



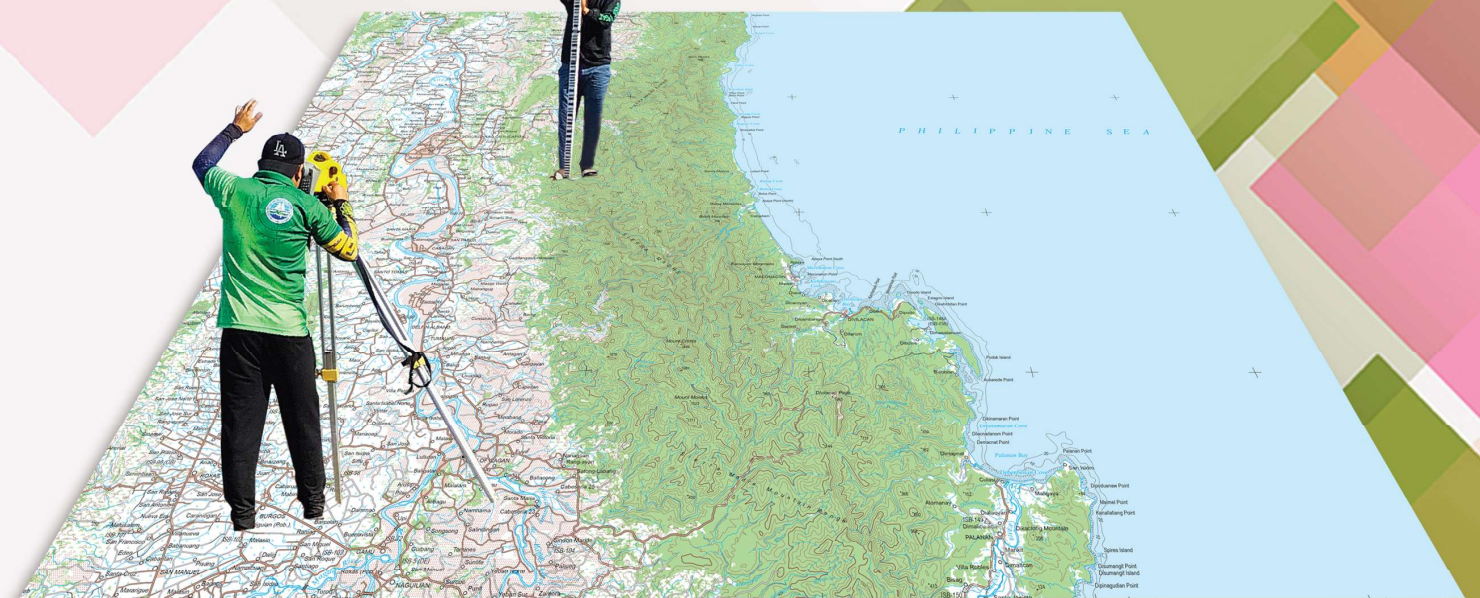
2024 ANNUAL REPORT



namria.gov.ph

Prepared by the
GEOSPATIAL INFORMATION SERVICES DIVISION
Geospatial Information System Management Branch
in coordination with the Policy and Planning Division and
the other NAMRIA Branches

www.namria.gov.ph





MISSION

To provide quality topographic maps, nautical charts, and other geospatial products and services in a timely, equally accessible, and coordinated manner.

VISION

NAMRIA is a center of excellence, building an inclusive and geospatially-empowered Philippines.

NAMRIA CORE VALUES

1. Professionalism
2. Transparency and Accountability
3. Innovativeness
4. Efficiency
5. Collaborativeness

SERVICE PLEDGE

We at NAMRIA, guided by our mandate, vision, mission, and core values, are committed to our clients' and stakeholders' utmost satisfaction in providing quality geospatial information and services while upholding the regulatory, professional, ethical, and efficiency standards.

In any disruptive situation, we shall exert best efforts to promptly recover our viability, restore our operations, ensure the continuity of our essential functions, and strengthen the resilience of our agency, bearing in mind the welfare of our fellow employees and guests, and the protection of our resources.

We shall constantly enhance our competencies to continually improve our quality and continuity management systems, adopt world-class technologies, respond to the needs of changing times, and be an agent for a geospatially-empowered Philippines.

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ISO 9001:2015-CERTIFIED FOR MAPPING AND GEOSPATIAL INFORMATION MANAGEMENT

INVESTORS IN PEOPLE™
We invest in people Gold

MAP SALES OFFICES

REGION	ADDRESS	MSO STAFF	CONTACT NUMBER
National Capital Region (NCR) - Taguig City	Lawton Avenue Fort Andres Bonifacio Taguig City	Dante A. Rosette, Jr. Ana Victoria A. Labor Marlon Y. Aguilar	(02) 8810 4831 to 42 local 431 (02) 8810 54 67 0956 5587584 0915 2777903
NCR - Manila City	421 Barraca Street San Nicolas, Manila	SN3 Marilou B. Cinco Romeo B. Brizuela Mary Jane M. Montano	0966 8523814 (02) 8245 94 98 (02) 8241 3495 local 117
NCR - Quezon City	FMB Building DENR Compound Visayas Avenue, Quezon City	Sherry Ann S. Perez Glenn M. De Jesus	0999 6079193 0928 4497159
Region I - La Union*	DENR Government Center Sevilla, City of San Fernando La Union		
Region II - Cagayan	DENR-Land Evaluation Party Building II, Carig, Tuguegarao City	Rubilyn T. Pulpulaan	09176519625
Region III - Pampanga	DENR Compound, Diosdado Macapagal Government Center Maimpis, City of San Fernando Pampanga	Rosalina M. Libunao	0991 3509756
Region IVA - Batangas	Provincial Planning and Development Office Capitol Complex, Batangas City	Engr. Leda P. Velasquez	0961 4552583
Region IVB - Palawan	DENR-PENRO - Santa Monica, Puerto Princesa City, Palawan	Juvy B. Sarmiento Corazon L. Zefarosa	0916 203 8041
Region V - Albay	DENR Operation/Survey Division Rizal Street, Sagpon Legazpi City	Isabelita T. Climaco	09063363033
Region VI - Iloilo*	Manuel Lagunilla Building, DENR Compound, Parola Iloilo City		
Region VII - Cebu	DENR-CENRO Building, Arellano Boulevard corner V. Sotto Street Pier 3, Cebu City	Melchor E. Togonon Renato B. Alcontin, Jr.	
Region IX - Zamboanga City	DENR CENRO West General Vicente Alvarez Street, Zone 4 Zamboanga City	Annete P. Flores	0955 892 8777
Region IX - Zamboanga del Sur	President Corazon C. Aquino Regional Government Center Balintawak, Pagadian City	Lucero A. Santillan	0935 5962917
Region X - Misamis Oriental	DENR Building Macabalan, Cagayan de Oro City	Jennifer D. Bagamaspad	0966 8524887
Region XI - Davao del Sur	Kilometer 7, SPED Road Bangkal, Davao City	SN1 Eduardo A. Deocampo	0915 6127770 0966 8523825
Region XII - South Cotabato	3rd Floor, DENR Building Land Evaluation Survey Section Aurora Street, Barangay Zone IV Koronadal City, South Cotabato	Jeanyluz B. Bautista	0909 9324745
CARAGA, Region XIII Agusan del Norte	DENR Regional Office Land Management Building Ambago, Butuan City	Maricar E. Siega	0948 3619452

*Temporarily closed

As of December 2024

Financial Report

STATEMENT OF FINANCIAL POSITION ALL FUNDS AS OF DECEMBER 31, 2024			
	2024		2023
ASSETS			
Current Assets			
Cash and Cash Equivalents	P	52,803,227.08	P 39,773,726.80
Receivables		14,090.00	
Inventories		84,830,925.78	30,227,472.42
Other Current Assets		2,419,578.14	6,605,916.21
Total Current Assets		140,067,821.00	76,607,115.43
Non-Current Assets			
Receivables		1,294,958.57	1,294,958.57
Property, Plant and Equipment		812,742,224.12	887,740,377.74
Intangible Assets		976,900,171.20	1,004,489,267.69
Other Non-Current Assets		4,752,757.14	13,141,709.52
Total Non-Current Assets		1,795,690,111.03	1,906,666,313.52
Total Assets		1,935,757,932.03	1,983,273,428.95

LIABILITIES AND NET ASSETS/EQUITY			
Current Liabilities			
Financial Liabilities	25,520,222.43	102,987,768.19	
Inter-Agency Payables	3,418,858.54	17,206,331.02	
Due to Operating Units	-	-	
Other Payables	1,672,792.22	400,148.54	
Total Current Liabilities	30,611,873.19	120,594,247.75	
Non-Current Liabilities			
Trust Liabilities	2,736,478.06	1,671,005.19	
Total Non-Current Liabilities	2,736,478.06	1,671,005.19	
Total Liabilities	33,348,351.25	122,265,252.94	
Total Assets less Total Liabilities	1,902,409,580.78	1,861,008,176.01	
Net Assets/Equity			
Accumulated Surplus/(Deficit)	1,902,409,580.78	1,861,008,176.01	
Total Net Assets/Equity	1,902,409,580.78	1,861,008,176.01	

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ADMINISTRATOR'S REPORT



UFNs prior to their submission to the SCUFN. To date, the Philippines has a total of 97 SCUFN-accepted UFNs, 12 of which are located in the West Philippine Sea.

In a related event, the Philippines, through the NAMRIA, is the only country to have submitted its entire bathymetric data to the GEBCO for the Seabed 2030 Project.



Philippine delegation to SCUFN-37 (from left to right): HB OIC-ADA, Cdr Ching; NAMRIA Administrator Tiangco, POD-HB Chief Bringas, and DFA-MOAO Division II Acting Director Peralta

The National Mapping and Resource Information Authority (NAMRIA) Annual Report for Calendar Year 2024 underscores the Agency's steadfast commitment to delivering high-quality geospatial products and mapmaking services to its stakeholders and the general public. Throughout the year, the NAMRIA has proven its indispensable role in driving the nation's progress and bolstering its resilience, staying true to its vision of building a geospatially-empowered Philippines.

In November, President Ferdinand "Bongbong" Romualdez Marcos, Jr. signed the Philippine Maritime Zones Act and the Philippine Archipelagic Sea Lanes Act, marking a historic milestone for the Philippines. These vital laws reaffirm our nation's sovereignty and jurisdiction over its waters while providing the framework for the responsible and sustainable development of our most valuable ocean resources. The NAMRIA played a crucial role by supplying essential geospatial information that supported the passage of these laws.

In June, the NAMRIA headed the Philippine delegation to the 37th meeting of the Sub-Committee on Undersea Feature Names (SCUFN), a body under the Joint International Hydrographic Organization-Intergovernmental Oceanographic Commission Guiding Committee for the General Bathymetric Chart of the Oceans (GEBCO), in South Korea. The Philippines achieved a remarkable milestone, with 100% of its 25 submitted undersea feature names (UFNs) in the Philippine Sea being accepted. The NAMRIA is part of the Philippines' Technical Working Group on Undersea Feature Names (UFN-TWG), which reviews proposed

The NAMRIA's partnerships with revered organizations such as the International Hydrographic Organization (IHO) have broadened the Agency's engagement and reinforced the Philippines' national identity and sovereignty.

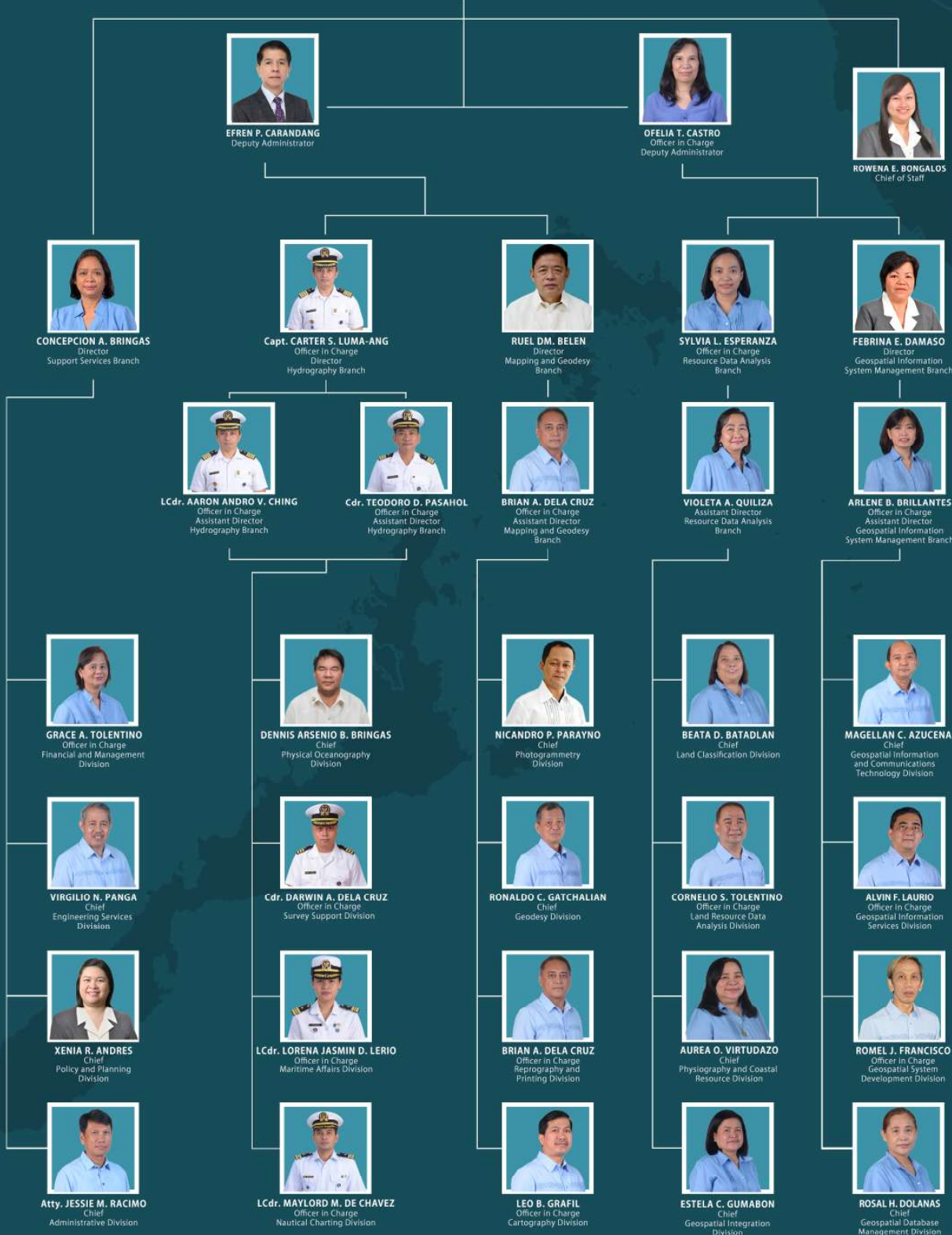
In April, the NAMRIA had the privilege of hosting the United Nations (UN)-Philippines Workshop on the Applications of Global Navigation Satellite Systems (GNSS) in Manila. This collaboration with the UN Office for Outer Space Affairs, the International Committee on GNSS, and the Philippine Space Agency provided a space for discussing and exchanging information on GNSS technology and applications, and building capacity and strengthening institutions. The event gathered experts from the European Union and various international sectors, including national space agencies, academia, and research institutions and organizations from both developed and developing countries.

In July, the NAMRIA key officials and technical personnel presented the Agency's latest undertakings at the NAMRIA Stakeholders Conference themed "Mapping

NAMRIA



Usec. PETER N. TIANGCO, PhD, CESO I
ADMINISTRATOR



Accomplishments under the NAMRIA GAD program are as follows:

- ◆ Conducted three (3) Gender Sensitivity Trainings and NAMRIA GAD Trainers follow through activities
- ◆ Conducted five (5) Geomatics Training courses targeting participation of women
- ◆ Conducted 10 GAD-related activities pertaining to the 2024 Women's Month Celebration, 18-Day Campaign to End Violence Against Women
- ◆ Reproduced and distributed GAD IEC materials
- ◆ Conducted gender audits
- ◆ Maintained the NAMRIA Day Care Center and Lactation Station
- ◆ Prepared and submitted one (1) FY 2025 GAD Plan and Budget and one (1) FY 2023 GAD Accomplishment Report
- ◆ Updated the NAMRIA GAD Agenda and Strategic Framework
- ◆ Increased the number of GAD-maintstreamed projects to nine (9)



Conduct of GAD Impact Assessment Orientation held on 13 November 2024 at the NAMRIA Lecture Hall



Distribution of GAD IEC Materials during courtesy calls and coordination meetings at the Provincial Capitol of Camarines Norte as part of the GAD-mainstreaming activities under the Coastal Resource Mapping and Assessment Project



United Nations Workshop on GNSS Applications delegates together with NAMRIA Administrator Tiangco and officials, Director General Marciano Jr. of PhilSA, Ms. Sharafat Gadimova of UNOOSA, and Usec. Augusto Dela Peña of the DENR



COMELEC Commissioner Atty. Aimee P. Ferolino, COMELEC Chairperson Garcia, Usec. Tiangco, and Director Ruel DM. Belen after the MOA signing

Tomorrow: Collaborative Efforts for a Geospatially Empowered and Inclusive Future". Among the topics presented were the updated NAMRIA Strategic Plan, the digitalization of maritime services, the modernization of the National Topographic Base Mapping, the strategies and innovations in Environment and Natural Resources, the Geoportal Philippines (GP), and the Philippine Integrated Geospatial Information Management. This conference served as an important platform for fostering partnerships and aligning efforts with the Agency's stakeholders, furthering their shared vision of a geospatially enabled Philippines.

The NAMRIA and the Commission on Elections (COMELEC) signed a Memorandum of Agreement, also in July, to promote collaboration between the two agencies through the free exchange of geospatial data. This partnership seeks to enhance electoral efficiency and transparency through optimization of government resources, utilization of geographic information systems (GIS) to continuously maintain and update the COMELEC's election precinct maps, and enhancement of the Commission's GIS capabilities using the geospatial data provided by the NAMRIA.

In August, a GP data sharing agreement was signed between the NAMRIA and the Department of Transportation-Philippine Railways Institute as part of their partnership in geospatial information management and capacity-building efforts to ensure efficient, reliable, and safe transportation services in the country.

In November, delegates of the International Association of Geodesy (IAG) visited the NAMRIA to explore the Agency's history and examine artifacts related to

surveying and mapping. The visit, part of the three-day IAG Workshop 2024 held in Manila, where NAMRIA served as a member of the local organizing committee, aimed to discuss geodetic advancements supporting resilient infrastructure development and disaster risk reduction and management (DRRM).

In December, the NAMRIA hosted an exploratory meeting with the Japan International Cooperation Agency and the Department of Science and Technology (DOST)-Philippine Institute of Volcanology and Seismology to implement a three-year Technical Cooperation Project titled "The Project for Capacity Development for Monitoring and Information Dissemination of Earthquake, Tsunami, and Volcano". The project aims to enhance the dissemination and response to information on earthquakes, tsunamis, and volcanic activity while strengthening disaster preparedness and management in the country. The project's implementation structure was discussed in a Joint Coordinating Committee meeting that followed.

The NAMRIA Geomatics Training Center (GTC) was also actively engaged in conducting online, offsite, and hybrid Basic and Advanced GIS training sessions for various sectors in 2024. Offices and organizations that received training include the DENR Regional Offices, the Bureau of Soils and Water Management-Regional Land Use Technical Working Group, the MIMAROPA Agriculture, Aquatic, and Natural Resources Research and Development Consortium under the DOST-Philippine Council of Agriculture, Aquatic, and Natural Resources Research and Development, the Authority of

...continued on next page

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Freeport Area of Bataan, the Manila Bay Coordinating Office, the National Irrigation Administration-Occidental Mindoro, the Local Government Unit of Carles in Iloilo Province, the Provincial Government of Aurora, the Nueva Vizcaya Provincial Disaster Risk Reduction and Management Office, the municipalities of San Jose and Magsaysay Occidental Mindoro, the Olongapo Electric Cooperative, the Bulacan State University, the Philippine Public Safety College, and the Philippine Disaster Resilience Foundation-selected local government units (LGUs). While the training sessions are generally designed to provide foundational knowledge and skills in GIS utilization and management, these can be tailored to address the specific needs and objectives of the participants, such as project monitoring and evaluation, planning and decision-making, DRRM, and sustainable resource management.

This year saw substantial advancements in the NAMRIA's core functions, including expanded geospatial data coverage, the modernization of digital platforms for improved accessibility, and our continued support for disaster risk reduction, climate change adaptation, and sustainable development. These efforts underscore the Agency's determination to harness the power of geospatial technology in addressing the nation's most pressing challenges and opportunities while strengthening local and international partnerships.

The NAMRIA actively participated in national celebrations and events such as the National Women's Month, the Philippine Civil Service Anniversary, the Maritime and Archipelagic Nation Awareness Month, and the 18-Day Campaign to End Violence Against Women. Several learning and development programs, as well as communication, education, and public awareness (CEPA) campaigns, were specifically designed and conducted in line with, but not limited to, these events.

In February, the NAMRIA officials attended a workshop on developing the NAMRIA Strategic Human Resource Development Plan from 2024-2029. The activity was a proactive initiative aimed at reinforcing the Agency's human resource framework through the collaboration of the NAMRIA's six delivery units.

In May, 14 selected barangays in the Municipality of Laurel and the City of Tanauan, Batangas, benefited from the NAMRIA's series of IEC campaigns on the NAMRIA Mojon Finder Mobile Application. In a separate activity held in September, a webinar on the same topic was conducted, with participants from the public and private sectors. This user-friendly mobile application, designed to enhance access to and facilitate the recovery and

protection of NAMRIA geodetic control points, is one of the Agency's initiatives to improve geospatial information provision by advancing open data sharing.

In September, the NAMRIA conducted theoretical and practical training sessions on the delineation of foreshore areas as part of the implementation of NAMRIA Administrative Order 002-2023, or the Manual on the Delineation of the Mean High Water Line. The activity, attended by officials and personnel of the Department of Environment and Natural Resources (DENR) Regions I, III, and X, equipped participants with the knowledge and skills to map critical coastal boundaries, thereby improving the management and protection of coastal resources.

A webinar on the Integrated Geospatial Information Framework and e-Kapihan Sessions on the NAMRIA's maritime data initiatives and its role in the delineation of municipal waters were also held in September. These events, attended by both public and private stakeholders, highlighted the NAMRIA's significant contributions to these initiatives and underscored its role in advancing geospatial and maritime development.

Also in September was the conduct of a series of Abot-Mapa activities in different LGUs and educational institutions in the National Capital Region. Abot-Mapa is part of the NAMRIA's ongoing efforts to raise public awareness of the significance of hydrography and geomatics in maritime safety, planning, and DRRM for national and local government agencies, as well as promote the Agency's mapping and charting activities, products, and services.

In March and April, some NAMRIA personnel completed training sessions on nautical charting. The S-8 Category B Marine Geospatial Information Programme provided participants with both theoretical knowledge and practical skills to effectively plan and implement nautical chart production. Meanwhile, the S-57 to S-101 Conversion training equipped electronic navigational chart and chart compilers with the necessary competencies for the initial stages of adopting the S-100 standard. The S-100 standard is intended for the development of digital products and services for hydrographic, maritime, and GIS communities.

In July, a five-day comprehensive capability enhancement training was conducted for new NAMRIA tide observers to enhance their knowledge and skills in operating and maintaining tide stations across the country, thus strengthening oceanographic data accuracy and operational efficiency.

Gender and Development



NAMRIA, in partnership with the DENR and other concerned institutions, conducts and participates in various GAD programs/activities. The Agency's GAD program aims to heighten the awareness and understanding of employees and stakeholders on GAD concepts and agenda, such as the protection of children and the enhancement of the role of women in their various endeavors.

Organizational Performance Management

- Accomplished the following for the period:
 - Assessed 2025 Project Folders
 - Prepared and submitted FY 2025 Budget Proposals, NAMRIA Agency Work and Financial Plan, and BEDs
 - Updated medium- and long-term plans
 - Prepared and submitted to the DENR the NAMRIA Office Performance
 - Commitment and Review [PCR] targets and accomplishments
 - Assessed the Branch and Division PCR targets and accomplishments
 - Monitored the submission and reviewed and consolidated the NAMRIA PAPs monthly accomplishment reports
 - Prepared the agency quarterly, semestral, and annual reports and submitted to the oversight agencies
- Facilitated four (4) quarterly Program Review and Analysis and one (1) Annual Management Review and prepared reports
- Conducted six (6) project field or onsite inspections and prepared Field/Onsite Inspection Reports
- Facilitated the formulation and review of operations-related policies and technical manuals
- Spearheaded the capacity building activities and facilitated the establishment of the NAMRIA Research, Development, and Extension (RDE) Group
- Reviewed and assessed the QMS documents and manuals
- Provided support to management activities, including facilitation of the NAMRIA staff meetings and performance management-related meetings/fora

Engineering Development and Management

- Maintained eight (8) buildings (corrective and preventive)
- Implemented major office renovations and development projects
- Established one (1) rainwater harvesting facility at Fort Bonifacio, Taguig City Office
- Performed preventive and corrective maintenance on 36 scientific, technical, and communication equipment
- Performed 53 preventive and 100% corrective maintenance of all NAMRIA vehicles
- Provided transportation services to the Agency officials and employees
- Formulated the NAMRIA Energy and Water Conservation Policy and implemented the energy-saving measures



Maintenance of building facilities



Seminar on Road Safety Education for government drivers

The NAMRIA, in collaboration with institutions such as the Metro Manila Development Authority, Makati Philippine National Police Bomb Squad, and the Department of Information and Communications Technology, conducted courses like Earthquake and Landslide Search and Rescue Orientation Course, Road Safety Education, Bomb Threat Management and Identification Orientations, and Cybersecurity Awareness Seminar for its officials and employees. These emergency preparedness courses equipped the Agency in responding effectively to security threats, thus promoting a culture of safety, resilience, and awareness among the personnel while maintaining the continuity of the NAMRIA's operations.




NAMRIA participant during the conduct of the practical exercises at the MMDA Training Center

Discussions on the Role of Map, Technology, and Youth in Climate Action”, the YG’s pilot IEC campaign aimed to promote climate action awareness while highlighting the importance of maps, technology, and youth in tackling climate change.

Additionally, the NAMRIA achieved a significant milestone with its recertification in ISO 9001:2015 Quality Management System for Mapping and Geospatial Information Management. This recognition underscores the Agency’s dedication to maintaining excellence, efficiency, and reliability in delivering geospatial services to the public.

I wish to express my warm appreciation to the whole NAMRIA family, partners, and stakeholders for your unrelenting commitment and collaboration in producing this 2024 NAMRIA Accomplishment Report for the DENR and oversight agencies. To contribute more to the development of our country and the welfare of our people, the NAMRIA team is resolute in its continuing pursuit of its mission to further geospatial services. Together, we inspire our diverse sectors to innovate and collaborate towards paving the way for a future where every Filipino is geospatially empowered.


Usec. **PETER N. TIANGCO, PhD, CESO I**
Administrator

Several institutions took part in the Gender Sensitivity Training, organized by the NAMRIA Gender and Development Focal Point System, which facilitated discussions on various gender concepts and issues. These institutions include Kapitolyo High School, Gat Andres Bonifacio High School, and Sen. Renato “Compañero” Cayetano Memorial Science and Technology High School, San Lazaro Hospital, and DENR Region IV-A. The Agency also actively supported the celebration of Pride Month.

The NAMRIA Morale and Welfare Program implemented various initiatives through its sub-committees. In August, the Bayanihang Bayan Desk (BBD) participated in the annual Brigada Eskwela, with Dizol Elementary School in San Jose, Nueva Ecija, as its beneficiary. The BBD also organized a Christmas outreach for cancer patients of Bahay Aruga in Manila, providing both monetary and in-kind donations. Meanwhile, the NAMRIA’s Youth Group (YG) under its Youth Desk, celebrated the National Day for Youth in Climate Action in November with senior students from Fort Bonifacio High School. Titled “MAPApaTekTalk KABA-taan para sa Kalikasan?”

Topographic Mapping and Geodetic Reference Frame Development and Management



NAMRIA produces topographic base maps at various scales, in print or digital format, for use by the national government agencies, LGUs, academia, scientific community, and the private sector. They are used as basic tools in development planning, disaster risk reduction and management, and investment and research activities, among others. The maps are regularly updated through the use of aerial photographs and satellite imageries, and conduct of field validation activities. Medium- and small-scale topographic maps (1:50,000 scale and 1:250,000 scale) generally cover large areas, while large-scale topographic maps (1:10,000 scale or larger) generally cover smaller areas but show more details. The NAMRIA likewise produces administrative maps.

The Philippine Geodetic Network needs to be modernized to align with the International Terrestrial Reference Frame in order to provide the public with geodetic controls that will serve as reference points for all surveying and mapping activities in the country.

first week of the following month; and 12 Report on Accountability for Accountable Forms for Official Receipts submitted to the Commission on Audit on the first week of the following month

- Acquired, circulated, and preserved requested information materials with four (4) reports prepared
- Prepared four (4) reports on the Maintenance and Operations of the NAMRIA Surveying and Mapping Museum
- Prepared one (1) FY 2024 Recruitment Plan
- Filled-up 86% (38/44) of identified priority vacant positions
- Conducted 15 trainings (in-house and outsourced)
- Prepared and implemented one (1) FY 2024 Learning and Development (L&D) Plan and Training Calendar
- Processed 100% (131) compensation and benefits documents on time
- Prepared two (2) Summary of Individual Performance Rating

Training-workshop on Formulating Employee Key Performance Indicators



Meeting regarding the agency's assessment plan for Investors in People



Financial and Management Services

- ◆ Financial Management
 - Prepared and processed disbursement vouchers and remittances
 - Prepared and submitted financial reports and statements
 - 12 Financial Statement
 - Four (4) Quarterly Budget and Financial Accountability Reports (BFARs)
 - 12 Financial Performance Reports
 - 12 Status of Funds
- One (1) FY 2025 Agency Budget Proposal prepared and submitted
- Four (4) Quarterly Status Report on Cash Advances Granted and Liquidated
- Prepared and submitted 36 Statement of Bank Reconciliation
- 12 Reports on Property, Plant, and Equipment
- One (1) FY 2025 Budget Execution Document (BED) No. 1 Financial Plan
- One (1) FY 2025 BED No. 3 Monthly Disbursement Plan

The following were accomplished during the year:

General Management and Supervision

- ◆ Formulated agency plans, project development and monitoring of agency performance through the conduct of seven (7) management meetings/fora which include Planning Workshops, Management Review, Physical and Financial Performance Reviews, and preparation of budget proposal
- ◆ Appraised Internal Control System with a total of 21 assessment reports prepared
- ◆ Approved Agency plans, proposals, orders, issuances, and reports
- ◆ Provided legal assistance and review of legal documents
- ◆ Continued partnership and collaboration with other agencies and organizations both local and international
- ◆ Continued further enhancement of the Quality Management System (QMS)
- ◆ Continued the implementation of the Agency's Morale and Welfare Program to ensure the total well-being of employees
- ◆ Ensured the implementation of Quality Workplace Standards through the conduct of 5S Audits
- ◆ Continued the review and enhancement of the Citizen's Charter

NAMRIA Research, Development, & Extension Framework



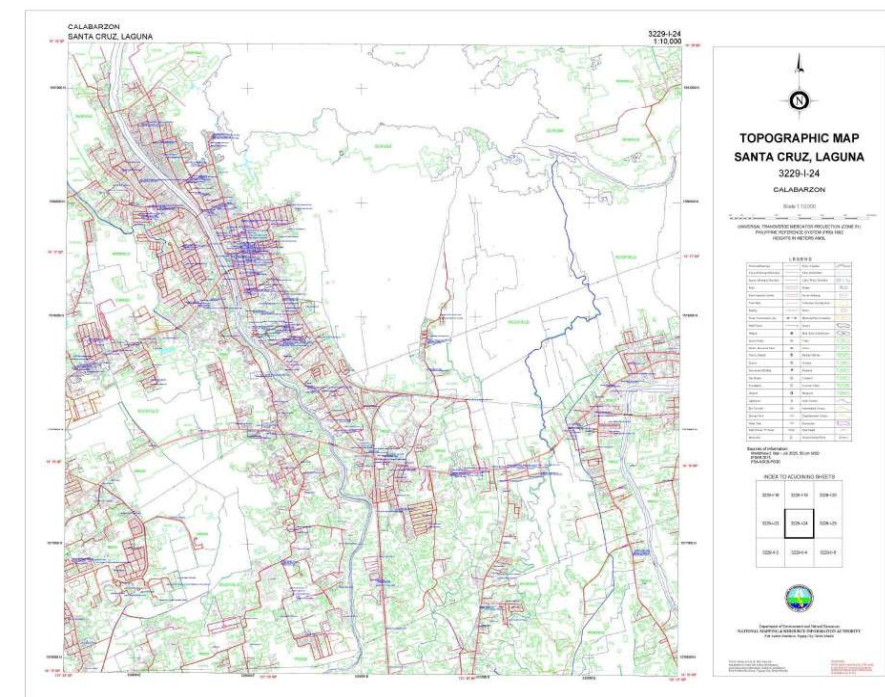
Administrative Support Services

- ◆ Administrative Services and Human Resource Development
 - Prepared one (1) Annual Procurement Plan (APP) for FY-2025 approved and submitted to the oversight agencies on time
 - Prepared one (1) APP for FY 2024 submitted to the Government Procurement Policy Board (GPPB)
 - Prepared one (1) Agency Procurement Compliance and Performance Indicator (APCPI) for FY 2023 procurement transactions and submitted to the GPPB-Technical Support Office
 - Processed 100% (322) of Purchase Requests and 100% of Purchase Orders (195) and Work Orders (127)
- Two (2) Supplier Performance Evaluation Reports prepared
- Received and processed internal and external communications – 100% (2,154) of internal and 100% (5,132) external documents disseminated and processed within the day
- Prepared 100% (213) Report of Checks Issued for List of Due and Demandable Accounts Payable-Advice to Debit Accounts and Check Folders; 12 Report Accountability for Accountable Forms for Checks; 12 Check and Advice to Debit Account Disbursement Record; 24 Report of Collection and Deposits; 12 Summary of Collection and Deposits submitted to the Bureau of Treasury not later than the

The following were accomplished during the year:

Large-Scale Mapping (1:10,000 Scale)

- ◆ Produced 360 map sheets on a scale of 1:4,000 covering the cities of Calamba and San Pablo in Laguna; Borongan in Eastern Samar; and the Municipality of Bongao, Tawi-Tawi
- ◆ Cartographically enhanced 85 map sheets covering the cities of Tagbilaran City, Bohol, and vicinities (15); Tuguegarao City, Cagayan, and vicinities (15); Daet, Camarines Norte and vicinities (15); Naga City, Camarines Sur and vicinities (10); Lingayen, Pangasinan and vicinities (15); and Cauayan and Santiago, Isabela and vicinities (15)
- ◆ Under the Unified Mapping Project (UMP), completed feature extraction for the production of 1,400 topographic maps on a scale of 1:10,000, covering the provinces of Bukidnon, Cavite, Eastern Samar, Laguna, Misamis Occidental, Quezon, Sorsogon, and Tawi-tawi,
- ◆ Geodatabased 250 map sheets covering Calapan City, Oriental Mindoro, and vicinities; Daet, Camarines Norte and vicinities; Lingayen, Pangasinan and vicinities; Naga City, Camarines Sur and vicinities; San Jose, Occidental Mindoro, and vicinities; Tagbilaran City, and vicinities; and Tuguegarao City, Cagayan, and vicinities;

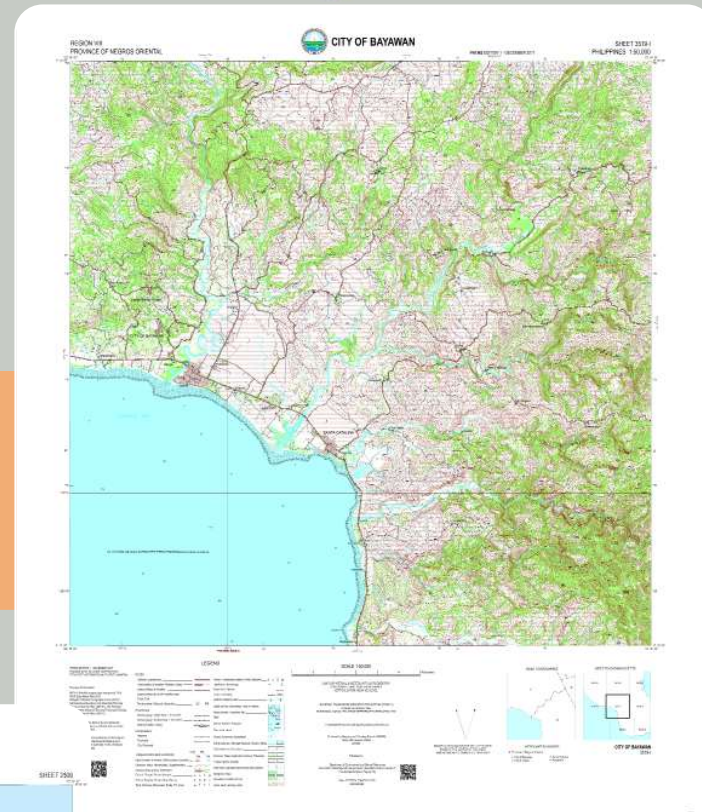


Topographic map of Santa Cruz, Laguna at 1:10,000 scale

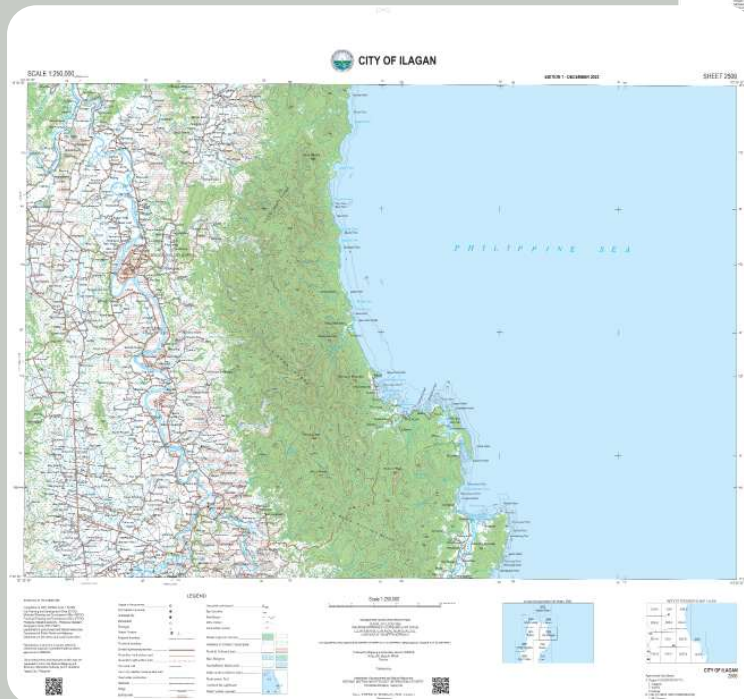
Medium-Scale Mapping (1:50,000 Scale) and Small-Scale Mapping (1:250,000 Scale)

- ◆ For medium-scale mapping, produced 45 map sheets covering Negros Occidental, Negros Oriental, Occidental Mindoro, Oriental Mindoro, Portions of Dinagat Islands, Surigao del Norte, and Surigao del Sur
- ◆ For small-scale mapping, produced five (5) map sheets covering Calbayog City, Dumaguete City, Ormoc City, Puerto Princesa City, and Taytay (covering portions of provinces in Palawan)

Medium-scale topographic map of the city of Bayawan in the Province of Negros Oriental on a scale of 1:50,000



Small-scale topographic map of the City of Ilagan on a scale of 1:250,000



General Administration and Support



General Administration and Support (GAS) are strategic programs covering Organizational Performance Management, Financial Management, Administrative Support Services, and Engineering Development and Management. These programs are the crucial bedrocks to the efficient implementation of NAMRIA's mandated functions. **Organizational Performance Management** encompasses overall strategic planning, annual planning, policy development and implementation, plan and program monitoring and evaluation, and strategic performance management. These activities ensure that NAMRIA's programs, projects, and undertakings are anchored on national thrusts and priorities and implemented efficiently and effectively; and that individual performance is linked with the agency performance, vision, mission, and strategic goals. **Financial Management** involves NAMRIA budget program and guideline formulation, fiscal control, accounting, and management and internal audit. These activities promote sound financial decision making and judicious utilization of government funds for agency operation and public service delivery. **Administrative Support Services** are strategic services on human resource management and development, property and supply management, records management, cash management, and library management. These services provide the necessary office support essential to the performance and accomplishment of the NAMRIA's objectives. **Engineering Development and Management** entails the development, maintenance, and upgrading of buildings, facilities, vehicles, and technical, scientific, and communication equipment. These activities manage the NAMRIA's infrastructure requirements and warrant the availability and functionality of facilities and equipment. The GAS programs are aligned and supportive of the NAMRIA's strategic goals, championing organizational transformation to enhance organizational performance.



Information campaign poster for the Mojon Finder Map Application - A free to download mobile app initiated by the Mapping and Geodesy Geodesy Branch of the NAMRIA designed to enable users to easily locate Geodetic Control Points (GCPs), navigate to and from other GCPs, and download their descriptions

Information and Communications Technology (ICT) Resource Management

- ◆ Performed preventive and corrective maintenance semi-annually to 611 computer systems and maintained one (1) system network at 99.755% operational reliability
- ◆ Completed one (1) ICT research for the Comprehensive NAMRIA e-Governance Implementation Plan

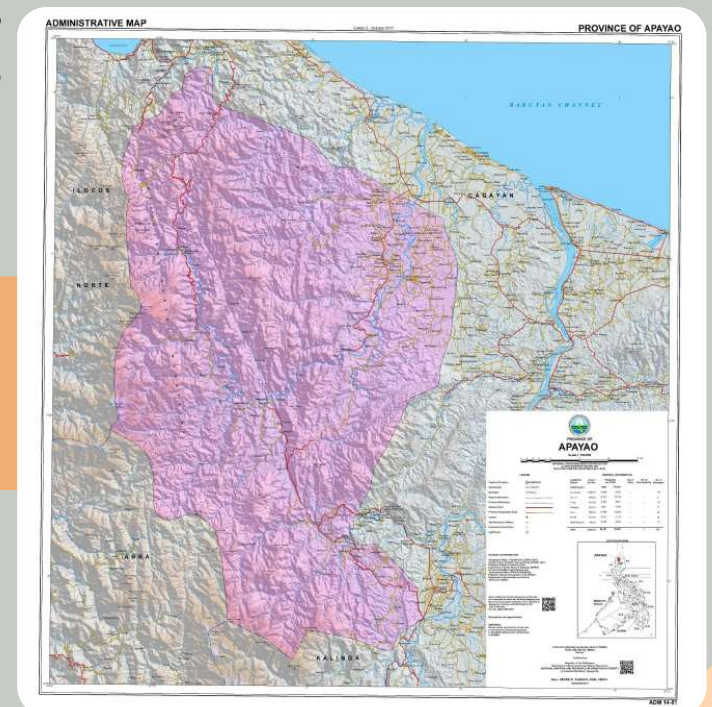


Primer seminar on E-Gov for NAMRIA Managers

Administrative/Special Mapping

- ◆ Produced 12 provincial maps in various scales covering Abra, Apayao, Aurora, Benguet, Camarines Norte, Camarines Sur, Ifugao, Isabela, Kalinga, Mountain Province, Occidental Mindoro, and Oriental Mindoro

Cartographically enhanced administrative map of Apayao Province



Updating of Philippine Gazetteer

- ◆ Updated Geographic Names Database of 10 provinces covering Albay, Bukidnon, Camarines Norte, Camarines Sur, Capiz, Catanduanes, Davao del Norte, Davao del Sur, Rizal, and National Capital Region (2nd District)

Printing of Maps, Charts and Publications

- ◆ Reproduced/printed 135 sets of topographic/administrative maps and nautical charts; 6,000 sheets of the Centennial Calendar; 3,000 pamphlets of the 2025 NAMRIA Planner; 13,000 sheets of the 2025 NAMRIA Calendar; 2,000 booklets of Republic Act (RA) Number (No.) 11313: Safe Spaces Act; 2,000

sheets of the NAMRIA Freedom of Information Manual; 70 pieces of NAMRIA stationery; 2,500 brochures of the NAMRIA GAD Magna Carta of Women (RA 9710); 500 brochures on Geodetic Control Points (GCP); and 125 pieces of signages

Modernization of the Philippine Geodetic Reference System (PGRS)

- ◆ Established three (3) Active Geodetic Stations (AGS) in Digos, Iriga, and Muñoz in Nueva Ecija
- ◆ Selected six (6) AGS sites with proposed locations in Dilasag, Aurora; Maasin City and Bayabay City in Leyte; Mandala, Quirino; and the cities of Kidapawan, North Cotabato and in Koronadal, South Cotabato
- ◆ Maintained 61 AGS
- ◆ Conducted Global Navigation Satellite System (GNSS) observation of 150 benchmarks (BMs) in Region VII and Region VIII
- ◆ Relevelled and adjusted 490 kms (390 outsourced, 100 in-house) first-order BMs in Mindanao, Region III, and Region IV-A
- ◆ Recovered and updated 140 geodetic control points (GCP) in Region IV
- ◆ Densified 500 gravity stations in Region VII and Region VIII
- ◆ Hosted a workshop on the applications of GNSS in collaboration with the UN Office for Outer Space Affairs held at the Sheraton Manila Hotel, Pasay City on 22-26 April 2024



Conduct of releveling in Nueva Ecija

Geospatial Database Development and Maintenance

- ◆ Final database design documents of ProMIS and Marine Geospatial Database
- ◆ Updated the NAMRIA Operations-Support Database (Competency-Based Assessment Management System and NAMRIA Provident Fund Information System) and Geospatial Database (Geoportal and NAMRIA Geospatial Information Management System)
- ◆ Backed-up and maintained existing databases
- ◆ Completed assessment reports based on the results of surveys conducted for LGU GIS Capability Assessment



LGU-GIS assessment for the Province of Misamis Occidental

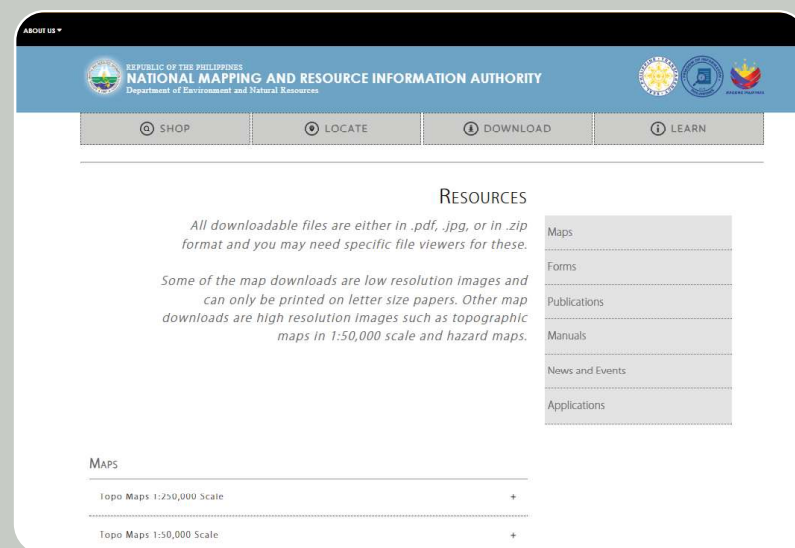
Geospatial Information Services and Production of Information, Education, and Communication (IEC) Materials

- ◆ Packaged and produced four (4) IEC materials (2023 NAMRIA Annual Report, NAMRIA Brochure, Institutional Advertisement, and *Infomapper* Volume XXIX) and 70 agency events covered through the *NAMRIA Newscoop*
- ◆ Conducted 12 IEC campaigns/webinars pertaining to National Women's Month, Philippine Environment Month, National Disaster Resilience Month, Philippine Civil Service Anniversary, National Climate Change Consciousness Week, and requests from other units of NAMRIA for assistance in the conduct of IEC activities
- ◆ Conducted 56 regular/Memorandum of Agreement (MOA)-based trainings on Basic and Advanced GIS using QGIS, and produced the 2023 NAMRIA Geomatics Training Center Training Report
- ◆ Addressed 738 client inquiries via email, phone, and in-person interactions
- ◆ Produced six (6) Client Satisfaction Reports (2023 Client Satisfaction Report, 2023 Product Evaluation Report, and 2024 Quarterly Client Satisfaction Reports)
- ◆ Produced 12 Monthly MSO Sales Reports and one (1) MSO 2023 Sales Report

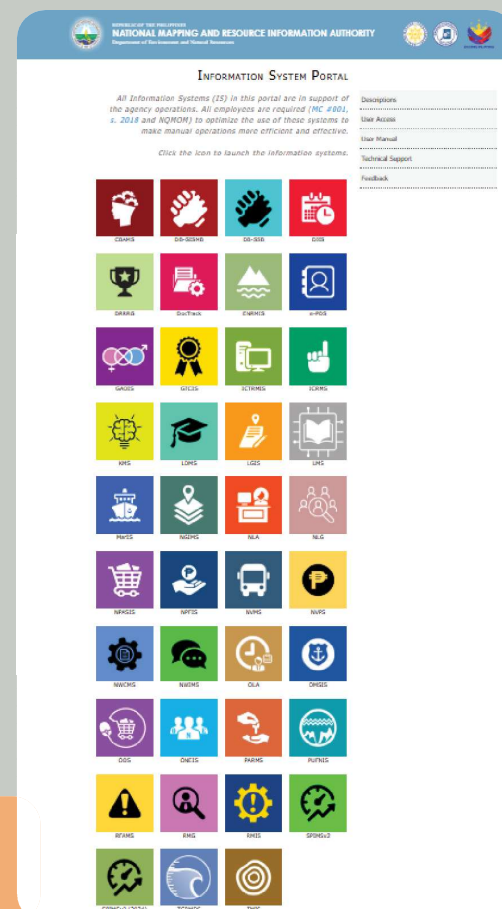
Information System Development and Maintenance

- ◆ Developed the Geoportal Philippines:
Crowdsourcing for geospatial support
- ◆ Developed the following systems for operations support:
 - Project Management Information System (ProMIS)
 - NAMRIA Products and Information System (NPASIS v3)
- ◆ Maintained 38 information systems and continued to update the NAMRIA's website content
- ◆ Monitored the Agency's outcome indicator,
Number of hits/access to the online database:

As of 31 December 2024, the NAMRIA has a total of 575,961 hits against the annual target of 300,000 for its two websites: www.namria.gov.ph (210,325 hits) and www.geoportal.gov.ph (365,636 hits). The huge traffic to the two websites is attributed to continued public interest in the Agency's downloadable contents, such as the NAMRIA layers categorized as open and the Lot Plotter Map Application in the Geoportal Philippines (GP) website. Additionally, the NAMRIA website continues to generate significant hits due to its downloadable maps, publications, and other available resources.

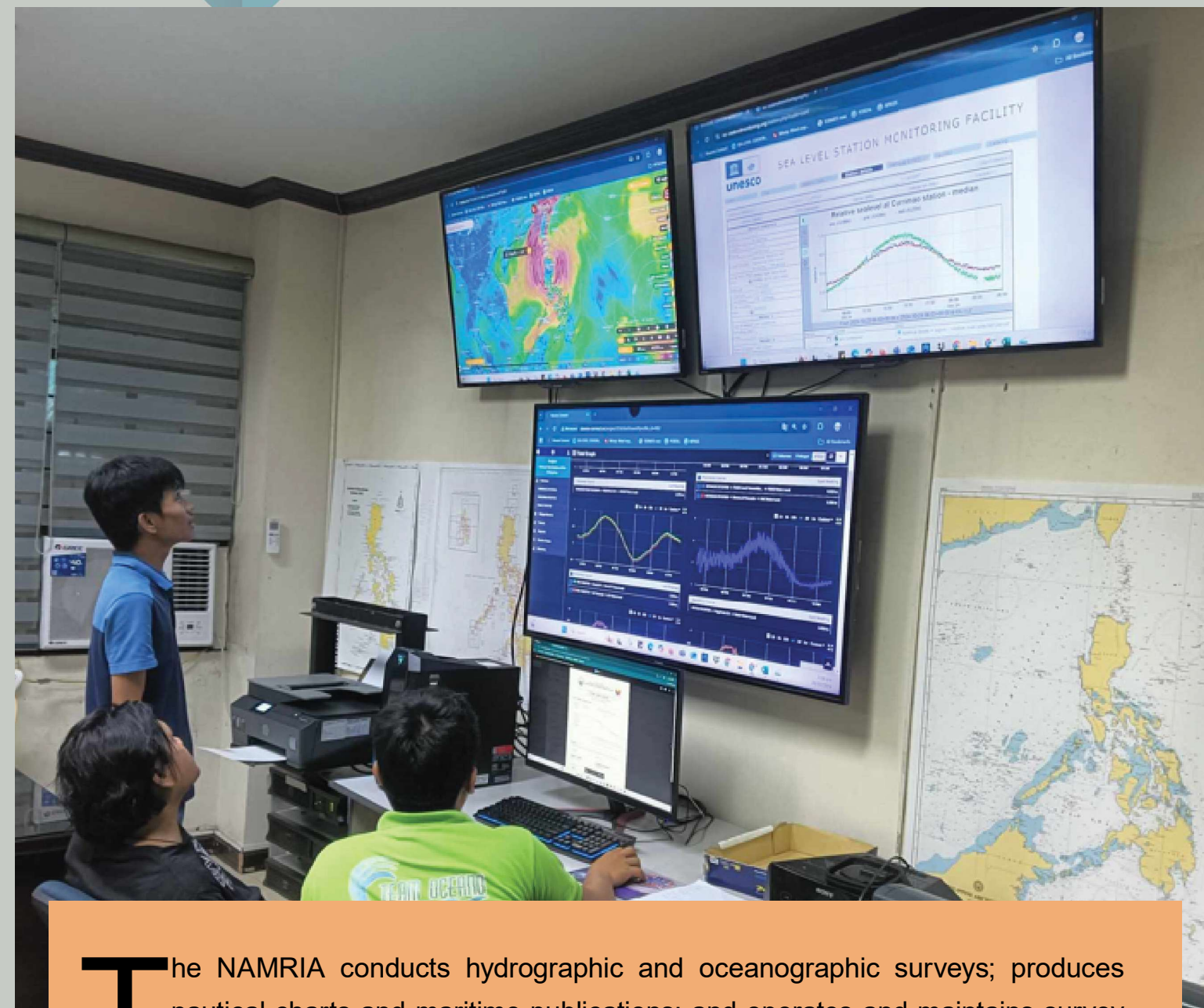


Screenshot of the downloads page of the NAMRIA website with the various contents available to the general public



Screenshot of the NAMRIA IS Portal

Hydrography, Oceanography, Charting, and Maritime Boundaries Mapping

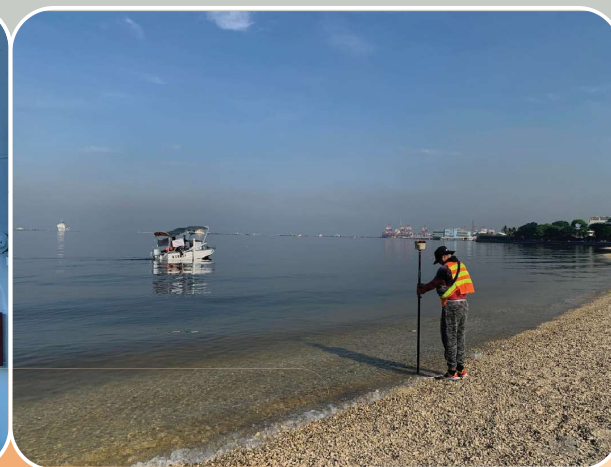
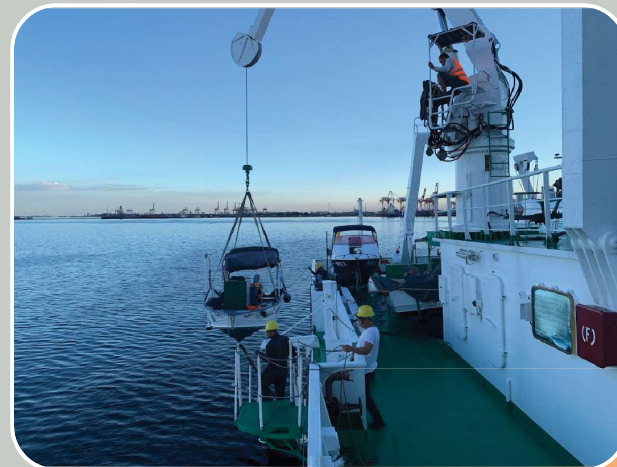


The NAMRIA conducts hydrographic and oceanographic surveys; produces nautical charts and maritime publications; and operates and maintains survey vessels, magnetic observatory, tide stations, and other related facilities. The data generated ensure the safety of navigation, support climate change mitigation and adaptation, and are used to delineate and delimit the country's maritime zones. They also support the requirements for infrastructure development, environmental management, resource exploration, and scientific research.

The following were accomplished during the year:

Hydrographic Surveys

- ◆ Surveyed a total area of 6,029 sq kms Exclusive Economic Zone (EEZ), Extended Continental Shelf, and Regime of Islands and produced one (1) smooth sheet covering the West of Ilocos Region (North of Scarborough Shoal)
- ◆ Surveyed a total area of 1,056 sq kms archipelagic and internal waters and produced one (1) smooth sheet covering Marinduque Island to Burias Pass Survey of Archipelagic Waters and Internal Waters (IW)
- ◆ Produced two (2) smooth sheets covering Buyabod Port in Sta. Cruz Marinduque - 24.52 sq kms, and Manila Bay: Vicinity of Del Pan Bridge and CCP - 67.052 sq kms, in replacement of the target Port of San Andres
- ◆ Maintenance and Operation of Muntinlupa Magnetics Observatory
 - Acquired more than 8,664 hourly values of geomagnetic data and conducted 118 absolute magnetic observations
 - Conducted field geomagnetic observations on 22 magnetic repeat stations
- ◆ Maintenance and Operation of Survey Vessels
 - Performed preventive and corrective maintenance to four (4) survey vessels, namely, BRPH PRESBITERO, BRPH VENTURA, BRPH PALMA, and BRPH HIZON; skiffs; and land-based systems



**Hydrographic survey of Manila Bay
(Vicinity of Delpan Bridge to CCP)**

Geospatial Information Management



NAMRIA's geospatial information management function includes information system strategic planning; geospatial databasing; information and web system development; information and communications technology resource and network management; GIS project collaboration and technical assistance; GIS trainings; packaging of geospatial information products and services; stakeholder relations and partnership development; CEPA activities; and client services.

Coastal Resource Mapping and Assessment

- Produced 14 coastal resource maps covering the provinces of Albay, Biliran, Bohol, Camarines Norte, Camarines Sur, Cavite, Isabela, Leyte, Siquijor, Marinduque, Masbate, Romblon, Zamboanga del Sur, and Zamboanga Sibugay



Coral assessment at Zamboanga del Sur

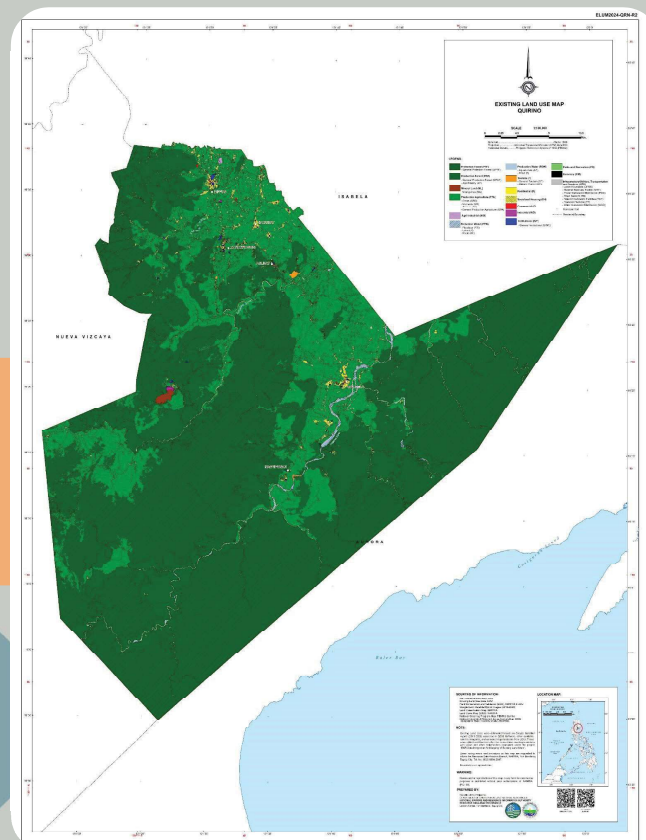


Coral assessment at Camarines Norte using the photo line intercept transect (PLIT) method

ENR Data Integration

- Produced five (4) provincial ENR maps covering Abra, Biliran, Quirino, and South Cotabato

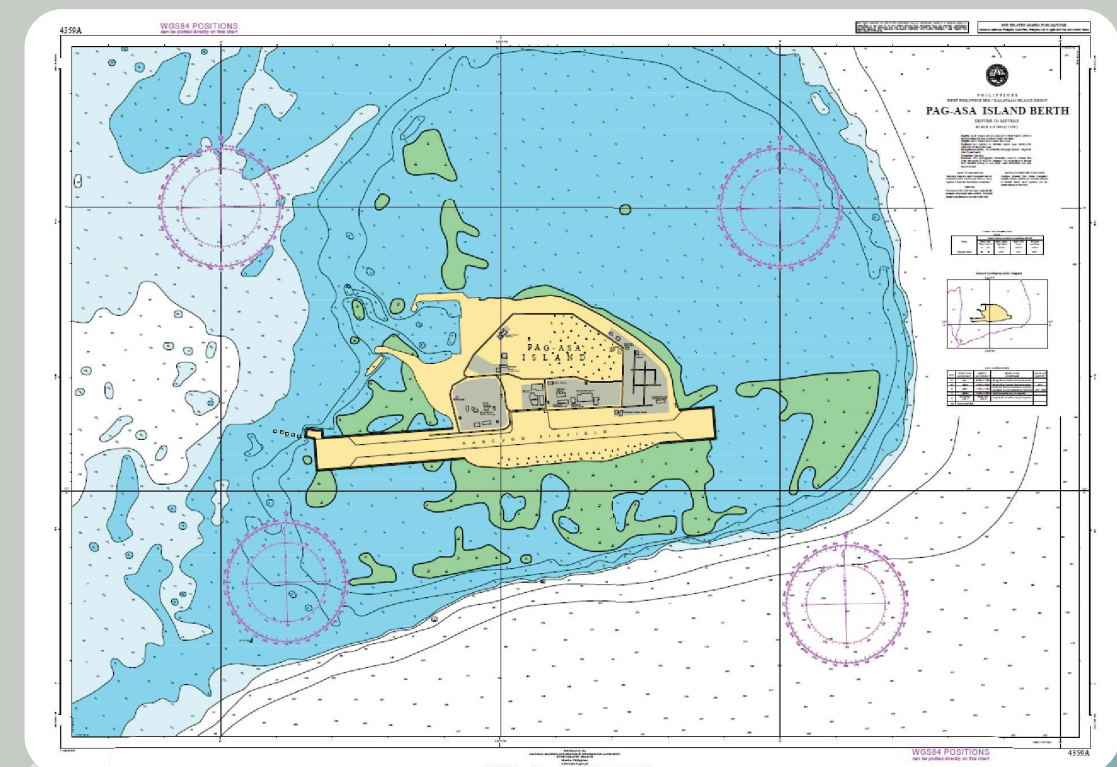
Existing Land Use Map of Quirino



Nautical Charting

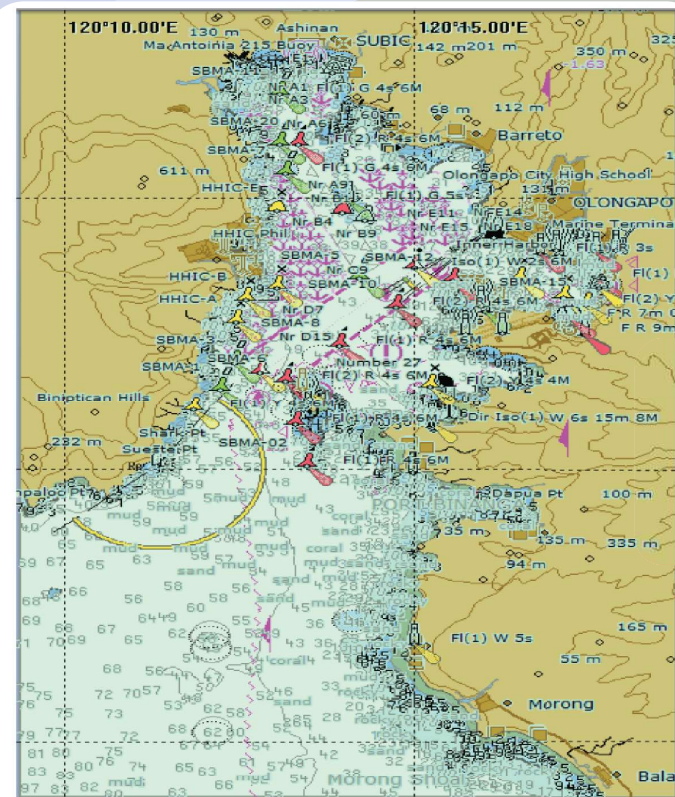
- Compiled and enhanced the following charts:
 - Updated eight (8) Port and Harbor charts covering Mariveles Harbor, Pag-asa Island Berth, Port of Abra de Ilog, Port of Culion, Port of Jagna, Port of Masinloc, Port of Olongapo, and Port of Ormoc
 - Produced two (2) Approach Charts covering Approaches to Pag-asa Islands and Subic Bay
 - Updated 10 Coastal Charts (Chart 1501 - Manila Bay and Approaches, Chart 1502 - Subic Bay to Dasol Bay, Chart 1504 - Candon Anchorage to Cape Bojeador, Chart 1519 - Surigao Strait and Dinagat Sound, Chart 1523 - Davao Gulf, Chart 1530 - Pangutaran

- Group to Tapul Group including Jolo Group, Chart 1534 - Dalungin Point to Blanca Point, Chart 1536 - Initao Point to Butuan Bay, Chart 1545 - Cuyo East Pass, and Chart 1557 - North Balabac Strait)
 - Produced one (1) EEZ Chart (Balabac Strait to Celebes Sea)
 - Produced five (5) General Sailing Charts (Chart 5004 - Siargao Island to Sarangani island, Chart 5005 - Cape San Agustin to Basilan Island, Chart 5007 - Subic Bay to Jintotolo Island, Chart 5016 - Sulu Archipelago to Celebes Sea, and Chart 5017 - Davao Gulf to Philippine Sea)



Enhanced Port and Harbor chart of Pag-asa Island Berth on a scale of 1:5,000

- ◆ Data Compilation and Updating of Electronic Navigational Charts (ENC)
 - Compiled and updated 10 ENC cells (Pag-asa Island Berth, Port of Abra de Ilog, Port of Culion, Port of Jagna, Port of Masinloc, Port of Olongapo, Port of Ormoc, Mariveles Harbor, Pag-asa Islands, and Subic Bay)



- ◆ Research and Development
 - Converted 10 S-57 cells to S-101 cells covering the following areas: Mariveles Harbor, Pag-asa Island, Pag-asa Island Berth, Port of Abra de Ilog, Port of Culion, Port of Jagna, Port of Masinloc, Port of Olongapo, Port of Ormoc, and Subic Bay

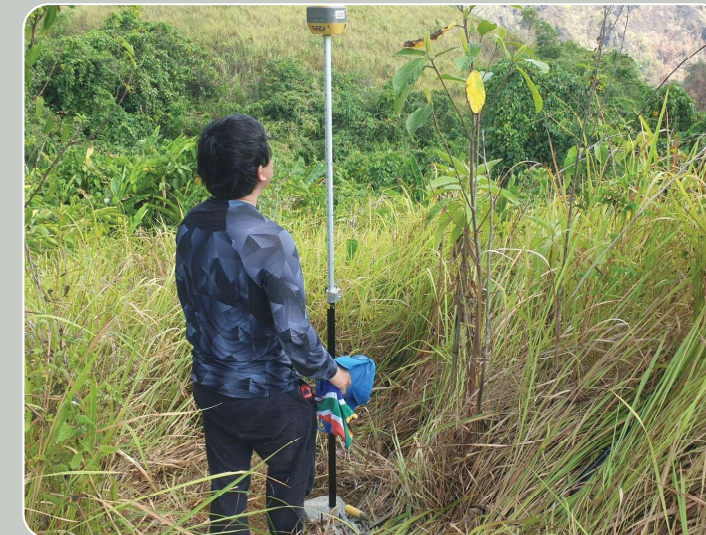
Compiled Master Chart of PH45SBY40- Subic Bay

Delineation of Maritime Zones and Production of Nautical Publications

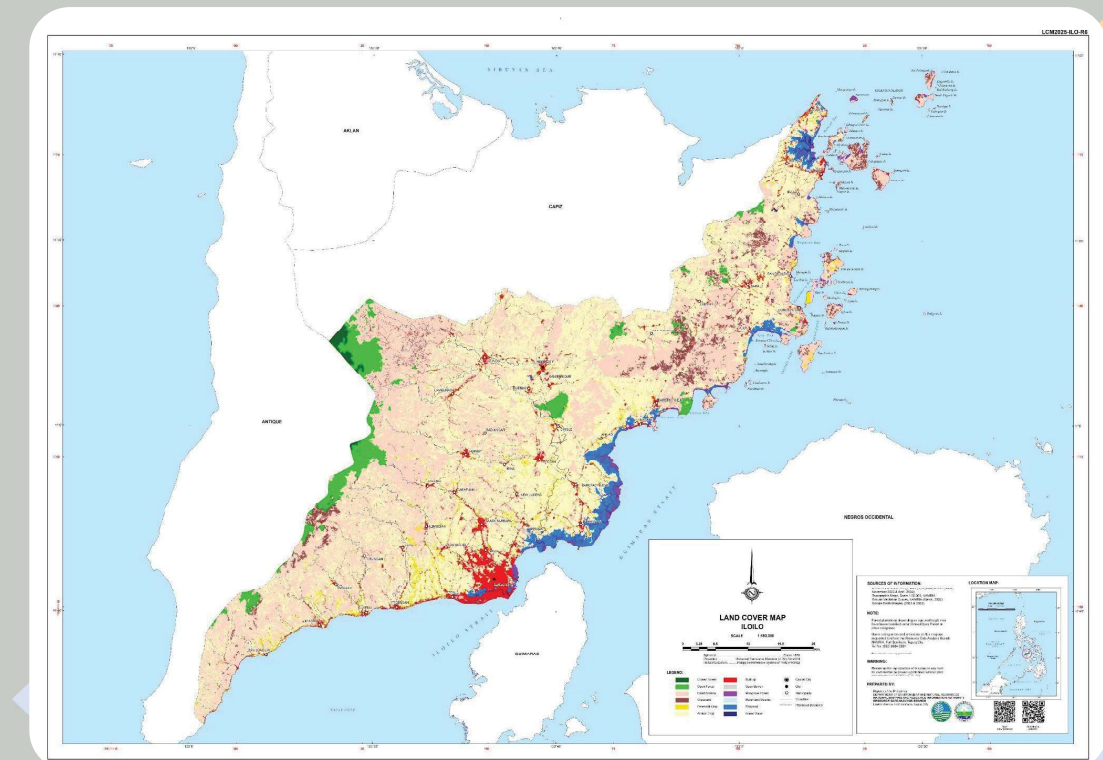
- ◆ Mapping of National Boundaries
 - Produced one (1) Maritime Zones Map covering the whole Philippines
- ◆ Mapping of Municipal Waters (MW)
 - Produced 107 Municipal Water (MW) master maps
 - Produced one (1) catalog with 107 certified MW map updates
- ◆ Mapping of Internal Waters (IW)
 - Produced three (3) 1500 series charts with internal water delineation (Chart 1503, Chart 1507, and Chart 1565)
- ◆ Maritime Safety Information Service (MSI)
 - Reviewed and updated 63 geonames
 - Emailed 100% [405] of Navigational

Land Cover Mapping

- ◆ Produced 14 land cover maps covering the provinces of Aklan, Antique, Bohol, Capiz, Cebu, Iloilo, Leyte, Negros Occidental, Negros Oriental, Siquijor, Southern Leyte, Zamboanga del Norte, Zamboanga del Sur, and Zamboanga Sibugay



LC Survey at Negros Occidental

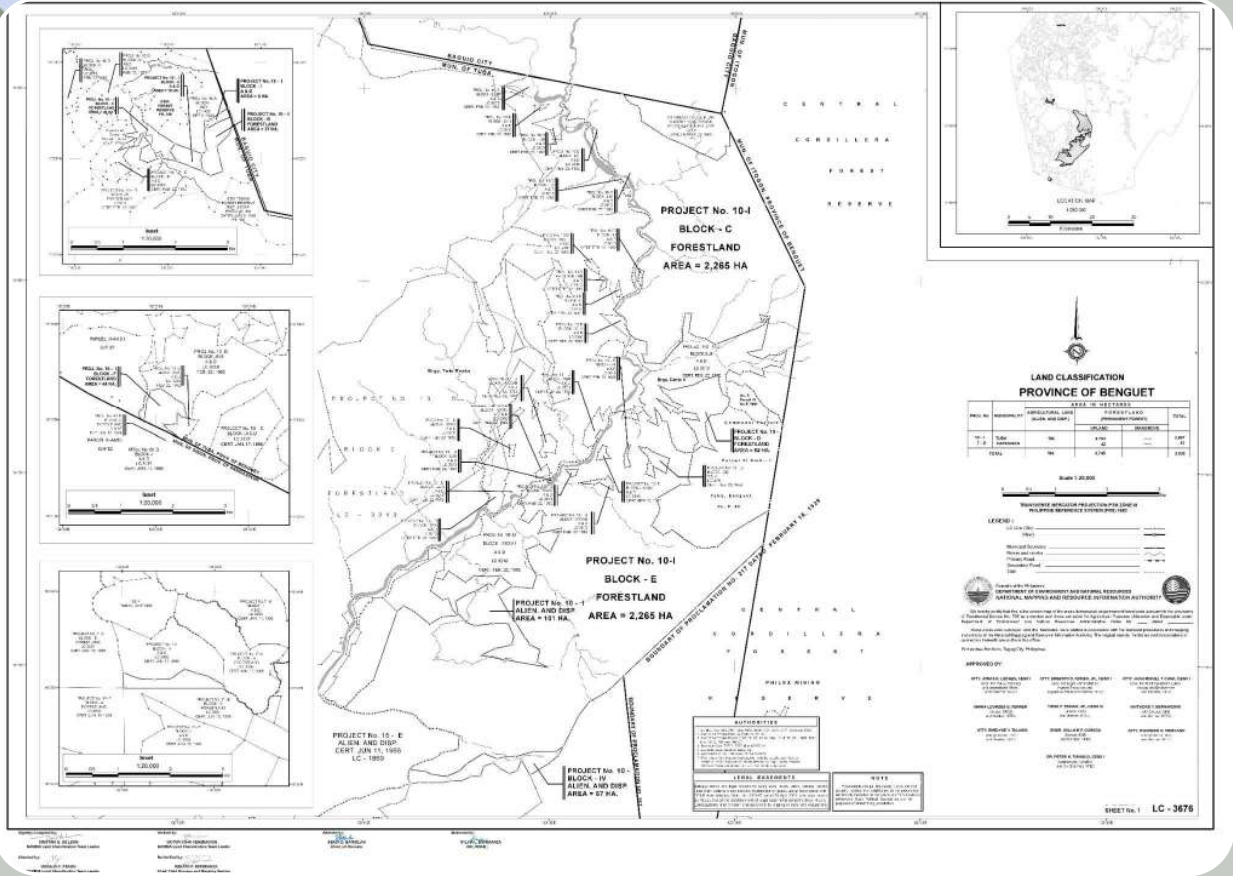


Land Cover Map of Iloilo

The following were accomplished during the year:

Forestland Evaluation and Mapping

- ◆ Surveyed and classified 11 Unclassified Public Forest (UPF) covering a total of 220,517 has in the provinces of Aurora, Benguet, Bukidnon, Leyte, Negros Occidental, Negros Oriental, Pangasinan, and Sorsogon
- ◆ Produced two (2) proposed land classification maps covering the aforementioned provinces as a result of the survey covering 129,622 hectares of forestlands and alienable and disposable lands



Proposed Land Classification (LC) Map of Benguet (LC-3676); The proposed map, due for approval of the National Technical Evaluation Committee, depicts the delineated permanent forestland pursuant to Presidential Decree No. 705 as amended, and those set aside for agricultural purposes (alienable and disposable).

Warnings (NW) to subscribers within 24 hours after approval

- Emailed 12 Notices to Mariners (NTM) to subscribers
- Updated the Online Maritime Safety Information System (OMSIS)
- Published 100% of NW and NM on the NAMRIA website



Conduct of coast pilot verification survey at the Mariveles Old Jetty (top) and Limay Bay Walk (bottom)

- ◆ Production of Nautical Publications
 - Produced one (1) digital publication of NTM
 - Produced one (1) digital publication of product catalog
 - Produced two (2) volumes (1a and 1b) of Philippine Coast Pilot Book (PCB), 8th edition
 - Printed 100 books of 2025 Philippine List of Lights

- ◆ Naming of Undersea Features
 - Updated 117 undersea feature names to the Philippine Undersea Feature Name Information System
- ◆ Hydrospatial Data and Information Management
 - Uploaded the following three (3) datasets: Lights 2023, Marine Protected Areas covering the whole Philippines, and Municipal Waters

Physical Oceanographic Surveys

- ◆ Maintained 60 tide stations located all over the Philippines
- ◆ Obtained various physical oceanographic data (sea level measurement, tidal data, temperature, density, and salinity)
- ◆ Reobserved three (3) subordinate tide stations located in Bonbonon Port, Negros Oriental; Dinagat Islands; and Nasipit Harbor, Agusan del Norte
- ◆ Conducted observation of two (2) current stations in Surigao Strait and Tablas Strait; and two (2) wave stations in Catanduanes and Dinagat Islands
- ◆ Downloaded/retrieved and processed 100% of monthly datasets and updated and maintained the National Oceanographic Data Center
- ◆ Produced the 2025 Tide and Current Tables and printed 2,000 copies
- ◆ Updated tidal information on 26 nautical charts and responded to 100% of client requests



Maintenance of tide station at the Port of Claveria, Cagayan

Resource Assessment and Mapping



NAMRIA conducts nationwide resource assessment and mapping of various thematic geospatial information on land cover, coastal resources, land classification status, existing land uses, and other ENR datasets, among others. The fundamental datasets serve as vital inputs to policy formulation, physical and developmental planning, provision of social services, disaster-risk management, and climate change mitigation and adaptation studies at various levels. The Agency also provides technical assistance to the DENR in support to the Senate of the Philippines and the House of Representatives for the enactment of various legislative measures.