

National Mapping and Resource Information Authority

Physical Performance Report

As of September 30, 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)	September 1-30 (Third Quarter)	As of September 30, 2021			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
1. Hydrographic Surveys		62.64	61.15	97.62		
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	0.50% (Data acquisition)	-	0	Technical expert for the repair of BRPH Presbitero can only be available in October. Repair of controllable Pitch Propeller expected to start by mid of fourth quarter.	To deploy Catamaran vessels in October.
c. Ports and Harbors (P & H)	8 PH	11.66% (8 P&H)	11.66% (8 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	3.00% (6 P&H areas)	3.00% (6 P&H areas)	100		
B. Maintenance and Operation of Magnetic Observatory						
1. Field geomagnetic observation of magnetic repeat stations (MRS)	21 MRS	5.15% (16 MRS)	4.83% (15 MRS)	93.79	Survey activities were affected by COVID-19 travel restrictions.	Continue observation for remaining period.
2. Continuous geomagnetic data acquisition	7776 hourly values of geomagnetic data	3.42% (5,832 hourly values)	3.57% (6,082 hourly values)	100		

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3. Absolute magnetic observation at magnetic observatory	96 absolute magnetic observations	1.17% (72 observations)	1.22% (75 observations)	100		
4. Maintenance of MRS	1 FY 2022 PM Plan; 100% timely implementation	1.53% (100% timely implemented)	1.53% (100% timely implemented)	100		
C. Maintenance and operation of survey vessels	(BRPHs VENTURA; PRESBITERO; HIZON; PALMA; Single Beam Skiff; Land-based systems)	22.68%	22.68%	100		
1. Platform availability/deployment	100% of Platforms scheduled for survey available/deployed (1 survey platform per scheduled survey)	3.50%	2.93%	80.86	Big vessels still under repair. Technical expert can only be available in October.	Extend the manhour of the repairs once the technical expert becomes available.
D. Client management	100% of clients requests addressed	3.78% (100% [268] clients addressed)	3.78% (100% [268] clients addressed)	100		
2. Nautical Charting		75.88	75.88	100		
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts	82.75% (8 charts)	85.88% (8 charts)	100		
	2 Approach charts	77.00% (2 charts)	94.00% (2 charts)	100		
	13 Coastal charts	80.50% (13 charts)	83.56% (13 charts)	100		
	1 EEZ Chart	72.00% (1 chart)	72.00% (1 chart)	100		
	2 General Charts	77.00% (2 charts)	77.00% (2 charts)	100		
	15 Master Charts	76.00% (15 charts)	76.00% (15 charts)	100		
2. Data compilation and Update of Electronic Navigational Charts (ENCs)	10 ENCs	77.00% (10 charts)	77.00% (10 charts)	100		
3. Manual correction of printed nautical charts	26 paper nautical charts	76.00% (20 paper nautical charts)	76.00% (20 paper nautical charts)	100		
	15 paper nautical charts for Master Chart	(11 Master Charts)	(11 Master Charts)			
	100% [900] printed nautical charts manually corrected	(100% [684] printed nautical charts manually corrected)	(100% [684] 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)	73.00% (4,380 nautical charts) (1,460 copies of TCTs)	87.92% (4,550 nautical charts) (2,000 copies of TCTs)	100		
3. Maritime Publications and Support Services		67.66	65.30	96.51		
1. Promulgation/Publication of Navigational Warnings (NW) or Notices to Mariners (NTMs)	NW emailed to NAVAREA XI Coordinator 12 NTMs emailed to clients	75.20% (100% NW/9 NTMs)	75.20% 100% [169] NW/[9] NTMs)	100		
2. Publication of Philippine List of Lights (PLL)	2022 Edition of PLL published	52.50%	52.50% (Manuscript updated with 80 light corrections from January to August 2021 NTMs)	100		
3. Publication of Cumulative List of Notices to Mariners (CLNM)	CLNM published	52.50%	52.50% (Manuscript updated with 54 chart correction notices from January to August 2021 NTMs)	100		
4. Publication of Philippine Coast Pilot (PCP) Book	Volume II, 7th Edition published	74.00%	62.00%	83.78	Finalization of lay-out is still ongoing. Also, the Division is still awaiting for the approval of the Supplementary APP for the mass production of PCP Vol.2	The Division will work on overtime for the finalization of lay-out of the PCP Vol. 2
5. Compilation of Coast Pilot Manuscript	8th Edition Manuscript compiled	72.00%	69.00%	95.83	Survey activities were affected by COVID-19 travel restrictions.	Survey activities were rescheduled and targeted to be accomplished in October to December 2021.
6. Delineation of Municipal Waters (MW)	100% (80 of 80) technical assistance provided	74.90% (100% of LGUs, NGAs assistance provided)	74.90% (100% [64] 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	72.50% (16 internal waters map compiled) (1 baseline map compiled) (14 internal waters map and 1 baseline map reviewed)	71.00% (15 internal waters map compiled) (1 baseline map compiled) (14 internal waters map and 1 baseline map reviewed)	97.93	Personnel assigned to compile one of the maps is currently on fieldwork.	To work on overtime once the personnel returns from fieldwork.

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
4. Physical Oceanographic Surveys		65.57	65.57	100		
1. Maintenance of tide stations - Annual inspection and releveing	47 stations inspected and releveled	18.08% (34 stations)	24.46% (46 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)	14.99% (92 % of 50 stations)	14.99% (92 % of 50 stations [48])	100		
2.2 Establishment of new tide stations	7 tide stations established	-	2.15% (3 stations)			
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	-	(41 Nautical charts)	-		
- Provision and certification of oceanographic information	100% of requests acted upon	-	(46 clients)	-		
Program: Topographic Mapping and Geodetic Network						
1. Large-Scale Mapping		77.52	77.52	100		
a. Production of new series large-scale orthoimages and topographic maps at 1:4,000 scale	360 mapsheets	75.00% (252 map sheets)	75.00% (252 orthoimage map sheets)	100		
b. Unified Mapping						
b.1 Updating and cartographic enhancement of large-scale topographic maps at 1:10,000 scale	1,500 mapsheets	17.00% (1,050 map sheets)	19.50% (1,425 map sheets)	100		
b.2 Quality assessment of 2020 outsourced line maps	1,800 mapsheets	30.20% (Data evaluation and attribute validation and verification)	30.20% (Data evaluation and attribute validation and verification)	100		
b.3 Large-scale (1:10,000) topographic database management and cartographic enhancement						
a. Topographic databasing	300 mapsheets	16.67% (250 map sheets)	16.67% (250 map sheets)	100		
b. Cartographic enhancement	55 mapsheets	16.17% (55 map sheets cartographic edited; 22 map sheets inspected)	16.17% (55 map sheets cartographic edited; 22 map sheets inspected)	100		

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
2. Medium-and Small-Scale Mapping		81.66	81.66	100		
A. Medium-Scale Mapping (1:50,000)						
A.1 In-house (Feature extraction evaluation of vector data and cartographic enhancement)	45 mapsheets	81.21% (42 cartographically enhanced draft maps; on-going fieldwork)	81.21% (42 cartographically enhanced draft maps; on-going fieldwork)	100		
A.2 Contract-Out (Feature extraction without enhancement)	40 mapsheets	84.88% (13 Progress Reports)	84.88% (13 Progress Reports)	100		
B. Small-Scale Mapping (1:250,000)	5 maps	80.25% (Symbolization; cartographic editing and corrective editing)	80.25% (Symbolization; cartographic editing and corrective editing)	100		
3. Updating of the Philippine Gazetteer		77.04	77.04	100		
A. Topographic Database Mapping	24 mapsheets	76.95% (18 maps)	82.61% (19 maps)	100		
B. Updating of the Philippine Gazetteer Project	Geographic Names Geospatial Database uploaded/encoded with 11 provinces	77.13% (9 provinces)	77.13% (9 provinces)	100		
4. Administrative Mapping		85.00	85.00	100		
	12 maps (7 provincial; 5 regional)	85.00% (5 provincial and 4 regional maps)	85.00% (5 provincial and 4 regional maps)	100		
5. Map Printing and Reproduction		72.50	72.50	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	72.50% (65 sets of maps/charts and 5,000 sheets Centennial Calendar printed)	79.00% (69 sets of maps/charts and 5,000 sheets Centennial Calendar printed)	100		

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
6. Modernization of the Philippine Geodetic Reference System (PGRS)		82.50	77.67	94.15		
1. Establishment of Active Geodetic Stations (AGS)	3 AGS (Outsourced)	7.00% (2 AGS)	10.00% (3 AGS)	100		
2. AGS Site selection	6 Sites	10.00% (6 sites)	10.00% (6 sites)	100		
3. Maintenance of AGS	52 AGS (Outsourced)	14.00% (40 AGS)	12.50% (35 AGS)	89.29	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)	6.67% (50 GCPs)	88.93	Fieldwork activities were affected by COVID-19 travel restrictions.	Rescheduled fieldwork in October 2021.
6. Releveling of Benchmarks (BMs)	620 kms (Outsourced)	7.00% (300 kms)	13.00% (620 kms)	100		
	100 kms (In-house)	7.00% (100 kms)	7.00% (100 kms)	100		
7. Densification of Gravity Stations (GS) and GCP maintenance	800 GS	10.00% (800 GS)	7.50% (555 GS)	75	Fieldwork activities were affected by COVID-19 travel restrictions.	Fieldwork activities were adjusted on the succeeding months to catch up with the target.
	100 GCPs	10.00% (100 GCPs)	10.00% (100 GCPs)	100		
8. Uploading to NAMRIA Geospatial Information Management System (NGIMS) of Geodetic Reference datasets	3 AGS 137 GCPs					

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Program: Resource Assessment and Mapping						
1. Forestland Evaluation and Mapping		83.75	83.75	100		
Land Classification of Unclassified Public Forest (UPF) areas	8 preliminary maps of UPF sites	83.75% (8 preliminary maps preliminary mapped; 5 provincial LC maps accuracy assessed; 4 UPF sites databased)	83.75% (8 preliminary maps preliminary mapped; 5 provincial LC maps accuracy assessed; 4 UPF sites databased)	100		
2. Land Cover Mapping		70.98	70.98	100		
	18 preliminary land cover maps	70.98% (18 provinces preliminary data analysed; 13 provinces accuracy assessed; 5 provinces output presented)	70.98% (18 provinces preliminary data analysed; 13 provinces accuracy assessed; 5 provinces output presented)	100		
3. Coastal Resource Mapping and Assessment		87.00	87.00	100		
	12 preliminary coastal resource maps	87.00% (12 provinces accuracy assessed and image validated; 10 provinces output presented)	87.00% (12 provinces accuracy assessed and image validated; 10 provinces output presented)	100		
4. ENR Data Integration (Geospatial Data Integration)		82.00	82.00	100		
	10 index and integrated maps of Geospatial ENR Datasets	82.00% (10 provinces preliminary mapped; 9 provinces data processed; 7 provinces final mapped; 5 provinces databased)	82.00% (10 provinces preliminary mapped; 9 provinces data processed; 7 provinces final mapped; 5 provinces databased)	100		
5. Participatory Mapping of Existing Land Uses		85.00	85.00	100		
	1 Existing land use map	85.00% (1 province final mapped)	85.00% (1 province final mapped)	100		

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Program: Geospatial Information System Management						
1. Information System Development & Maintenance		70.00	70.00	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	26.50% (4 systems)	26.50% (4 systems)	100		
4. System Implementation	5 Systems					
5. System Maintenance	33 Systems	21.50% (33 systems)	21.50% (33 systems)	100		
2. Geospatial Database Development & Maintenance		72.48	72.48	100		
1. Database Design	3 Databases	30.00% (3 databases)	30.00% (3 databases)	100		
2. Database Buildup	2 Database buildup	15.00% (1 database)	15.00% (1 database)	100		
3. Database maintenance	1 Database	7.48% (1 database)	7.48% (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		81.90	81.90	100		
1. Media Production and Packaging	4 NAMRIA IEC materials published 100% events covered through published NAMRIA Newscoop (NN)	21.50% (4 NAMRIA IEC materials) (100% events covered through Newscoop)	21.50% (4 NAMRIA IEC materials) (100% [23] 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	21.85% (2 IEC campaign/webinar) (1 map and technology exhibit)	22.90% (4 IEC campaign/webinar) (2 virtual tour of facilities) (1 map and technology exhibit)	100		

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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	(100% requests for photo and video documentation) 18.75% (100% regular/special/MOA-based/online) (1 Training Report)	(100% [10] photo and [18] video documentation) 18.75% (100% [18] regular/special/MOA-based/online) (1 Training Report)	100		
4. Client Services	100% clients served 1 Updated concept paper on e-commerce 6 Reports submitted 12 Monthly Sales Reports submitted 2020 MSO Sales Report submitted 4 MSO Inventory Report submitted	19.80% (100% clients served) (1 Updated concept paper) (5 Reports) (9 Sales Reports) (2020 MSO Sales Report) (2 MSO Inventory Reports)	19.80% (100% [6,111] clients) (1 Updated concept paper) (5 Reports) (9 Sales Reports) (2020 MSO Sales Report) (2 MSO Inventory Reports)	100		
4. Information and Communications Technology (ICT) Resource Management		73.82	73.82	100		
1. Maintenance of computer system	1 Updated list of ICT equipment 100% of computer systems (556) maintained semestrally A minimum of 95% operational monthly	36.31% (973 computer systems) (=>95% operational)	36.62% (990 computer systems) (99.99% operational)	100		
2. Network/Datacenter Maintenance and Administration	1 Network system operational at a minimum of 95% monthly	29.99% (=>95% operational)	29.99% (99.77% operational)	100		
3. ICT Research and Analysis						
- Technology case study for NAMRIA Deployment and Utilization	1 Case Study	3.75% (Final Draft)	3.75% (Final Draft)	100		
- ICT Resource Management Information System (ICTRMIS) Maintenance	1 ICTRMIS	3.77%	3.77%	100		

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