

National Mapping and Resource Information Authority
Physical Performance Report
As of August 31, 2021

Program: Hydrographic and Oceanographic Surveys and Nautical Charting						
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 Fourth Quarter, FY 2021
	FY 2021 (Annual)	August 1-31 (Third Quarter)	As of August 31, 2021			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
1. Hydrographic Surveys		50.28	49.99	99.42		
A. Hydrographic surveys of the Philippine Waters						
1. Survey planning	10 Field Project Instructions (FPIs)	2.50% (10 FPIs)	2.50% (10 FPIs)	100		
	10 Data Acquisition Plan or Processing (DAPs)	2.50% (10 DAPs)	2.50% (10 DAPs)	100		
2. Data acquisition, processing and packaging						
a. Exclusive Economic Zone (EEZ)	West Philippine Sea/Moro Gulf (4,000 sqkm)	-	-			
b. Archipelagic Waters/Sealanes (AW)	Tayabas Bay-Ragay Gulf-Sorsogon Bay	-	-			
c. Ports and Harbors (P & H)	8 PH	7.17% (6 P&H)	7.56% (7 P&H)	100		
d. Data Quality Control	4,000 sq km of EEZ	0.50% (4,000 sq km of EEZ)	0.50% (4,000 sq km of EEZ)	100		
	5,000 sq km of AW	0.50% (5,000 sq km of AW)	0.50% (5,000 sq km of AW)	100		
	8 P&H areas	2.50% (5 P&H areas)	2.50% (5 P&H areas)	100		
B. Maintenance and Operation of Magnetic Observatory						
1. Field geomagnetic observation of magnetic repeat stations (MRS)	21 MRS	3.86% (12 MRS)	3.22% (10 MRS)	83.42	Survey activity for August 2021 was not conducted due to temporary suspension of fieldwork owing to the imposition of ECQ/MECQ.	Continue observation for remaining period.
2. Continuous geomagnetic data acquisition	7776 hourly values of geomagnetic data	3.04% (5,184 hourly values)	3.12% (5,314 hourly values)	100		

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3. Absolute magnetic observation at magnetic observatory	96 absolute magnetic observations	1.04% (64 observations)	1.07% (66 observations)	100	Maintenance affected by outbreak of COVID-19 onboard BRPH VENTURA.	Personnel cleared of COVID-19 are reporting back to work.
4. Maintenance of MRS	1 FY 2022 PM Plan; 100% timely implementation	1.36% (100% timely implemented)	1.36% (100% timely implemented)	100		
C. Maintenance and operation of survey vessels	(BRPHs VENTURA; PRESBITERO; HIZON; PALMA; Single Beam Skiff; Land-based systems)	20.16%	20.12%	99.80		
1. Platform availability/deployment	100% of Platforms scheduled for survey available/deployed (1 survey platform per scheduled survey)	1.79%	1.79%	100		
D. Client management	100% of clients requests addressed	3.36% (100% [259] clients addressed)	3.36% (100% [259] clients addressed)	100		
2. Nautical Charting		63.46	62.92	99.15		
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts	77.50% (8 charts)	82.38% (8 charts)	100	No chart plots were available for review.	The target paper nautical charts for review and quality control will be accomplished at the end of the year.
	2 Approach charts	70.00% (2 charts)	94.00% (2 charts)	100		
	13 Coastal charts	71.50% (13 charts)	80.98% (13 charts)	100		
	1 EEZ Chart	50.00% (1 chart)	50.00% (1 chart)			
	2 General Charts	70.00% (2 charts)	70.00% (2 charts)	100		
	15 Master Charts	68.00% (15 charts)	68.00% (15 charts)	100		
2. Data compilation and Update of Electronic Navigational Charts (ENCs)	10 ENCs	70.00% (10 charts)	70.00% (10 charts)	100		
3. Manual correction of printed nautical charts	26 paper nautical charts	68.00% (17 paper nautical charts)	65.85% (16 paper nautical charts)	96.84		
	15 paper nautical charts for Master Chart	(10 Master Charts)	(10 Master Charts)			
	100% [900] printed nautical charts manually corrected	(100% [612] printed nautical charts manually corrected)	(100% [612] printed nautical charts manually corrected)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
4. Reproduction of nautical publications	6,000 nautical charts 2,000 copies (2022 TCTs)	48.00% (2,880 nautical charts) (960 copies of TCTs)	48.00% (2,880 nautical charts) (960 copies of TCTs)	100		
3. Maritime Publications and Support Services		59.17	58.74	99.27		
1. Promulgation/Publication of Navigational Warnings (NW) or Notices to Mariners (NTMs)	NW emailed to NAVAREA XI Coordinator 12 NTMs emailed to clients	66.70% (100% NW/8 NTMs)	66.70% 100% [144] NW/[8] NTMs)	100		
2. Publication of Philippine List of Lights (PLL)	2022 Edition of PLL published	46.60%	46.60% (Manuscript updated with 73 light corrections from January to July 2021 NTMs)	100		
3. Publication of Cumulative List of Notices to Mariners (CLNM)	CLNM published	46.60%	46.60% (Manuscript updated with 49 chart correction notices from January to July 2021 NTMs)	100		
4. Publication of Philippine Coast Pilot (PCP) Book	Volume II, 7th Edition published	62.00%	62.00%	100		
5. Compilation of Coast Pilot Manuscript	8th Edition Manuscript compiled	61.60%	58.60%	95.13	Survey activity for August 2021 was not conducted due to temporary suspension of fieldwork owing to the imposition of ECQ/MECQ.	Survey activity was rescheduled for the first week of September 2021.
6. Delineation of Municipal Waters (MW)	100% (80 of 80) technical assistance provided	66.60% (100% of LGUs, NGAs assistance provided)	66.60% (100% [56] LGUs, NGA assistance provided)	100		
7. Delineation of International Maritime Zones and Other Maritime Areas	20 internal waters map compiled 2 baseline maps of WPS features	64.10% (14 internal waters map compiled) (1 baseline map compiled) (12 internal waters map and 1 baseline map reviewed)	64.10% (14 internal waters map compiled) (1 baseline map compiled) (12 internal waters map and 1 baseline map reviewed)	100		

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
4. Physical Oceanographic Surveys		63.90	63.90	100		
1. Maintenance of tide stations - Annual inspection and releveling	47 stations inspected and relevelled	18.08% (34 stations)	22.87% (43 stations)	100		
2. Acquisition of physical oceanographic data						
2.1 Operation of tide stations (Sea-level measurements, downloading of tidal data, and temperature, density and salinity measurements)	92% of total number of tide stations (50)	13.32% (92 % of 50 stations)	13.32% (92 % of 50 stations [46])	100		
2.2 Establishment of new tide stations	7 tide stations established					
3. Data processing, analysis and prediction						
3.1 Processing of physical oceanographic data (Tidal data from tide stations, temperature, density and salinity)	100% of downloaded/retrieved datasets processed	12.50% (100% of downloaded/retrieved month datasets processed)	12.50% (100% of downloaded/retrieved month datasets processed)	100		
4. Oceanographic data management						
4.1 Updating and maintenance of National Oceanographic Data Center (Implementation of National Oceanographic Data Exchange Service (NODES) Project (data rescue and recovery of historical data; Databasing and archiving of sea level and other physical oceanographic data; Updating of tidal datum planes)	1 Database System 100% of downloaded/retrieved month datasets	10.00% (100% of downloaded/retrieved and processed datasets)	10.00% (100% of downloaded/retrieved and processed datasets)	100		
4.2 Preparation of Tide and Current Tables (TCTs)						
- Tide and Current Prediction manuscript	1 manuscript	5.00% (1 Manuscript)	5.00% (1 Manuscript)	100		

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
- Quality Control	1 manuscript	2.00% (1 Manuscript)	2.00% (1 Manuscript)	100		
- Printing	2,000 copies	3.00% (2,000 copies of TCTs)	3.00% (2,000 copies of TCTs)	100		
4.3 Provision of tidal information						
- Updating of tidal information on nautical charts	41 Nautical charts		(36 Nautical charts)			
- Provision and certification of oceano- graphic information	100% of requests acted upon		(37 clients)			
Program: Topographic Mapping and Geodetic Network						
1. Large-Scale Mapping		45.38	45.38	100		
a. Production of new series large-scale orthoimages and topographic base maps at scale 1:4,000	360 mapsheets	25.00% (Contract awarded and Notice to Proceed [NTP] issued)	63.20% (Contract awarded and NTP issued; Contractor for Cluster 11 delivered project outputs as follows: a) One set Image Control Points (ICP) adjusted and final coordinates in Philippine Traverse Mercator (PTM) and Universal Traverse Mercator (UTM) projections using PRS92; b) One set Tabulation of resulting Root Mean Square Error (RMSE) indicating the number of check points or tie points used in orthorectification with corres- ponding residual errors; c) One set 30 cm. pan-sharpened orthoimage mosaics covering urban areas of Baguio City, La Trinidad, Tublay, Sablan, and Itogon, Benguet)	100		

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b. Unified Mapping						
b.1 Updating and cartographic enhancement of large-scale 1:10,000 topographic maps	1,500 mapsheets	10.00% (Contract awarded and NTP issued)	16.90% (Contract awarded and NTP issued; Contractors of 12 project clusters have delivered raw data and processed orthoimages from Very High-Resolution Satellite Imageries (VHRSI) of selected urban areas for use of updating and cartographic enhancement)	100		
b.2 Quality assessment of 2020 outsourced line maps	1,800 mapsheets	26.80% (data evaluation; attribute validation and verification)	26.80% (data evaluation; attribute validation and verification)	100		
b.3 Large-scale (1:10,000) topographic database management and cartographic enhancement						
a. Topographic databasing	300 mapsheets	15.00% (225 map sheets)	15.00% (225 map sheets)	100		
b. Cartographic enhancement	55 mapsheets	13.97% (31 map sheets cartographic edited; 22 map sheets inspected)	13.97% (31 map sheets cartographic edited; 22 map sheets inspected)	100		
2. Medium-and Small-Scale Mapping		70.90	70.90	100		
A. Medium-Scale Mapping (1:50,000)						
A.1 In-house (Feature extraction evaluation of vector data and cartographic enhancement)	45 mapsheets	71.41% (24 cartographically enhanced draft maps; 24 maps for mass production)	71.41% (24 cartographically enhanced draft maps; 24 maps for mass production)	100		
A.2 Contract-Out (Feature extraction without enhancement)	40 mapsheets	75.46% (11 Progress Reports)	75.46% (11 Progress Reports)	100		
B. Small-Scale Mapping (1:250,000)	5 maps	67.00% (Symbolization; cartographic editing and map layouting)	67.00% (Symbolization; cartographic editing and map layouting)	100		

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
3. Updating of the Philippine Gazetteer		68.91	68.91	100		
A. Topographic Database Mapping	24 mapsheets	66.63% (15 maps)	72.77% (17 maps)	100		
B. Updating of the Philippine Gazetteer Project	Geographic Names Geospatial Database uploaded/encoded with 11 provinces	71.18% (8 provinces)	71.18% (8 provinces)	100		
4. Administrative Mapping		81.50	81.50	100		
	12 maps (7 provincial; 5 regional)	81.50% (cartographic enhancement, field verification, updating/final editing)	81.50% (cartographic enhancement, field verification, updating/final editing)	100		
5. Map Printing and Reproduction		59.50	59.50	100		
1. Printing and reprinting of topographic maps, administrative maps, and nautical charts	80 maps/charts printed Special Publications: 5,000 sheets Centennial Calendar 3,000 pamphlets 2022 Planner	59.50% (60 sets of maps/charts color separated; 49 sets of maps/charts printed; 5,000 sheets Centennial Calendar printed)	64.00% (69 sets of maps/charts color separated; 49 sets of maps/charts printed; 5,000 sheets Centennial Calendar printed)	100		
6. Modernization of the Philippine Geodetic Reference System (PGRS)		77.00	68.31	88.71		
1. Establishment of Active Geodetic Stations (AGS)	3 AGS (Outsourced)	4.00% (1 AGS)	4.00% (1 AGS)	100		
2. AGS Site selection	6 Sites	10.00% (6 sites)	10.00% (6 sites)	100		
3. Maintenance of AGS	52 AGS (Outsourced)	12.50% (35 AGS)	9.50% (25 AGS)	76	Delayed implementation of contract due to voluminous number of outsourced projects.	Monitoring of contract implementation for continuous conduct of activities for the project.
4. Geodetic Control Points (GCPs) re- observation	135 GCPs	10.00% (135 GCPs)	10.00% (135 GCPs)	100		
5. Validation of Philippine Geoid Model	100 GCPs	7.50% (70 GCPs)	6.00% (50 GCPs)	80	Survey activity for August 2021 was not conducted due to temporary suspension of fieldwork owing to the imposition of ECQ/MECQ.	Rescheduled fieldwork for September and October 2021.

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
6. Releveling of Benchmarks (BMs)	620 kms (Outsourced)	7.00%	13.00%	100		
		(300 kms)	(620 kms)			
	100 kms (In-house)	7.00%	5.26%	75.14	Survey activity for August 2021 was not conducted due to temporary suspension of fieldwork owing to the imposition of ECQ/MECQ.	Fieldwork rescheduled for September 2021.
		(100 kms)	(67 kms)			
7. Densification of Gravity Stations (GS) and GCP maintenance	800 GS	9.00%	6.55%	72.78	Survey activity for August 2021 was not conducted due to temporary suspension of fieldwork owing to the imposition of ECQ/MECQ.	Fieldwork activities were adjusted on the succeeding months to catch up with the target.
		(700 GS)	(455 GS)			
	100 GCPs	10.00%	10.00%	100		
		(100 GCPs)	(100 GCPs)			
8. Uploading to NAMRIA Geospatial Information Management System (NGIMS) of Geodetic Reference datasets	3 AGS					
	137 GCPs					
Program: Resource Assessment and Mapping						
1. Forestland Evaluation and Mapping		74.75	74.75	100		
Land Classification of Unclassified Public Forest (UPF) areas	8 preliminary maps of UPF sites	74.75%	74.75%	100		
		(5 provincial LC maps accuracy assessed; 4 provincial LC maps databased)	(5 provincial LC maps accuracy assessed; 4 provincial LC maps databased)			
2. Land Cover Mapping		49.44	49.44	100		
	18 preliminary land cover maps	49.44%	49.44%	100		
		(18 provinces preliminary data analysed; 9 provinces accuracy assessed; 5 provinces output presented)	(18 provinces preliminary data analysed; 9 provinces accuracy assessed; 5 provinces output presented)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
3. Coastal Resource Mapping and Assessment		77.00	77.00	100		
	12 preliminary coastal resource maps	77.00% (12 provinces accuracy assessed and image validated; 6 provinces output presented)	77.00% (12 provinces accuracy assessed and image validated; 6 provinces output presented)	100		
4. ENR Data Integration (Geospatial Data Integration)		70.50	70.50	100		
	10 index and integrated maps of Geospatial ENR Datasets	70.50% (10 provinces preliminary mapped; 7 provinces data processed; 5 provinces final mapped and databased)	58.50% (9 provinces preliminary mapped and processed; 5 provinces final mapped and databased)	100		
5. Participatory Mapping of Existing Land Uses		75.00	75.00	100		
	1 Existing land use map	75.00% (1 province field validated and data edited)	75.00% (1 province field validated and data edited)	100		
Program: Geospatial Information System Management						
1. Information System Development & Maintenance		59.50	59.50	100		
1. System Analysis	5 Systems	12.00% (5 systems)	12.00% (5 systems)	100		
2. System Design	4 Systems	10.00% (4 systems)	10.00% (4 systems)	100		
3. Application Development	5 Applications	16.50% (4 systems)	16.50% (4 systems)			
4. System Implementation	5 Systems					
5. System Maintenance	33 Systems	21.00% (33 systems)	21.00% (33 systems)	100		

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
2. Geospatial Database Development & Maintenance		69.64	69.64	100		
1. Database Design	3 Databases	30.00% (3 databases)	30.00% (3 databases)	100		
2. Database Buildup	2 Database buildup	13.00% (1 database)	13.00% (1 database)	100		
3. Database maintenance	1 Database	6.64% (1 database)	6.64% (1 database)	100		
4. Research and Analysis of existing geospatial databases	Research and Analysis Report	5.00% (1 Report)	5.00% (1 Report)	100		
5. LGU GIS Capability Assessment	Assessment Report	10.00% (1 Report)	10.00% (1 Report)	100		
6. Technical Support (Training and other technical support)	Technical Support Report	5.00% (1 Report)	5.00% (1 Report)	100		
3. Geospatial Information Services and Production of NAMRIA Information, Education, and Communication (IEC) Materials		56.10	56.10	100		
1. Media Production and Packaging	4 NAMRIA IEC materials published 100% events covered through published NAMRIA Newscoop (NN)	14.00% (3 NAMRIA IEC materials) (100% events covered through Newscoop)	14.00% (3 NAMRIA IEC materials) (100% [19] events covered through Newscoop)	100		
2. Information dissemination and documentation	2 IEC campaign/webinar conducted 100% tour of facilities requests served 1 map and technology exhibit	11.80% (1 IEC campaign/webinar)	19.75% (3 IEC campaign/webinar) (1 virtual tour of facilities)	100		
3. Geomatics Training	100% requests served for photo and video documentation 100% regular/special/MOA-based/online training programs conducted 2020 NGTC Training Report submitted	13.50% (100% requests for photo and video documentation) (100% regular/special/ MOA-based/online) (1 Training Report)	13.50% (100% [4] photo and [9] video documentation) (100% [11] regular/special/ MOA-based/online) (1 Training Report)	100		


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4. Client Services	100% clients served 6 Reports submitted 12 Monthly Sales Reports submitted 2020 MSO Sales Report submitted 4 MSO Inventory Report submitted	16.80% (100% clients served) (4 Reports) (8 Sales Reports) (2020 MSO Sales Report) (2 MSO Inventory Reports)	16.80% (100% [4,830] clients) (4 Reports) (8 Sales Reports) (2020 MSO Sales Report) (2 MSO Inventory Reports)	100		
4. Information and Communications Technology (ICT) Resource Management		64.24	64.24	100		
1. Maintenance of computer system	1 Updated list of ICT equipment 100% of computer systems (556) maintained semestraly A minimum of 95% operational monthly	31.72% (834 computer systems) (=>95% operational)	32.93% (901 computer systems) (99.99% operational)	100		
2. Network/Datacenter Maintenance and Administration	1 Network system operational at a minimum of 95% monthly	26.66% (=>95% operational)	26.66% (99.74% operational)	100		
3. ICT Research and Analysis - Technology case study for NAMRIA Deployment and Utilization - ICT Resource Management Information System (ICTRMIS) Maintenance	1 Case Study 1 ICTRMIS	2.50% (Abstract; Data gathering) 3.36%	2.50% (Abstract; Data gathering) 3.36%	100 100		

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