

**REPUBLIKA NG PILIPINAS
TANGGAPAN NG SANGGUNIANG PANLUNGSOD
LUNGSOD NG BAKOLOD
-oOo-**

**CITY ORDINANCE NO. 964
October 06, 2021**

**COMPREHENSIVE LAYOUTTING AND ENVIRONMENTAL MAPPING ORDINANCE
AND ESTABLISHMENT OF BACOLOD'S ENVIRONMENTAL MAPPING SECTOR.**

WHEREAS, Republic Act 11038, also known as the Expanded National Integrated Protected System Act of 2018, states that in Section 5, areas duly certified as protected shall be accurately mapped by the National Mapping and Resource Information Authority (NAMRIA);

WHEREAS, Republic Act 11038 expressly states that the Department of Environment and Natural Resources shall undertake technical mapping of environmental areas and to conduct suitability assessments of the areas;

WHEREAS, RA 11038 dictates that the DENR shall submit a complete map and overview of the area's ethnographic study, land and water use;

WHEREAS, environmental mapping is a requirement under Republic Act 10121;

WHEREAS, it is explicitly stated in Republic Act 10121, also known as the Philippine Disaster Risk Reduction and Management Act 2010 that a comprehensive and efficient disaster risk reduction plan must involve a coherent environmental mapping composed of risk assessment and environmental impact;

WHEREAS, the National Disaster Risk Reduction and Management Framework (NDRRMF) should undertake hazard mapping, asset insurance, and public information;

WHEREAS, Executive Order No. 79 prioritizes the protection of environmental areas over mining and utilization of mineral resources;

WHEREAS, Local Government Code of 1991 provides that LGUs have the duty and authority to protect and co-manage the environment and enhance the right of the people to a balanced ecology;

WHEREAS, according to the revised Presidential Decree No. 389, also known as the Revised Forestry Code of the Philippines, adopts the policy that multiple uses and protection of forest lands shall be oriented to public welfare;

WHEREAS, PD 389 also dictates that classification of public forests and forest lands must be determined through planning and evaluation;



WHEREAS, under Section 4 of Executive Order 192, DENR is mandated to enhance natural resource planning and ecological integrity and development through promoting terrestrial planning;

NOW THEREFORE, BE IT ORDAINED by the Sangguniang Panlungsod of Bacolod City in regular session assembled that:

Section 1. Title. This ordinance shall be known as the “**Comprehensive Layoutting and Environmental Mapping Ordinance and Establishment of Bacolod’s Environmental Mapping Sector**”

Section 2. Declaration of Policy. It is hereby declared the policy of the city to establish a concrete ways of environmental mapping that encapsulates the necessary information the government and the public need such as but not limited to:

- a) number of fully grown trees within the vicinity
- b) area covered by the technical map
- c) areas prone to flooding
- d) nearby riverbanks that require maintenance
- e) adequate reports about recent soil quality and erosion history
- f) number of people living within or around the vicinity
- g) risk and danger zones classified under three levels of danger from Low, Moderate, to High

Section 3. Technical Mapping Group. Moreover, the aforementioned requirements and elements found in the technical map shall be of standard for the environmental mapping sector of Bacolod to follow. Second, hereby declares the policy to establish a specialized sector for environmental mapping and land layoutting to further increase the efficiency of Disaster Risk Management. This special sector shall be named “Bacolod City Environmental and Technical Mapping Team for Disaster Risk Management and Land Protection” wherein their duties and responsibilities are dictated as follows:

- a) This sector shall work with the already established Disaster Risk Management team however they mainly focus on technical mapping, research regarding hazardous sites, collection of information from the public residents, studying of soil erosion activities, and the dissemination of information to the public.
- b) When it comes to the reports this sector shall give to Bacolod’s Risk Management and Prevention team and to DENR, they shall follow the aforementioned standards and requirements;

Section 4. Scope and Coverage. This ordinance shall cover up essential areas of concern regarding forest lands, agricultural, recreation, residential, and commercial, considering that environmental mapping shall be comprehensive for the betterment of the city’s preparedness and awareness when it comes to happenings around the environment.



Sector 5. Definition of Terms. The following terms are defined for the purposes of this ordinance:

Environmental mapping- the creation of a concrete or digital overview of a specific area with the needed requirements and elements as mentioned earlier in the ordinance;

Forest Land- an area surrounded by large amounts of trees and wildlife that has little to no human inhabitants claiming the area;

Agricultural Land- lands that are suitable for agricultural production for both crops and livestock, both arable and pasture;

Recreation Land- land used for purposes of recreation, for example, sports fields, gymnasiums, playgrounds, public parks and green areas, public beaches;

Residential Land- property improved by a dwelling and zoned for or otherwise authorized for single-family or multifamily use, with an average of one or more residences per 5 acres;

Commercial Land- most suitable for wholesale or retail businesses, financial institutions, professional offices and clinics, service trades;

Technical Map- refers to the output of the Technical Mapping group;

Technical Mapping Group- refers to the Bacolod City Environmental and Technical Mapping Team for Disaster Risk Management and Land Protection;

Danger Zones- areas or sectors the Technical Mapping Group deemed as disaster prone areas from natural hazards from flooding, soil erosion, earthquakes, mudslides, forest fires, etc.;

High-risk danger Zones- depicted as red zones in the technical map, are areas deemed as high probability of natural hazard zones by the Technical Mapping Group;

Moderate-risk danger Zones- depicted as orange zones in the technical map, are areas deemed as medium probability of natural hazard zones by the Technical Mapping Group;

Low-risk danger Zones- depicted as yellow zones in the technical map, are areas deemed as low probability of natural hazard zones by the Technical Mapping Group;

Riverbanks- the rising ground from the highest normal water mark, bordering or adjacent to a river in the form of rock, mud, gravel or sand, an area prone to flooding due to overflow during a thunderstorm, typhoon, rain;



Section 6. Frequency of Reports. Considering that mapping out certain areas takes time, the frequency of updating the reports shall be after three (3) since Geographical Information slowly changes unless human intervention succeeds it;

Section 7. Technicalities of Reporting. Reporting of information to the DENR, NDRRMC, and Bacolod's DRRMO shall be made yearly through a comprehensive report with the following information attached:

- Year
- Location of the land
- Land area coverage
- Highlighted zones of probably risks (Low, Moderate, High)
- Areas of concern or interest (important details regarding the wildlife in the case of animal or tree conservation concerns within the area)
- Technical map
- Rough estimate of the number of trees
- Human actions taking place within the vicinity and within the area
- Ownership of the land
- Land type

Section 8. Technical Mapping Group Formation. As stated above, there will be a new sector with a sole purpose of mapping certain areas of concern. In order to fully maximize the sector's efficiency, the following roles must be filled.

- Two (2) Photographers
- Environmental Specialist
- Statistician
- Environmental Historic Preservation Specialist
- Natural Resource Specialist
- Mapping Technician
- Program Manager for Response and Recovery
- Security Analyst

Section 9. Job Specifications and Requirements. This section shall run through the requirements of the following roles needed for the Technical Mapping Group:

- **Photographers**
 - Photographers that can take aerial photographs and landscape ones that can take multiple, high-quality photos that captures the important areas of the area, wildlife, and areas of concern with prior knowledge on editing for purposes of highlighting certain parts of the photos intended for reporting scenarios;



- **Environmental Specialist**
 - In-depth knowledge on environmental sectors in Bacolod City and Negros Occidental Region
 - Bachelor's Degree in Biology
 - Background in Geographical Information Systems
 - Develop and review in mapping and data collection

- **Statistician**
 - Master's Degree in Statistics/Mathematics
 - In-depth knowledge on environmental sectors in Bacolod City and Negros Occidental Region
 - Background in Geographical Information Systems
 - Develop and review in mapping and data collection

- **Environmental Historic Preservation Specialist**
 - Bachelor's Degree in Natural Sciences/Environmental Policy/Public Health
 - Background in Geographical Information Systems
 - Develop and review in mapping and data collection
 - Background in Negros and Bacolod's Environmental History
 - In-depth knowledge on environmental sectors in Bacolod City and Negros Occidental Region

- **Natural Resource Specialist**
 - Bachelor's Degree in Environmental Science/Biology
 - Background in Geographical Information Systems
 - Data collection
 - In-depth knowledge on environmental sectors in Bacolod City and Negros Occidental Region

- **Mapping Technicianfund**
 - Bachelor's Degree in Computer Sciences
 - GIS Specialist
 - Expertise in Photo Editing Software

- **Program Manager for Response and Recovery and Security Analyst**
 - Degree or Experience in Emergency Management
 - Optional Bachelor's Degree in Emergency Management
 - Background in Geographical Information Systems
 - In-depth knowledge on environmental sectors in Bacolod City and Negros Occidental Region
 - Experience working under Disaster Risk Management and Prevention



- **Academe**

– At least be a department head appointed by the Commission on Higher Education (CHED)

Section 10. Funding Source. An initial funding to defray the expenses for the implementation of this ordinance shall be done through consultants and sourced from the funds of the City Government with the terms of references of the bidding to cover the above personnel qualifications and shall automatically be included in the Annual Budget of the city for the implementation and enforcement of this Ordinance.

Section 11. Separability Clause. If any part of this Ordinance is declared as unconstitutional or unlawful, such declaration shall not affect the other parts or Sections hereof that are not declared unlawful or unconstitutional.

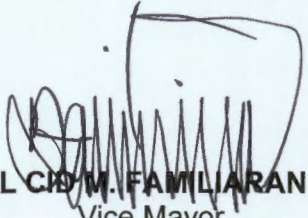
Section 12. Repealing Clause. All previous ordinances inconsistent with this Ordinance shall be deemed repealed or modified accordingly.

Section 13. Effectivity. This Ordinance shall take effect fifteen (15) days after the last day of its publication in a newspaper of general circulation within the city and after posting of the same in three (3) conspicuous places.

CARRIED BY THE VOTE OF:


Affirmative :
Councilors : Cindy T. Rojas, Renecito S. Novero, Simplicia Z. Distrito, Carlos Jose V. Lopez, Al Victor A. Espino, Archie S. Baribar, Israel P. Salanga, Dindo C. Ramos, Bartolome N. Orola, Sr., Ana Marie V. Palermo, Lady Gles Gonzales-Pallen, Ayesha Joy Y. Villaflor.
Negative : N o n e.
Absent : N o n e.
Author : Councilor Carlos Jose V. Lopez
Passed : October 6, 2021 (118th Regular Session of the 10th Council via Zoom Teleconference)
Comments : P a s s e d .
Councilor Wilson C. Gamboa was not around when this ordinance was passed.






EL CID W. FAMILIARAN
Vice Mayor
Presiding Officer

ATTESTED:




ATTY. VICENTE C. PETIERRE III
Secretary to the Sanggunian

APPROVED: _____

EVELIO R. LEONARDIA
City Mayor 

VCP/CGT/*ngb*

10 DAYS LAPSED
AS OF October 28, 2021 



CERTIFICATION

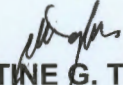
This is to certify that **CITY ORDINANCE NO. 964, Series of 2021** passed by the Sangguniang Panlungsod of the City of Bacolod on October 06, 2021 entitled:

**COMPREHENSIVE LAYOUTTING AND ENVIRONMENTAL MAPPING ORDINANCE
AND ESTABLISHMENT OF BACOLOD'S ENVIRONMENTAL MAPPING SECTOR.**

was published in Journal Visayas on December 27, 2021-January 2, 2022 and posted on October 28, 2021, in the following conspicuous places in the City of Bacolod, to wit:

1. Bulletin Board of the Sangguniang Panlungsod
2nd Floor Bacolod City Government Center
2. Old City Hall (Araneta-Luzuriaga Streets)
3. Bacolod Public Plaza
4. City Health Office
5. Hall of Justice
6. North (Burgos) Public Market
7. South (Libertad) Public Market
8. Central Market

Bacolod City, Philippines, January 19, 2022.


CHRISTINE G. TEMPLA
Board Secretary IV 