	Not uploaded	Uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded	Not uploaded
Total		15	27	23	3	1	17	19	12	0	11	0	19	2	1	25	17
Percent		45%	82%	70%	9%	3%	52%	58%	36%	0%	33%	0%	58%	6%	3%	76%	52%