

National Mapping and Resource Information Authority
Physical Performance Report
As of November 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 First Quarter, FY 2022
	FY 2021 (Annual)	November 1-30 (Fourth Quarter)	As of November 30, 2021			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
1. Hydrographic Surveys		84.98	83.51	98.27		
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. Archipelagic Waters/Sealanes (AW)	2 Smooth Sheets (Tayabas Bay-Ragay Gulf-Sorsogon Bay [270 sq km]; Vicinity of Zambales and Bataan, and the Subic Bay Navigational Lane [337.6 sq km])	2.33% (Data acquisition)	1.93% (Data acquisition)	82.83	Vessels still under repair.	Fast-tracked vessel repair. Continued data acquisition and processing to address the slippage until December 2021.
b. Ports and Harbors (P & H)	10 PH	20.00% (10 P&H)	19.57% (10 P&H)	97.85		
3. 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	6.43% (20 MRS)	5.79% (18 MRS)	90.05	Flight restriction in survey area.	Replaced survey area. Team already deployed for the remaining three (3) MRS. Observations to be completed before the end of December 2021.
2. Continuous geomagnetic data acquisition	7776 hourly values of geomagnetic data	4.13% (7,340 hourly values)	4.21% (7,474 hourly values)	100		

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3. Absolute magnetic observation at magnetic observatory	96 absolute magnetic observations	1.38% (91 observations)	1.43% (94 observations)	100		
4. Maintenance of MRS	1 FY 2022 PM Plan; 100% timely implementation	1.84% (100% timely implemented)	1.84% (100% timely implemented)	100		
C. Maintenance and operation of survey vessels	(BRPHs VENTURA; PRESBITERO; HIZON; PALMA; Single Beam Skiff; Land-based systems)	28.00%	28.00%	100		
1. Platform availability/deployment	100% of Platforms scheduled for survey available/deployed (1 survey platform per scheduled survey)	6.79%	6.79%	100		
D. Client management	100% of clients requests addressed	4.58% (100% clients addressed)	4.58% (100% [343] clients addressed)	100		
2. Nautical Charting		93.66	93.66	100		
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts	94.75% (8 charts)	94.75% (8 charts)	100		
	2 Approach charts	93.00% (2 charts)	94.00% (2 charts)	100		
	13 Coastal charts	94.00% (13 charts)	95.35% (13 charts)	100		
	1 EEZ Chart	92.00% (1 chart)	92.00% (1 chart)	100		
	2 General Charts	93.00% (2 charts)	93.00% (2 charts)	100		
	15 Master Charts	92.00% (15 charts)	92.00% (15 charts)	100		
2. Data compilation and Update of Electronic Navigational Charts (ENCs)	10 ENCs	93.00% (10 charts)	93.00% (10 charts)	100		
3. Manual correction of printed nautical charts	26 paper nautical charts	92.00% (24 paper nautical charts)	92.00% (24 paper nautical charts)	100		
	15 paper nautical charts for Master Chart	(14 Master Charts)	(14 Master Charts)			
	100% [900] printed nautical charts manually corrected	(100% [828] printed nautical charts manually corrected)	(100% [828] 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)	96.50% (5,580 nautical charts) (2,000 copies of TCTs)	96.50% (5,580 nautical charts) (2,000 copies of TCTs)	100		
3. Maritime Publications and Support Services		84.04	80.04	95.24		
1. Promulgation/Publication of Navigational Warnings (NW) or Notices to Mariners (NTMs)	NW emailed to NAVAREA XI Coordinator 12 NTMs emailed to clients	91.70% (100% NW/11 NTMs)	91.70% 100% [220] NW/[11] NTMs)	100		
2. Publication of Philippine List of Lights (PLL)	2022 Edition of PLL published	64.10%	64.10% (Manuscript updated with 90 light corrections from December 2020 to October 2021 NTMs)	100		
3. Publication of Cumulative List of Notices to Mariners (CLNM)	CLNM published	64.10%	64.10% (Manuscript updated with 62 chart correction notices from January to October 2021 NTMs)	100		
4. Publication of Philippine Coast Pilot (PCP) Book	Volume 2, 7th Edition published	90.00%	62.00%	68.89	Mass printing of PCP Vol. 2 is for procurement process with BAC.	CD packaging of PCP Vol. 2 in process.
5. Compilation of Coast Pilot Manuscript	8th Edition Manuscript compiled	92.60%	92.60%	100		
6. Delineation of Municipal Waters (MW)	100% (80 of 80) technical assistance provided	91.50% (100% of LGUs, NGAs assistance provided)	91.50% (100% [75] 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	94.30% (20 internal waters map compiled) (2 baseline maps compiled) (18 internal waters map and 1 baseline map reviewed)	94.30% (20 internal waters map compiled) (2 baseline maps compiled) (18 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		68.91	68.91	100		
1. Maintenance of tide stations - Annual inspection and releveling	47 stations inspected and relevelled	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)	18.33% (92 % of 50 stations)	18.33% (92 % of 50 stations [48])	100		
2.2 Establishment of new tide stations	7 tide stations established	-	5.00% (7 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	-	(48 Nautical charts)	-		
- Provision and certification of oceano- graphic information	100% of requests acted upon	-	(73 clients)	-		
Program: Topographic Mapping and Geodetic Network						
1. Large-Scale Mapping		84.78	84.56	99.74		
a. Production of new series large-scale orthoimages and topographic maps at 1:4,000 scale	360 map sheets	75.00% (252 map sheets)	95.00% (360 map sheets)	100	Deliverables were achieved more than the targets due to early procurement activities.	
b. Unified Mapping						
b.1 Updating and cartographic enhancement of large-scale topographic maps at 1:10,000 scale	1,500 map sheets	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 map sheets	40.00% (1,800 map sheets)	40.00% (1,800 map sheets)	100		
b.3 Large-scale (1:10,000) topographic database management and cartographic enhancement						
a. Topographic databasing	300 map sheets	20.00% (300 map sheets)	20.00% (300 map sheets)	100		
b. Cartographic enhancement	55 map sheets	17.56% (50 map sheets)	17.11% (46 map sheets)	97.44	Field validation and completion of Puerto Princesa City was delayed due health protocols imposed by Puerto Princesa City Inter-Agency Task Force (IATF) against COVID-19.	After constant coordination with the LGU, the field team will be dispatched on 02 December 2021 to catch up for the slippage.

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2. Medium and Small-Scale Mapping		95.76	95.76	100		
A. Medium-Scale Mapping (1:50,000)						
A.1 In-house (Feature extraction evaluation of vector data and cartographic enhancement)	45 map sheets	93.74% (45 cartographically enhanced draft maps; ongoing field completion)	93.74% (45 cartographically enhanced draft maps; ongoing field completion)	100		
A.2 Contract-Out (Feature extraction without enhancement)	40 map sheets	99.33% (40 map sheets)	99.33% (40 map sheets)	100		
B. Small-Scale Mapping (1:250,000)	5 maps	96.75% (Symbolization; cartographic editing and corrective editing)	96.75% (Symbolization; cartographic editing and corrective editing)	100		
3. Updating of the Philippine Gazetteer		92.81	92.81	100		
A. Topographic Database Mapping	24 mapsheets	96.58% (23 maps)	96.58% (23 maps)	100		
B. Updating of the Philippine Gazetteer Project	Geographic Names Geospatial Database uploaded/encoded with 11 provinces	89.04% (11 provinces)	89.04% (11 provinces)	100		
4. Administrative Mapping		99.00	94.00	94.95		
	12 maps (7 provincial; 5 regional)	99.00% (7 provincial and 2 regional maps)	89.50% (7 provincial and 2 regional maps)	94.95	Due to restrictions of COVID-19, onsite validation shifted to virtual platform for safety of both parties.	Sent letters to LGUs for virtual map validation and the slippage will be addressed by December 2021.
5. Map Printing and Reproduction		88.00	88.00	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	88.00% (80 sets of maps/charts; 5,000 sheets Centennial Calendar; 3,000 pamphlets 2022 Planner printed)	88.00% (85 sets of maps/charts; 5,000 sheets Centennial Calendar; 3,000 pamphlets 2022 Planner printed)	100	Low-in-stock maps were printed in view of the request of Warehouse Unit.	

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6. Modernization of the Philippine Geodetic Reference System (PGRS)		97.00	95.50	98.45		
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)	17.00% (50 AGS)	16.00% (46 AGS)	94.12	Delayed implementation of contract due to voluminous number of outsourced projects.	The contractor will finish the four (4) remaining sites in December 2021.
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)	9.50% (750 GS)	95	Fieldwork activities were affected by COVID-19 travel restrictions.	Fieldwork activities will be conducted in December 2021 to catch up with the targets.
	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		96.25	96.25	100		
Land Classification of Unclassified Public Forest (UPF) areas	8 preliminary maps of UPF sites	96.25% (8 preliminary maps prepared; 8 provincial LC maps accuracy assessed; 5 UPF sites databased)	96.25% (8 preliminary maps prepared; 8 provincial LC maps accuracy assessed; 5 UPF sites databased)	100		
2. Land Cover Mapping		94.79	94.79	100		
	18 land cover maps	94.79% (13 land cover maps produced)	94.79% (13 land cover maps produced)	100		
3. Coastal Resource Mapping and Assessment		98.50	98.50	100		
	12 coastal resource maps	98.50% (12 coastal resource maps produced)	98.50% (12 coastal resource maps produced)	100		
4. ENR Data Integration (Geospatial Data Integration)		94.00	94.00	100		
	10 integrated ENR maps	94.00% (10 integrated ENR maps produced)	94.00% (10 integrated ENR maps produced)	100		
5. Participatory Mapping of Existing Land Uses		90.00	90.00	100		
	1 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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Program: Geospatial Information System Management						
1. Information System Development & Maintenance		79.00	79.00	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	4 Applications	34.50% (4 systems)	34.50% (4 systems)	100		
4. System Implementation	4 Systems	-	-	-		
5. System Maintenance	33 Systems	22.50% (33 systems)	22.50% (33 systems)	100		
2. Geospatial Database Development & Maintenance		78.16	78.16	100		
1. Database Design	3 Databases	30.00% (3 databases)	30.00% (3 databases)	100		
2. Database Buildup	2 Database buildup	19.00% (1 database)	19.00% (1 database)	100		
3. Database maintenance	1 Database	9.16% (1 database)	9.16% (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		85.70	85.70	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	21.85% (2 IEC campaign/webinar) (100% tour of facilities requests served)	22.90% (4 IEC campaign/webinar) (2 virtual tour of facilities)	100		
3. Geomatics Training	1 map and technology exhibit 100% requests served for photo and video documentation	(1 map and technology exhibit) (100% requests for photo and video documentation)	(1 map and technology exhibit) (100% [10] photo and [18] video documentation)	100		
4. Client Services	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		
	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	22.60% (100% clients served) (1 Updated concept paper) (5 Reports) (11 Sales Reports) (2020 MSO Sales Report) (2 MSO Inventory Reports)	22.60% (100% [8,804] clients) (1 Updated concept paper) (5 Reports) (11 Sales Reports) (2020 MSO Sales Report) (2 MSO Inventory Reports)	100		
4. Information and Communications Technology (ICT) Resource Management		90.48	90.48	100		
1. Maintenance of computer system	1 Updated list of ICT equipment 100% of computer systems (556) maintained semestraly	45.49% (1,112 computer systems)	45.49% (1,157 computer systems)	100		
2. Network/Datacenter Maintenance and Administration	A minimum of 95% operational monthly 1 Network system operational at a minimum of 95% monthly	(=>95% operational) 36.65% (=>95% operational)	(99.99% 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	4.59% (1 ICTRM IS maintained)	4.59% (1 ICTRM IS maintained)	100		

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