

National Mapping and Resource Information Authority

Physical Performance Report

As of May 31, 2022

Program: Hydrography, Oceanography, Charting, and Maritime Boundaries Mapping						
Key Programs/Activities/Projects (P/A/Ps) and Performance Indicators	TARGETS		ACTUAL	Percentage (%) of Accomplishment	Reason for Under/Over Performance (Variance)	Catch-Up Plan/Strategy for the Third Quarter, FY 2022
	FY 2022 (Annual)	May 1-31 (Second Quarter)	As of May 31, 2022			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
1. Hydrographic Surveys		42.90	41.05	95.69		
A. Hydrographic surveys of the Philippine Waters						
A.1 Data acquisition, processing and packaging						
1.1 Survey of EEZ/ECS/RI	West Philippine Sea and the Regime of Islands/Vicinity of West Luzon/ Vicinity of Coron (4,000 sq km bathy)	2% (preliminary activities) (4,000 sq km)	1.00% (DAP)	50	Ongoing repair of survey vessel.	To conduct the survey activity once the survey vessel becomes operational. Surveyed P&H of Subic while waiting for the availability of one (1) big vessel.
1.2 Survey of Archipelagic and Internal Waters	Coast of Zambales and Bataan/North of Coron/North of Lubang Island/Tayabas Bay-Marinduque/Ragay-Burias/West of Panay/Cuyo East Pass (2,500 sq km bathy)	2.00% (2,500 sq km)	1.15% (466.58 sq km)	57.50	Ongoing data acquisition.	To be completed until the 3rd Quarter of 2022.
1.3 Survey of PHLA	2 Ports and Harbors (P&H)	3.00% (2 P&H)	4.54% (2 P&H)	100		
A.2 Data Quality Control (QC)	12 QC Reports	4.16% (5 QC)	6.66% (7 QC)	100		
B. Maintenance and Operation of Magnetic Observatory						
B.1 Geomagnetic observation at Magnetic Observatory	Minimum of 8310 hourly values Minimum of 108 absolute magnetic observations	4.08% (3,340 hourly values) (45 observations)	4.27% (3,360 hourly values) (49 observations)	100		
B.2 Maintenance of Magnetic Repeat Stations (MRS)	1 MRS established 20 MRS observed	9.50% (10 MRS)	9.50% (10 MRS)	100		
C. Maintenance and operation of survey vessels						
C.1 Preventive maintenance	100% timely implemented (BRPHs Ventura; Presbitero; Hizon; Palma; Land-based systems)	8.34% (100% timely implemented)	8.34% (100% timely implemented)	100		

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
C.2 Corrective maintenance	100% of incidents reported addressed timely	4.16% (100% addressed timely)	4.16% (100% [178] addressed timely)	100		
D. Client Services Management	100% client requests addressed timely	5.66% (100% of client requests addressed)	5.66% (100% [101] of client requests addressed)	100		
	1 System rolledout	(1 System)	(1 System)			
	1 Bathymetric Information System Research Report	(1 Report)	(1 Report)			
E. Policy/Process Reforms	1 Policy (Institutionalization of the Philippine Hydrospatial Survey Priorities (PHSP) and Hydrospatial Survey Grid Index (PHSGI)	-	-			
2. Nautical Charting		41.82	41.32	98.80		
A. Paper chart production						
A.1 Data compilation and/or cartographic enhancement of nautical charts	8 Harbor charts	4.14% (4 charts)	4.42% (4 charts)	100		
	2 Approach charts	0.99% (1 chart)	0.99% (1 chart)	100		
	13 Coastal charts	7.27% (7 charts)	7.60% (7 charts)	100		
	1 EEZ Chart	1.10% (1 chart)	1.20% (1 chart)	100		
	2 General Charts	0.99% (1 chart)	0.99% (1 chart)	100		
	15 Master Charts	2.00% (6 charts)	2.33% (7 charts)			

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B. Electronic Navigational Chart production						
B.1 Data compilation and Update of Electronic Navigational Charts (ENC)	10 Cells	9.00% (5 cells)	9.00% (5 cells)	100		
B.2 Research and Development						
- Preparation of S-57 cells for conversion to S-101 cells	5 Cells	6.35% (3 cells)	5.85% (3 cells)	92.13	Need for alternative study area.	Discuss with HB Management to identify alternative site. If no alternative site is identified, NCD will provide justification for the slippage.
- Pilot test for high density bathymetric ENCs	2 Reports	(1 Report)	(1 Report)			
- Feasibility Study for Gridded ENC Scheme	1 Cell	(1 cell)	(1 cell)			
	2 Reports	(1 Report)	(1 Report)			
	2 Reports	(1 Report)	(1 Report)			
C. Review and quality control of paper charts, manual correction of printed charts						
	26 paper nautical charts	7.88% (10 paper nautical charts)	7.88% (11 paper nautical charts)	100		
	15 paper nautical charts reviewed and quality controlled for Master Chart	(6 Master charts)	(6 Master charts)			
	500 printed nautical charts corrected manually	(200 paper nautical charts manually corrected)	(200 paper nautical charts manually corrected)			
D. Reproduction of nautical publications						
	6,000 copies	-	-			
E. Data provision and client management						
	95% of clients requests acted	2.10% (95% of clients requests acted)	2.10% (95% [20] of clients requests acted)	100		
3. Maritime Publications and Support Services		41.83	41.83	100		
1. Promulgation/Publication of Navigational Warnings (NW) or Notices to Mariners (NTM)	NW emailed to NAVAREA XI Coordinator	41.40%	41.40%	100		
	12 NTMs emailed to clients	(100% NW/5 NTMs)	(100% [145] NW/[5] NTMs)			
2. Publication of Philippine List of Lights (PLL)	2023 Edition of PLL published	29.10%	29.10%	100		
3. Publication of cumulative list of Notices to Mariners (CLNM)	CLNM Manuscript approved	31.20%	31.20%	100		
4. Compilation of Coast Pilot (CP) Manuscript	Vol. II, 8th Edition Manuscript compiled	42.50%	42.50%	100		

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
5. Delineation of Municipal Waters (MW)	24 MW maps of certified municipal water boundary	41.30% (10 MW maps of certified municipal water boundary)	41.30% (10 MW maps of certified municipal water boundary)	100		
	12 charts (15-series) compiled	(5 charts)	(4 charts)			
	100% (84 of 84) technical assistance provided	(100% [35] of LGUs, NGAs)	(100% [37] of LGUs, NGAs)			
6. Delineation of Internal Waters (IW)	20 internal waters map compiled on 15 series charts	37.60% (8 Internal waters map compiled)	37.60% (8 Internal waters map compiled)	100		
	20 internal waters map reviewed on 15 series charts	(6 Internal waters map reviewed)	(6 Internal waters map reviewed)			
7. Delineation of Maritime Zones and Production of Nautical Publications	15 Undersea Features Names (UFN) proposals submitted to SCUFN	73.20% (15 SCUFN forms reviewed)	73.20% (32 SCUFN forms reviewed)	100		
8. Client Services	100% of CSU client requests processed	38.30% (100% of CSU clients requests processed)	38.30% (100% of CSU clients requests processed)	100		
4. Physical Oceanographic Surveys		54.78	54.78	100		
1. Maintenance of tide stations - Annual inspection and releveling	56 stations inspected and releveled	12.63% (24 stations)	16.31% (31 stations)	100		
2. Acquisition of physical oceanographic data						
2.1 Operation of tide stations (Sea level measurements, downloading of tidal data, and temperature, density & salinity measurements)	95% of total no. of tide stations (56)	9.15% (56 stations)	9.15% (56 stations)	100		
2.2 Establishment of new tide stations	3 tide stations established	-	-			
2.3 Re-observation of subordinate tide station	2 stations	-	-			
2.4 Tidal current observation	2 stations	-	-			
2.5 Wave observation	2 stations	-	-			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
3. Data processing, analysis & prediction						
3.1 Processing of Physical oceanographic data						
3.1.1 Tidal data from tide stations	100% of downloaded/retrieved months datasets	20.00% (100% of	20.00% (100% of	100		
3.1.2 Temperature, density and salinity	100% of downloaded/retrieved months datasets	downloaded/retrieved month datasets)	downloaded/retrieved month datasets)			
4. Oceanographic data management						
4.1 Updating and maintenance of NODC						
4.1.1 Implementation of National Oceanographic Data Exchange Service (NODES) project (data rescue and recovery of historical data)	1 Database System	10.00% (1 Database System)	10.00% (1 Database System)	100		
4.1.2 Databasing & archiving of sea level and other physical oceanographic data	100% of downloaded/retrieved months datasets	(100% downloaded retrieved month datasets)	(100% downloaded retrieved month datasets)			
4.1.3 Updating of tidal datum planes	100% of downloaded/retrieved months datasets					
4.2 Preparation of Tide and Current Tables (TCTs)						
4.2.1 Tide & Current Prediction	1 manuscript	2.00% (1 Manuscript)	2.00% (1 Manuscript)	100		
4.2.2 Quality Control	1 manuscript	1.00% (1 Manuscript)	1.00% (1 Manuscript)	100		
4.2.3 Printing	2,000 copies	-	-			
4.3 Provision of tidal information						
4.3.1 Updating of tidal information on nautical charts	41 Nautical charts	-	-			
4.3.2 Provision and certification of oceanographic information	95% of requests acted upon	-	-			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
Program: Topographic Mapping and Geodetic Reference Frame Development and Management						
1. Large-scale Mapping		32.82	32.82	100		
A. Supply and delivery of new-series large-scale orthoimages and topographic maps at scale 1:4,000 using very high-resolution satellite imageries (VHRSI)	360 map sheets	25.00% (Contract awarded and NTP was issued)	25.00% (Contract awarded and NTP was issued)	100		
B. Unified Mapping						
B.1 Supply and delivery of updated large-scale topographic maps at scale 1:10,000	1,500 map sheets	10.00% (Awards, Contracts and NTP issued)	10.00% (Awards, Contracts and NTP issued)	100		
B.2 Quality assessment of 2021 outsourced line maps	1,500 map sheets	13.60% (Data evaluation)	13.60% (Data evaluation)	100		
B.3 Large-scale (1:10,000) topographic database management and cartographic enhancement						
B.3.1. Topographic databasing	250 map sheets	9.67% (121 map sheets)	9.67% (121 map sheets)	100		
B.3.2 Cartographic enhancement	80 map sheets	7.38% (20 map sheets)	7.38% (20 map sheets)	100		
2. Medium and Small-Scale Mapping		39.87	37.38	93.75		
A. Updating of medium and small-scale topographic base maps (1:50,000 & 1:250,000)						
A.1 Evaluation of outsourced line maps and cartographic enhancement (In-house)	40 map sheets quality assessed	18.75% (25 map sheets)	15.00% (20 map sheets)	100		
	45 map sheets enhanced	23.16% (7 map sheet)	23.16% (7 map sheet)	100		
A.2 Feature extraction for 1:50,000 topographic maps (Contract Out)	45 maps heets	32.50% (Contract awarded and NTP issued; 5 Progress Reports)	32.50% (Contract awarded and NTP issued; 5 Progress Reports)	100		

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
A.3 Topographic Database Mapping	18 map sheets (Various areas)	42.00% (7 map sheets)	39.25% (6 map sheets)	93.45	Assisted in the fieldwork activities of the project on the Updating of Philippine Gazetteer.	To finish the fieldwork activities on the 2nd quarter of 2022.
B. Small-Scale Mapping (1:250,000)	5 map sheets	38.76% (Started cartographic editing)	38.76% (Started cartographic editing)	100		
C. Provision of client services	100% client served	2.09% (100% clients served)	2.09% (100% clients served)	100		
3. Updating of the Philippine Gazetteer		35.00	35.00	100		
	Geographic Names Geospatial Database uploaded and encoded for 10 provinces (101 map sheets)	35.00% (62 map sheets processed; 4 peovinces field verified; 1 province field data processed)	22.50% (62 map sheets processed; 5 provinces field verified; 1 province field data processed)	100		
4. Administrative Mapping		43.25	43.25	100		
	12 maps (10 provincial; 2 regional)	41.15% (4 map sheets enhanced)	41.15% (4 map sheets enhanced)	100		
	100% client served	2.10% (100% clients served)	2.10% (100% clients served)	100		
5. Map Printing and Reproduction		31.03	27.95	90.07		
1. Printing and reprinting of topographic, administrative maps & nautical charts	130 maps/charts spot color separated 130 maps/charts printed Special Publications: 3,000 shts Centennial Calendar 2,000 pamplets 2023 Planner	28.93% (60 sets of spot color maps/charts color separated) (34 sets of quality printed maps/charts delivered)	25.85% (50 sets of spot color maps/charts color separated) (34 sets of quality printed maps/charts delivered)	89.35	No work orders were received from Photogrammetry and Cartography Divisions.	Slippage will be addressed by the end of June 2022.

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	13,000 sheets 2023 Calendar 100% client served	2.10% (100% clients served)	2.10% (100% clients served)	100		
6. Modernization of the Philippine Geodetic Reference System (PGRS)		40.50	40.50	100		
1. Establishment of AGS	3 AGS (Outsource)	1.00% (Contract awarded)	1.00% (Contract awarded)	100		
2. AGS Site selection	6 Sites	8.00% (4 sites)	8.00% (4 sites)	100		
3. Maintenance of AGS	55 AGS (Outsource)	7.05% (15 AGS)	7.05% (15 AGS)	100		
4. Validation of Philippine Geoid Model	150 BMs	8.00% (60 BMs)	8.00% (60 BMs)	100		
5. Releveling of BMs	600 kms (Outsource)	3.00% (Description prepared)	3.00% (Description prepared)	100		
	50 kms (In-house)	2.00% (Description prepared)	2.00% (Description prepared)	100		
6. GCP recovery and updating	100 GCPs	2.00% (Prep. of travel documents)	2.00% (Prep. of travel documents)	100		
Densification of gravity stations (GS)	500 GS	5.20% (200 GS)	5.20% (200 GS)	100		
7. Uploading to NGIMS of Geodetic Reference datasets	3 AGS 650 BMs	- -	- -			
8. Client Service	100% client served	1.25% (100% client served)	1.25% (100% [2,798] client served)	100		
8. Finalization of PGD 2020 Reports	2 Reports	2.00% (2 Reports)	2.00% (2 Reports)	100		
9. Preparation of DENR MC on PGD 2020	1 DENR MC	1.00% (MC submitted to DENR)	1.00% (MC submitted to DENR)	100		
10. Dialogue with PGRS Stakeholders	1 Forum	-	-			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
Program: Resource Assessment and Mapping						
1. Forestland Evaluation and Mapping		41.50	41.50	100		
Land Classification of Unclassified Public Forest (UPF) areas	4 preliminary maps of UPF sites 2 Proposed LC maps (for NTEC deliberation/approval of Secretary)	40.00% (3 preliminary maps prepared; 1 UPF site surveyed; 1 UPF site mapped)	40.00% (3 preliminary maps prepared; 1 UPF site surveyed; 1 UPF site mapped)	100		
	100% clients served	1.50% (100% client served)	1.50% (100% [110] client served)	100		
2. Land Cover Mapping		30.00	30.00	100		
	13 provinces	29.00% (13 provinces preliminary data analyzed)	29.00% (13 provinces preliminary data analyzed)	100		
	100% clients served	1.00% (100% client served)	1.00% (100% client served)	100		
3. Coastal Resource Mapping and Assessment		51.60	51.60	100		
	10 provinces	51.60% (8 provinces field surveyed; 4 provinces accuracy assessed)	51.60% (8 provinces field surveyed; 4 provinces accuracy assessed)	100		
4. ENR Data Integration (Geospatial Data Integration)		26.00	26.00	100		
	5 provinces	25.00% (5 provinces preliminary data prepared)	25.00% (5 provinces preliminary data prepared)	100		
	100% clients served	1.00% (100% client served)	1.00% (100% client served)	100		
5. Participatory Mapping of Existing Land Uses		25.00	25.00	100		
	1 province	25.00% (Preliminary data prepared)	25.00% (Preliminary data prepared)	100		

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
Program: Geospatial Information Management						
1. Information System Development and Maintenance		28.25	27.50	97.35		
1. System Analysis	4 Systems	12.00% (4 systems)	11.50% (4 systems)	95.83	The System Requirements Analysis Report (SRAR) for Strategic Performance Information Management System ver 3 (SPIMsv3) was not yet completed pending submission of sample Performance Commitment and Review (PCR) templates with data in standard format from Policy and Planning Division (PPD) and Administrative Division-Human Resource Management Section (AD-HRMS).	To be completed by the end of June 2022.
2. System Design	4 Systems	5.00% (4 systems)	4.75% (4 systems)	95	The draft System Design Document (SDD) for SPIMsv3 was partially completed pending submission of sample PCR templates with data in standard format from PPD and AD-HRMS.	To be completed by the end of June 2022.
3. Application Development	5 Applications	9.25% (1 system)	9.25% (1 system)	100		
4. System Implementation	5 Systems	-	-			
5. System Maintenance	36 Systems	2.00% (2 systems)	2.00% (2 systems)	100		
2. Geospatial Database Development and Maintenance		31.40	30.90	98.41		
1. Database design	2 Databases	20.00% (2 databases)	19.50% (2 databases)	97.50	The final Database Design Document (DDD) for SPIMsv3 was not completed pending submission of sample PCR templates with data in standard format from PPD and AD-HRMS.	To be completed by the end of June 2022.
2. Database Maintenance Buildup	2 Updated Databases	7.00% (2 databases)	7.00% (2 databases)	100		
3. Database maintenance	1 Database maintained	4.15% (1 database)	4.15% (1 database)	100		

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4. Research and Analysis of existing geospatial databases - Proposal for the Integration of existing Operations Support Databases 5. LGU-GIS Capability Assessment 6. Philippine Integrated Geospatial Information Management (PIGIM) 7. Technical Support	Report on Design and Development Enterprise Portal Assessment Report Report Technical Support Report	- - 0.25% (1 Report) -	- - 0.25% (1 Report) -	 100 		
3. Geospatial Information Services and Production of NAMRIA Information, Education, and Communication Materials		34.86	34.86	100		
1. Media Production and Packaging	4 NAMRIA IEC materials published 100% events covered through published NAMRIA Newscoop (NN)	7.50% (1 NAMRIA IEC) (100% NN published)	7.50% (1 NAMRIA IEC) (100% [7] NN published)	100		
2. Information dissemination and documentation	5 IEC campaign/webinar conducted 100% tour of facilities requests served (as need arises) 1 set up photo exhibit 100% requests served for photo and video documentation (as need Arises)	8.36% (2 IEC campaign) (1 photo exhibit) (100% photo and video requests served)	8.36% (2 IEC campaign) (1 photo exhibit) (100% [4] photo and [2] video requests served)	100		
3. Geomatics Training	100% regular/special/MOA-based/In-house/ On-line training programs conducted (as need arises) 2021 NGTC Training Report submitted	7.75% (100% training programs conducted) (1 Report)	7.75% (100% [5] training programs conducted) (1 Report)	100		

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4. Client Services	100% clients served through e-mail, phoned-in, and walk-in queries in CSS, MSO, and IEC (as need arises) 6 Reports submitted Concept paper on the Integrated Client Services 12 Monthly Sales Reports submitted 2021 MSO Sales Report submitted	11.25% (100% clients served) (3 Reports) (5 Sales Reports) (2021 MSO Sales Report)	11.25% (100% [4,578] clients served) (3 Reports) (5 Sales Reports) (2021 MSO Sales Report)	100		
4. Information and Communications Technology Resource Management		37.90	37.90	100		
1. Maintenance of computer system	1 Updated list of ICT equipment	-	-			
2. ICT Equipment maintenance	100% of computer systems (563) maintained semestrally A minimum of 95% operational monthly	20.45% (563 computer systems) (=>95% operational)	20.54% (568 computer systems) (99.993% operational)	100		
3. Network/Datacenter Maintenance and Administration	1 Network system operational at a minimum of 95% monthly	14.10% (=>95% operational)	14.10% (99.889% operational)	100		
4. ICT Research and Analysis	1 Case Study	1.25% (Abstract)	1.25% (Abstract)	100		
- Technology case study for NAMRIA Deployment and Utilization						
- ICT Resource Management Information System (ICTRM IS) Maintenance	1 ICTRM IS maintained	2.10%	2.10%	100		

APPROVED BY:

Certified Correct By:


Usec. PETER N. TIANGCO, PhD, CESO I
 Department/Agency Head


XENIA R. ANDRES
 Head, Planning Unit


NOEL R. VEGA
 Head, Finance Unit