

National Mapping and Resource Information Authority
Physical Performance Report
As of October 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 First Quarter, FY 2022
	FY 2021 (Annual)	October 1-31 (Fourth Quarter)	As of October 31, 2021			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
1. Hydrographic Surveys		73.46	70.95	96.58		
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	1.00% (Data acquisition)	-	0	BRPH Palma rescheduled its deployment in November 2021.	Survey hours and days shall be adjusted to be able to compensate for the loss opportunities due to the unexpected issues.
c. Ports and Harbors (P & H)	8 PH	15.00% (8 P&H)	15.48% (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	3.50% (7 P&H areas)	3.50% (7 P&H areas)	100		
B. Maintenance and Operation of Magnetic Observatory						
1. Field geomagnetic observation of magnetic repeat stations (MRS)	21 MRS	6.11% (19 MRS)	5.47% (17 MRS)	89.53	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	3.80% (6,480 hourly values)	3.97% (6,778 hourly values)	100		

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3. Absolute magnetic observation at magnetic observatory	96 absolute magnetic observations	1.30% (80 observations)	1.38% (85 observations)	100		
4. Maintenance of MRS	1 FY 2022 PM Plan; 100% timely implementation	1.70% (100% timely implemented)	1.70% (100% timely implemented)	100		
C. Maintenance and operation of survey vessels	(BRPHs VENTURA; PRESBITERO; HIZON; PALMA; Single Beam Skiff; Land-based systems)	25.70%	25.69%	99.96		
1. Platform availability/deployment	100% of Platforms scheduled for survey available/deployed (1 survey platform per scheduled survey)	5.15%	3.81%	73.98	Big vessels still under repair; expecting same status for 2022.	To replace the EEZ survey with Port survey.
D. Client management	100% of clients requests addressed	4.20% (100% [322] clients addressed)	4.20% (100% [322] clients addressed)	100		
2. Nautical Charting		85.05	85.05	100		
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts	88.75% (8 charts)	90.75% (8 charts)	100	Compilers working from home have loaned PC and/or can remotely access their workstations via Team Viewer. Thus, work continues amid quarantine restrictions.	
	2 Approach charts	85.00% (2 charts)	94.00% (2 charts)	100		
	13 Coastal charts	87.50% (13 charts)	88.10% (13 charts)	100		
	1 EEZ Chart	84.00% (1 chart)	84.00% (1 chart)	100		
	2 General Charts	85.00% (2 charts)	85.00% (2 charts)	100		
	15 Master Charts	84.00% (15 charts)	84.00% (15 charts)	100		
	10 ENC's	85.00% (10 charts)	85.00% (10 charts)	100		
2. Data compilation and Update of Electronic Navigational Charts (ENCs)						
3. Manual correction of printed nautical charts	26 paper nautical charts	84.00% (22 paper nautical charts)	84.67% (22 paper nautical charts)	100		
	15 paper nautical charts for Master Chart	(13 Master Charts)	(13 Master Charts)			
	100% [900] printed nautical charts manually corrected	(100% [756] printed nautical charts manually corrected)	(100% [774] 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)	85.50% (4,980 nautical charts) (1,760 copies of TCTs)	91.50% (4,980 nautical charts) (2,000 copies of TCTs)	100		
3. Maritime Publications and Support Services		76.21	72.21	94.75		
1. Promulgation/Publication of Navigational Warnings (NW) or Notices to Mariners (NTMs)	NW emailed to NAVAREA XI Coordinator 12 NTMs emailed to clients	83.50% (100% NW/10 NTMs)	83.50% 100% [189] NW/[10] NTMs)	100		
2. Publication of Philippine List of Lights (PLL)	2022 Edition of PLL published	58.30%	58.30% (Manuscript updated with 88 light corrections from January to September 2021 NTMs)	100		
3. Publication of Cumulative List of Notices to Mariners (CLNM)	CLNM published	58.30%	58.30% (Manuscript updated with 62 chart correction notices from January to September 2021 NTMs)	100		
4. Publication of Philippine Coast Pilot (PCP) Book	Volume 2, 7th Edition published	87.00%	62.00%	71.26	Mass printing of PCP Vol. 2 is for procurement process with BAC.	MAD will package PCP Vol. 2 in CDs while the BAC procurement process is ongoing.
5. Compilation of Coast Pilot Manuscript	8th Edition Manuscript compiled	82.30%	79.30%	96.35	Survey activities were delayed due to COVID-19 travel restrictions.	Survey activities were rescheduled and targeted to be accomplished in November to December 2021.
6. Delineation of Municipal Waters (MW)	100% (80 of 80) technical assistance provided	83.20% (100% of LGUs, NGAs assistance provided)	83.20% (100% [71] 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	80.90% (18 internal waters map compiled) (1 baseline map compiled) (16 internal waters map and 1 baseline map reviewed)	80.90% (18 internal waters map compiled) (1 baseline map compiled) (16 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		67.24	67.24	100		
1. Maintenance of tide stations - Annual inspection and releveled	47 stations inspected and releveled	18.08% (34 stations)	25.00% (47 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)	16.66% (92 % of 50 stations)	16.66% (92 % of 50 stations [48])	100		
2.2 Establishment of new tide stations	7 tide stations established	-	2.85% (4 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	-	(42 Nautical charts)	-		
- Provision and certification of oceano- graphic information	100% of requests acted upon	-	(58 clients)	-		
Program: Topographic Mapping and Geodetic Network						
1. Large-Scale Mapping		87.02	87.02	100		
a. Production of new series large-scale orthoimages and topographic maps at 1:4,000 scale	360 mapsheets	75.00% (252 map sheets)	85.00% (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)	20.00% (1,500 map sheets)	100	Deliverables were achieved more than the targets due to early procurement activities and advanced processing of orthoimages for use in updating the large-scale 1:10,000 topographic maps.	
b.2 Quality assessment of 2020 outsourced line maps	1,800 mapsheets	33.60% (Data evaluation and attribute validation and verification)	33.60% (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	18.33% (275 map sheets)	18.33% (275 map sheets)	100		
b. Cartographic enhancement	55 mapsheets	17.11% (55 map sheets cartographic edited; 22 map sheets inspected)	17.11% (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		90.64	90.64	100		
A. Medium-Scale Mapping (1:50,000)						
A.1 In-house (Feature extraction evaluation of vector data and cartographic enhancement)	45 mapsheets	87.47% (45 cartographically enhanced draft maps; ongoing field completion)	87.47% (45 cartographically enhanced draft maps; ongoing field completion)	100		
A.2 Contract-Out (Feature extraction without enhancement)	40 mapsheets	94.30% (14 Progress Reports)	94.30% (14 Progress Reports)	100		
B. Small-Scale Mapping (1:250,000)	5 maps	93.50% (Symbolization; cartographic editing and corrective editing)	93.50% (Symbolization; cartographic editing and corrective editing)	100		
3. Updating of the Philippine Gazetteer		85.17	85.17	100		
A. Topographic Database Mapping	24 mapsheets	87.27% (21 maps)	89.02% (23 maps)	100	The area coverage (land area) of the map sheets completed are small.	
B. Updating of the Philippine Gazetteer Project	Geographic Names Geospatial Database uploaded/encoded with 11 provinces	83.09% (10 provinces)	83.09% (10 provinces)	100		
4. Administrative Mapping		93.50	89.50	95.72		
	12 maps (7 provincial; 5 regional)	93.50% (7 provincial and 2 regional maps)	89.50% (7 provincial and 2 regional maps)	95.72	Survey activities were affected by COVID-19 travel restrictions.	Ongoing coordination with concerned LGUs for virtual validation in lieu of onsite meetings due to current limitations of field survey personnel with the pandemic.
5. Map Printing and Reproduction		85.00	85.00	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	85.00% (80 sets of maps/charts and 5,000 sheets Centennial Calendar printed)	85.00% (80 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)		95.50	92.80	97.17		
1. Establishment of Active Geodetic Stations (AGS)	3 AGS (Outsourced)	10.00% (3 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)	15.50% (45 AGS)	14.30% (41 AGS)	92.26	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	10.00% (100 GCPs)	10.00% (100 GCPs)	100		
6. Releveling of Benchmarks (BMs)	620 kms (Outsourced)	13.00% (620 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)	8.50% (650 GS)	85	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		91.25	91.25	100		
Land Classification of Unclassified Public Forest (UPF) areas	8 preliminary maps of UPF sites	91.25% (8 preliminary maps prepared; 7 provincial LC maps accuracy assessed; 4 UPF sites databased)	91.25% (8 preliminary maps prepared; 7 provincial LC maps accuracy assessed; 4 UPF sites databased)	100		
2. Land Cover Mapping		84.06	84.06	100		
	18 preliminary land cover maps	84.06% (18 provinces preliminary data analysed and accuracy assessed; 5 provinces output presented)	84.06% (18 provinces preliminary data analysed and accuracy assessed; 5 provinces output presented)	100		
3. Coastal Resource Mapping and Assessment		93.00	93.00	100		
	12 preliminary coastal resource maps	93.00% (12 provinces accuracy assessed/image validated and output presented; 10 coastal resource maps prepared)	93.00% (12 provinces accuracy assessed/image validated and output presented; 10 coastal resource maps prepared)	100		
4. ENR Data Integration (Geospatial Data Integration)		90.00	90.00	100		
	10 index and integrated maps of Geospatial ENR Datasets	90.00% (10 provinces field data gathered and processed; 9 index and integrated maps prepared; 7 index and integrated maps databased)	90.00% (10 provinces field data gathered and processed; 9 index and integrated maps prepared; 7 index and integrated maps databased)	100		
5. Participatory Mapping of Existing Land Uses		90.00	90.00	100		
	1 Existing land use map	90.00% (1 land use map prepared and distributed)	90.00% (1 land use map prepared and distributed)	100		

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
Program: Geospatial Information System Management						
1. Information System Development & Maintenance		74.50	74.50	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	4 Applications	30.50% (4 systems)	30.50% (4 systems)	100		
4. System Implementation	4 Systems	-	-	-		
5. System Maintenance	33 Systems	22.00% (33 systems)	22.00% (33 systems)	100		
2. Geospatial Database Development & Maintenance		75.32	75.32	100		
1. Database Design	3 Databases	30.00% (3 databases)	30.00% (3 databases)	100		
2. Database Buildup	2 Database buildup	17.00% (1 database)	17.00% (1 database)	100		
3. Database maintenance	1 Database	8.32% (1 database)	8.32% (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		84.30	84.30	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		

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2. Information dissemination and documentation	2 IEC campaign/webinar conducted 100% tour of facilities requests served 1 map and technology exhibit 100% requests served for photo and video documentation	21.85% (2 IEC campaign/webinar) (100% tour of facilities requests served) (1 map and technology exhibit) (100% requests for photo and video documentation)	22.90% (4 IEC campaign/webinar) (2 virtual tour of facilities) (1 map and technology exhibit) (100% [10] photo and [18] video documentation)	100		
3. Geomatics Training	100% regular/special/MOA-based/online training programs conducted 1 renewal of PRC accreditation 2020 NGTC Training Report submitted	19.75% (100% regular/special/MOA-based/online) (1 PRC accreditation) (1 Training Report)	19.75% (100% [18] regular/special/MOA-based/online) (1 PRC accreditation) (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 2 MSO Inventory Report submitted	21.20% (100% clients served) (1 Updated concept paper) (5 Reports) (10 Sales Reports) (2020 MSO Sales Report) (2 MSO Inventory Reports)	21.20% (100% [7,481] 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		82.15	82.15	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	40.90% (1,112 computer systems) (=>95% operational)	41.71% (1,157 computer systems) (99.99% operational)	100		
2. Network/Datacenter Maintenance and Administration	1 Network system operational at a minimum of 95% monthly	33.32% (=>95% operational)	33.32% (99.77% operational)	100		

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3. ICT Research and Analysis - Technology case study for NAMRIA Deployment and Utilization - ICT Resource Management Information System (ICTRMIS) Maintenance	1 Case Study	3.75% (Final Draft)	3.75% (Final Draft)	100		
	1 ICTRMIS	4.18% (1 ICTRM IS maintained)	4.18% (1 ICTRM IS maintained)	100		

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