

NINETEENTH CONGRESS OF THE )  
REPUBLIC OF THE PHILIPPINES )  
*Second Regular Session*



**HOUSE OF REPRESENTATIVES  
HOUSE BILL NO. 8988**

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Introduced by **REPRESENTATIVE VIRGILIO S. LACSON**

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**EXPLANATORY NOTE**

Flooding is a recurring and devastating natural hazard that poses significant threats to lives, properties, and sustainable development in the Philippines. With an average of 20 storms and typhoons hitting the country annually, the impact of flooding has been steadily growing, causing loss of lives, extensive damage to infrastructure, disruption of livelihoods, and hindering economic progress.

In recognition of the urgent need to address this critical challenge, this bill seeks to establish the Comprehensive Flood Mapping and Resilience Program (CFMRP) aimed at creating, maintaining, and disseminating accurate and up-to-date flood maps for all regions and local government units (LGUs) in the Philippines. These flood maps will provide crucial information on flood-prone areas, hazard zones, historical flood scenarios, vulnerable communities, and other relevant flood-related data.

The primary objective of the CFMRP is to enhance disaster preparedness, mitigation, and response by equipping local communities, LGUs, and relevant stakeholders with comprehensive flood hazard information. By promoting the use of modern geospatial technologies and scientific methodologies, this program will empower decision-makers to adopt risk-informed land-use planning, resilient development practices, and timely disaster response measures.

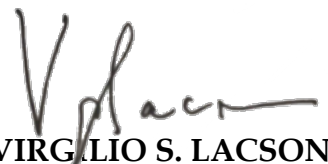
Furthermore, this bill emphasizes the mandatory utilization of flood maps by housing developers, promoting the establishment of residential areas in safe and flood-resilient locations. It also encourages homeowners to access and utilize flood maps to make informed decisions about property investments, construction, and flood insurance coverage.

The CFMRP envisions a Philippines where accurate flood maps are integral tools for disaster risk reduction, sustainable development, and citizen empowerment. By providing accessible and reliable flood hazard information, this program will contribute

to saving lives, reducing property damage, enhancing community resilience, and optimizing the allocation of resources for disaster management.

In line with the State's commitment to protecting the welfare of its citizens and ensuring sustainable development, the immediate passage of this bill is earnestly sought. Through the establishment of the CFMRP, we aim to build a flood-resilient nation that is better equipped to face the challenges posed by flooding and to secure a safer, more sustainable future for all Filipinos.

For the foregoing reasons, the approval of this bill is earnestly sought.



**HON. VIRGILIO S. LACSON**  
Manila Teachers Party-list

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**AN ACT**  
**TO ESTABLISH THE COMPREHENSIVE FLOOD MAPPING AND RESILIENCE PROGRAM, MANDATING THE CREATION, MAINTENANCE, AND DISSEMINATION OF FLOOD MAPS FOR ALL REGIONS AND LOCAL GOVERNMENT UNITS IN THE PHILIPPINES, TO ENHANCE DISASTER PREPAREDNESS, MITIGATION, AND RESPONSE, AND TO PROMOTE RISK-INFORMED DECISION MAKING AND SUSTAINABLE DEVELOPMENT IN FLOOD-PRONE AREAS**

SECTION 1. Short Title. - This Act shall be known as the "Comprehensive Flood Mapping and Resilience Act".

SECTION 2. Declaration of Policy. - It is hereby declared the policy of the State to recognize the recurring threat of flooding in the Philippines and to proactively address its adverse impacts on lives, properties, and sustainable development. This Act seeks to establish a comprehensive flood mapping and resilience program to provide accurate, up-to-date, and accessible flood hazard information, enhance disaster preparedness and response, and promote resilient and risk-informed development practices in flood-prone areas.

SECTION 3. Establishment of the Comprehensive Flood Mapping and Resilience Program (CFMRP). - The Department of Environment and Natural Resources (DENR), in collaboration with relevant government agencies, local government units (LGUs), academic institutions, housing developers, and other stakeholders, shall establish the Comprehensive Flood Mapping and Resilience Program (CFMRP).

The DENR shall be responsible for the creation, maintenance, and dissemination of flood maps for all regions and LGUs in the Philippines, utilizing modern geospatial technologies and scientific methodologies.

SECTION 4. Scope of Flood Maps. - The flood maps shall include, but shall not be limited to, the following information:

- (1) Flood-prone areas and hazard zones;
- (2) Historical flood data and scenarios;
- (3) Vulnerable communities and critical infrastructure;
- (4) Depth and extent of potential flooding;
- (5) River basins and watershed boundaries;
- (6) Climate change considerations and projections;
- (7) Predictive planning - A projection of potential flooding considering a 50-year timeframe and 100-year timeframe, taking into account anticipated changes in climatic conditions and land use patterns over the specified period.

The flood maps shall be made available in both digital and accessible formats, including online platforms, to ensure widespread public access and usability.

SECTION 5. Collaboration and Data Sharing. - The DENR, in coordination with the Department of Science and Technology (DOST), Department of the Interior and Local Government (DILG), and other relevant agencies, shall establish mechanisms for data collection, sharing, and validation to ensure the accuracy and reliability of flood map information. LGUs shall actively participate in data sharing and contribute local flood-related data to the CFMRP.

#### SECTION 6. Utilization of Flood Maps. -

- (a) LGUs shall integrate the flood maps into their land-use plans, zoning ordinances, and development policies to ensure that urban and rural planning decisions are guided by accurate flood hazard information.
- (b) Housing developers shall be mandated to use the flood maps in their site selection, planning, and development processes to ensure that residential areas are established in safe and flood-resilient locations.
- (c) Homeowners shall be encouraged to access flood maps and utilize flood hazard information to make informed decisions about property investments, construction, and flood insurance coverage.

SECTION 7. Public Awareness and Capacity Building. - The DENR shall conduct nationwide public awareness campaigns and capacity-building activities to promote understanding and utilization of flood maps among communities, LGUs, housing developers, homeowners, and stakeholders.

Training programs and workshops shall be organized to enhance the technical capacity of LGU personnel, housing developers, and relevant stakeholders in flood mapping, hazard assessment, and risk reduction.

SECTION 8. Updating and Review of Flood Maps. - The DENR shall regularly update and review the flood maps to reflect changing environmental conditions, new scientific findings, and the evolving nature of flood hazards.

An independent review mechanism shall be established to ensure the accuracy and credibility of the flood map data.

SECTION 9. Funding and Resources. - The necessary funds for the implementation of this Act shall be appropriated through the annual General Appropriations Act. The DENR, in coordination with other relevant agencies, shall allocate adequate resources, technical support, and personnel to effectively carry out the provisions of this Act.

SECTION 10. Reporting. - The DENR, in collaboration with the DOST, DILG, and other relevant agencies, shall submit an annual report to Congress on the progress and accomplishments of the DENR and the utilization of flood maps nationwide.

SECTION 11. Implementing Rules and Regulations. - The DENR, in coordination with relevant agencies, housing developers, homeowners, and stakeholders, shall promulgate the necessary rules and regulations to implement this Act within ninety (90) days from its effectivity.

SECTION 12. Separability Clause. - If any provision or part of this Act is declared invalid or unconstitutional, the other provisions not affected shall remain in full force and effect.

SECTION 13. Effectivity. - This Act shall take effect fifteen (15) days after its publication in the Official Gazette or in a newspaper of general circulation.

Approved.