

National Mapping and Resource Information Authority

Physical Performance Report

As of January 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 Second Quarter, FY 2022
	FY 2022 (Annual)	January 1-31 (First Quarter)	As of January 31, 2022			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
1. Hydrographic Surveys		8.02	8.02	100		
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 sqkm bathy)	0.50% (Field Project Instruction)	0.50% (Field Project Instruction)	100		
1.2 Survey of AMIW	Coast of Zambales and Bataan/North of Coron/North of Lubang Island/Tayabas Bay-Marinduque/Ragay-Burias/West of Panay/Cuyo East Pass	0.50% (Field Project Instruction)	0.50% (Field Project Instruction)	100		
1.3 Survey of PHLA	2 Ports and Harbors	1.00% (Field Project Instruction)	1.00% (Field Project Instruction)	100		
A.2 Data Quality Control	9 P&H bathy areas	0.50% (1 P&H)	0.50% (1 P&H)	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	0.69% (456 hourly values) (9 observations)	0.69% (456 hourly values) (9 observations)	100		
B.2 Maintenance of Magnetic Repeat Stations (MRS)	20 MRS observed	-	-			
C. Maintenance and operation of survey vessels						
C.1 Preventive maintenance	100% timely implemented (BRPHs Ventura; Presbitero; Hizon; Palma; Land-based systems)	1.67% (100% timely implemented)	1.67% (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	0.83% (100% addressed timely)	0.83% (100% [8] addressed timely)	100		
D. Client Services Management	100% client requests addressed timely	2.33% (100% of client requests addressed)	2.33% (100% [8] of client requests addressed)	100		
	1 System rolledout	-	-			
	1 Bathymetric Information System Research Report	(1 Report)	(1 Report)			
E. Policy/Process Reforms (Institutionalization of the Philippine Hydrospatial Survey Priorities (PHSP) and Hydrospatial Survey Grid Index (PHSGI)	1 Policy	-	-			
2. Nautical Charting		0.53	0.53	100		
1. Data compilation and/or cartographic enhancement of nautical charts	8 Harbor charts	0.92% (4 charts)	0.92% (4 charts)	100		
	2 Approach charts	0.26% (1 chart)	0.26% (1 chart)	100		
	13 Coastal charts	1.62% (7 charts)	1.62% (7 charts)	100		
	1 EEZ Chart	0.30% (1 chart)	0.30% (1 chart)	100		
	2 General Charts	0.27% (1 chart)	0.27% (1 chart)	100		
	15 Master Charts	-	-			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
2. Data compilation and Update of Electronic Navigational Charts (ENC)						
2.1 ENC Cell	10 Cells	2.00% (5 cells)	2.00% (5 cells)	100		
2.2 Research and Development		1.09%	1.09%	100		
- Preparation of S-57 cells for conversion to S-101 cells	5 Cells	(3 cells)	(3 cells)			
- Pilot test for high density bathymetric ENCs	2 Reports	(1 Report)	(1 Report)			
- Feasibility Study for Gridded ENC Scheme	1 Cell	-	-			
	2 Reports	(1 Report)	(1 Report)			
	2 Reports	-	-			
3. Manual correction and quality control of paper nautical charts		0.13%	0.13%	100		
	26 paper nautical charts reviewed and quality controlled	-	(7 paper nautical charts)			
	15 paper nautical charts reviewed and quality controlled for Master Chart	-	-			
	500 printed nautical charts corrected manually	(40 charts corrected)	(96 charts corrected)			
4. Reproduction of nautical publications	6,000 nautical charts	-	-			
5. Data provision and client management		0.40%	0.40%	100		
	95% of clients requests served	(95% of clients requests served)	(95% of clients requests served)			
3. Maritime Publications and Support Services			7.00	100		
1. Promulgation/Publication of Navigational Warnings (NW) or Notices to Mariners (NTM)	NW emailed to NAVAREA XI Coordinator 12 NTMs emailed to clients	8.10% (100% NW/1 NTMs)	8.10% (100% [10] NW/[1] NTMs)	100		
2. Publication of Philippine List of Lights (PLL)	2023 Edition of PLL published	5.80%	5.80%	100		
3. Publication of cumulative list of Notices to Mariners (CLNM)	CLNM published	6.20%	6.20%	100		
4. Compilation of Coast Pilot (CP) Manuscript	Vol. II, 8th Edition Manuscript compiled	7.20%	7.20%	100		

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	FY 2022 (Annual)	January 1-31 (First Quarter)				
	(1)	(2)	(3)	(4)		
5. Delineation of Municipal Waters (MW)	100% (84 of 84) technical assistance provided	8.20% (100% of LGUs, NGAs)	8.20% (100% [7] LGUs, NGAs)	100		
6. Delineation of Internal Waters (IW)	20 internal waters map compiled on 15 series charts	3.30% (15 series charts collated)	3.30% (15 series charts collated)	100		
7. Delineation of Maritime Zones and Production of Nautical Publications	15 Undersea Features Names (UFN) proposals submitted to SCUFN	10.60% (15 undersea features selected)	10.60% (15 undersea features selected)	100		
8. Client Services	100% of CSU client requests processed	6.60% (100% of CSU clients requests processed)	6.60% (100% of CSU clients requests processed)	100		
4. Physical Oceanographic Surveys		2.16	2.16	100		
1. Maintenance of tide stations - Annual inspection and releveing	56 stations inspected and releveled	-	-			
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)	1.83% (56 stations)	1.83% (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	-	-			
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	-	-			
3.1.2 Temperature, density and salinity	100% of downloaded/retrieved months datasets	-	-			

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	(1)	(2)	(3)	(4)		
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	-	-			
4.1.2 Databasing & archiving of sea level and other physical oceanographic data	100% of downloaded/retrieved months 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	-	-			
4.2.2 Quality Control	1 manuscript	-	-			
4.2.3 Printing	2,000 copies	-	-			
4.3 Provision of tidal information						
4.3.1 Updating of tidal information on nautical charts	7 Nautical charts	-	-			
4.3.2 Provision and certification of oceanographic information	95% of requests acted upon	-	-			
Program: Topographic Mapping and Geodetic Reference Frame Development and Management						
1. Large-scale Mapping		11.68	11.68	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	20.00% (Prep. of TOR & bid docs.)	20.00% (Prep. of TOR & bid docs.)	100		
B. Unified Mapping						
B.1 Supply and delivery of updated large-scale topographic maps at scale 1:10,000	1,500 map sheets	-	-			

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	(1)	(2)	(3)	(4)		
B.2 Quality assessment of 2021 outsourced line maps	1,500 map sheets	1.70% (Data evaluation)	1.70% (Data evaluation)	100		
B.3 Large-scale (1:10,000) topographic database management and cartographic enhancement						
B.3.1. Topographic databasing	250 map sheets	1.67% (25 map sheets)	1.67% (25 map sheets)	100		
B.3.2 Cartographic enhancement	80 map sheets	-	-			
2. Medium and Small-Scale Mapping		4.45	4.45	100		
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	3.75% (5 map sheets quality assessed/data evaluated)	3.75% (5 map sheets quality assessed/data evaluated)	100		
	45 map sheets enhanced					
A.2 Feature extraction for 1:50,000 topographic maps (Contract Out)	45 maps heets	5.00% (Ongoing bidding process)	5.00% (Ongoing bidding process)	100		
A.3 Topographic Database Mapping	18 map sheets (Various areas)	4.00% (1 map sheet)	4.00% (1 map sheet)	100		
B. Small-Scale Mapping (1:250,000)	5 map sheets	5.00% (8 map sheets data gathered)	5.00% (8 map sheets data gathered)	100		
C. Provision of client services	100% client served	0.42% (100% clients served)	0.42% (100% clients served)	100		

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
3. Updating of the Philippine Gazetteer		3.75	3.75	100		
	Geographic Names Geospatial Database uploaded and encoded for 10 provinces (101 map sheets)	3.75% (12 map sheets processed)	3.75% (12 map sheets processed)	100		
4. Administrative Mapping		4.80	4.80	100		
	12 maps (10 provincial; 2 regional) = 235 map sheets	4.38% (30 map sheets data gathered, integrated and generalized)	4.38% (30 map sheets data gathered, integrated and generalized)	100		
	100% client served	0.42% (100% clients served)	0.42% (100% clients served)	100		
5. Map Printing and Reproduction		4.11	4.11	100		
1. Printing and reprinting of topographic, administrative maps & nautical charts	130 maps/charts printed	3.69% (12 sets of maps/charts reproduction works)	3.69% (12 sets of maps/charts reproduction works)	100		
	Special Publications: 3,000 shts Centennial Calendar 2,000 pamphlets 2023 Planner 13,000 sheets 2023 Calendar 100% client served	0.42% (100% clients served)	0.42% (100% clients served)	100		
6. Modernization of the Philippine Geodetic Reference System (PGRS)		18.25	18.25	100		
1. Establishment of AGS	3 AGS (Outsource)	1.00% (Prep. of bid documents)	1.00% (Finished bidding)	100		
2. AGS Site selection	6 Sites	4.00% (Prep. of travel documents)	4.00% (Prep. of travel documents)	100		
3. Maintenance of AGS	55 AGS (Outsource)	2.25% (Prep. of bid documents)	2.25% (Finished bidding)	100		
4. Validation of Philippine Geoid Model	150 BMs	2.00% (Prep. of travel documents)	2.00% (Prep. of travel documents)	100		
5. Releveling of BMs	600 kms (Outsource)	3.00% (Prep. of bid documents)	3.00% (Prep. of bid documents)	100		
	50 kms (In-house)	2.00% (Prep. of travel documents)	2.00% (Prep. of travel documents)	100		

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
6. Densification of gravity stations and GCP maintenance	500 GS 100 GCPs	2.00% (Prep. of travel documents) 2.00% (Prep. of travel documents)	2.00% (Prep. of travel documents) 2.00% (Prep. of travel documents)	100 100		
7. Uploading to NGIMS of Geodetic Reference datasets	3 AGS 650 BMs	- -	- -			
8. Finalization of PGD 2020 Reports	2 Reports		(1 Report)			
9. Preparation of DENR MC on PGD 2020	1 DENR MC	-	-			
10. Dialogue with PGRS Stakeholders	1 Forum	-	-			
Program: Resource Assessment and Mapping						
1. Forestland Evaluation and Mapping		5.00	5.00	100		
Land Classification of Unclassified Public Forest (UPF) areas	2 Proposed LC maps (for NTEC deliberation/approval of Secretary)	5.00% (Preliminary map preparation)	5.00% (Preliminary map preparation)	100		
2. Land Cover Mapping		3.00	3.00	100		
	13 provinces	3.00% (5 provinces data gathered)	3.00% (5 provinces data gathered)	100		
3. Coastal Resource Mapping and Assessment		4.80	4.80	100		
	10 provinces	4.80% (2 provinces preliminary data prepared)	4.80% (2 provinces preliminary data prepared)	100		

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
4. ENR Data Integration (Geospatial Data Integration)		5.00	5.00	100		
	5 provinces	5.00% (2 provinces preliminary data prepared)	5.00% (2 provinces preliminary data prepared)	100		
5. Participatory Mapping of Existing Land Uses		5.00	5.00	100		
	1 province	5.00% (Preliminary data prepared)	5.00% (Preliminary data prepared)	100		
Program: Geospatial Information Management						
1. Information System Development and Maintenance		6.65	6.65	100		
1. System Analysis	4 Systems	4.00% (4 systems)	4.00% (4 systems)	100		
2. System Design	4 Systems	-	-			
3. Application Development	5 Applications	2.25% (1 system)	2.25% (1 system)	100		
4. System Implementation	5 Systems	-	-			
5. System Maintenance	36 Systems	0.40% (2 systems)	0.40% (2 systems)	100		
2. Geospatial Database Development and Maintenance		5.83	5.83	100		
1. Database design	2 Database	4.00% (2 database)	4.00% (2 database)	100		
2. Database Maintenance Buildup	2 Updated Databases	1.00% (2 database)	1.00% (2 database)	100		
3. Database maintenance	1 Database maintained	0.83% (1 database)	0.83% (1 database)	100		
4. Research and Analysis of existing geospatial databases - Proposal for the Integration of existing Operations Support Databases	Report on Design and Development Enterprise Portal	-	-			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
5. LGU-GIS Capability Assessment	Assessment Report	-	-			
6. Philippine Integrated Geospatial Information Management (PIGIM)	Report	-	-			
7. Technical Support	Technical Support Report	-	-			
3. Geospatial Information Services and Production of NAMRIA Information, Education, and Communication Materials		5.45	5.45	100		
1. Media Production and Packaging	4 NAMRIA IEC materials published 100% events covered through published NAMRIA Newscoop (NN)	- -	- -			
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)	- - - -	- - - -			
3. Geomatics Training	100% regular/special/MOA-based/In-house/ On-line training programs conducted (as need arises) 2021 NGTC Training Report submitted	2.00% - (1 Report)	2.00% - (1 Report)	100		
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	3.45% (100% clients served) (2 Reports) - (1 Sales Report)	3.45% (100% [711] clients served) (2 Reports) - (1 Sales Report)	100		

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
4. Information and Communications Technology Resource Management		5.33	5.33	100		
1. Maintenance of computer system	1 Updated list of ICT equipment	-	-			
2. ICT Equipment maintenance	100% of computer systems (563) maintained semestraly	2.09%	2.09%	100		
	A minimum of 95% operational monthly	(=>95% operational)	(99.999% operational)			
3. Network/Datacenter Maintenance and Administration	1 Network system operational at a minimum of 95% monthly	2.82%	2.82%	100		
		(=>95% operational)	(99.985% operational)			
4. ICT Research and Analysis						
- Technology case study for NAMRIA Deployment and Utilization	1 Case Study	-	-			
- ICT Resource Management Information System (ICTRM IS) Maintenance	1 ICTRM IS maintained	0.42%	0.42%	100		

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