

National Mapping and Resource Information Authority
Physical Performance Report
As of December 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)	December 1-31 (Fourth Quarter)	As of December 31, 2021			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
1. Hydrographic Surveys		100	99.11	99.11		
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])	4.00% (2 Smooth sheets)	3.16% (2 Smooth sheets)	79	Malfunctioning starboardside generator of BRPH PALMA.	Procurement documents have been submitted. Data acquisition for Subic Bay Navigational Lane will resume next year as soon as the generator is repaired and weather permits.
b. Ports and Harbors (P & H)	10 P & H	26.00% (10 P&H)	25.95% (10 P&H)	99.81	Wharves and berths require approval of SBMA as they require movement of vessels mooring on the survey area.	Continue data acquisition for the Port of Olongapo till remaining days of December 2021.
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		
	10 P&H areas	4.00% (10 P&H areas)	4.00% (10 P&H areas)	100		
B. Maintenance and Operation of Magnetic Observatory						
1. Field geomagnetic observation of magnetic repeat stations (MRS)	21 MRS	6.75% (21 MRS)	6.75% (21 MRS)	100		
2. Continuous geomagnetic data acquisition	8,200 hourly values of geomagnetic data	4.50% (8,200 hourly values)	4.50% (8,218 hourly values)	100		
3. Absolute magnetic observation at magnetic observatory	102 absolute magnetic observations	1.50% (102 observations)	1.50% (102 observations)	100		
4. Maintenance of MRS	1 FY 2022 PM Plan; 100% timely implementation	2.25% (100% timely implemented)	2.25% (100% timely implemented)	100		

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C. Maintenance and operation of survey vessels	(BRPHs VENTURA; PRESBITERO; HIZON; PALMA; Single Beam Skiff; Land-based systems)	31.90%	31.90%	100		
1. Platform availability/deployment	100% of Platforms scheduled for survey available/deployed (1 survey platform per scheduled survey)	8.10%	8.10%	100		
D. Client management	100% of clients requests addressed	5.00% (100% clients addressed)	5.00% (100% [364] clients addressed)	100		
2. Nautical Charting		100	100	100		
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts	100.00% (8 charts)	100.00% (8 charts)	100		
	2 Approach charts	100.00% (2 charts)	100.00% (2 charts)	100		
	13 Coastal charts	100.00% (13 charts)	100.00% (13 charts)	100		
	1 EEZ Chart	100.00% (1 chart)	100.00% (1 chart)	100		
	2 General Charts	100.00% (2 charts)	100.00% (2 charts)	100		
	15 Master Charts	100.00% (15 charts)	100.00% (15 charts)	100		
2. Data compilation and Update of Electronic Navigational Charts (ENCs)	10 ENCs	100.00% (10 charts)	100.00% (10 charts)	100		
3. Manual correction of printed nautical charts	26 paper nautical charts	100.00% (26 paper nautical charts)	100.00% (26 paper nautical charts)	100		
	15 paper nautical charts for Master Chart	(15 Master Charts)	(15 Master Charts)			
	100% [900] printed nautical charts manually corrected	(100% [900] printed nautical charts manually corrected)	(100% [900] printed nautical charts manually corrected)			
4. Reproduction of nautical publications	6,000 nautical charts	100.00% (6,000 nautical charts)	100.00% (6,000 nautical charts)	100		
	2,000 copies (2022 TCTs)	(2,000 copies of TCTs)	(2,000 copies of TCTs)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
3. Maritime Publications and Support Services		100	100	100		
1. Promulgation/Publication of Navigational Warnings (NW) or Notices to Mariners (NTMs)	NW emailed to NAVAREA XI Coordinator 12 NTMs emailed to clients	100.00% (100% NW/12 NTMs)	100.00% 100% [234] NW/[12] NTMs)	100		
2. Publication of Philippine List of Lights (PLL)	2022 Edition of PLL published	100.00%	100.00% (Manuscript updated with 97 light corrections from December 2020 to November 2021 NTMs)	100		
3. Publication of Cumulative List of Notices to Mariners (CLNM)	CLNM published	100.00%	100.00% (Manuscript updated with 73 chart correction notices from January to November 2021 NTMs)	100		
4. Publication of Philippine Coast Pilot (PCP) Book	Volume 2, 7th Edition published	100.00% (Vol. 2, 7th Edition published)	100.00% (Vol. 2, 7th Edition packaged in CDs)	100		
5. Compilation of Coast Pilot Manuscript	8th Edition Manuscript compiled	100.00% (8th Edition Manuscript compiled)	100.00% (8th Edition Manuscript compiled)	100		
6. Delineation of Municipal Waters (MW)	100% (80 of 80) technical assistance provided	100.00% (100% of LGUs, NGAs assistance provided)	100.00% (100% [80] 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	100.00% (20 internal waters map compiled) (2 baseline maps compiled)	100.00% (20 internal waters map compiled) (2 baseline maps compiled)	100		

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
4. Physical Oceanographic Surveys		100	100	100		
1. Maintenance of tide stations - Annual inspection and releveing	47 stations inspected and releveled	25.00% (47 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)	20.00% (92 % of 50 stations)	20.00% (92 % of 50 stations (48))	100		
2.2 Establishment of new tide stations	7 tide stations established	5.00% (7 stations)	5.00% (7 stations)	100		
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		5.00%	5.00%	100		
- Updating of tidal information on nautical charts	41 Nautical charts	(41 Nautical charts)	(48 Nautical charts)	-		
- Provision and certification of oceano- graphic information	100% of requests acted upon	(100% of requests acted)	(82 clients)	-		
Program: Topographic Mapping and Geodetic Network						
1. Large-Scale Mapping		100	100	100		
a. Production of new series large-scale orthoimages and topographic maps at 1:4,000 scale	360 map sheets	100% (360 map sheets)	100% (360 map sheets)	100		
b. Unified Mapping						
b.1 Updating and cartographic enhancement of large-scale topographic maps at 1:10,000 scale	1,500 map sheets	20% (1,500 map sheets)	20% (1,500 map sheets)	100		
b.2 Quality assessment of 2020 outsourced line maps	1,800 map sheets	40% (1,800 map sheets)	40% (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	20.00% (55 map sheets)	20.00% (55 map sheets)	100		

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
2. Medium and Small-Scale Mapping		100	100	100		
A. Medium-Scale Mapping (1:50,000)						
A.1 In-house (Feature extraction evaluation of vector data and cartographic enhancement)	45 map sheets	100% (45 map sheets)	100% (45 map sheets)	100		
A.2 Contract-Out (Feature extraction without enhancement)	40 map sheets	100% (40 map sheets)	100% (40 map sheets)	100		
B. Small-Scale Mapping (1:250,000)	5 maps	100% (5 maps)	100% (5 maps)	100		
3. Updating of the Philippine Gazetteer		100	100	100		
A. Topographic Database Mapping	24 map sheets	100% (24 map sheets)	100% (24 map sheets)	100		
B. Updating of the Philippine Gazetteer Project	Geographic Names Geospatial Database uploaded/encoded with 13 provinces	100% (13 provinces)	100% (13 provinces)	100		
4. Administrative Mapping		100	100	100		
	12 maps (7 provincial; 5 regional)	100% (7 provincial and 5 regional maps)	100% (7 provincial and 5 regional maps)	100		
5. Map Printing and Reproduction		100	100	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 13,000 sheets 2022 Calendar	100% (80 sets of maps/charts; 5,000 sheets Centennial Calendar; 3,000 pamphlets 2022 Planner; 13,000 sheets 2022 Calendar printed)	100% (85 sets of maps/charts; 5,000 sheets Centennial Calendar; 3,000 pamphlets 2022 Planner; 13,000 sheets 2022 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)		100	100	100		
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)	18.00% (52 AGS)	18.00% (52 AGS)	100		
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)	10.00% (800 GS)	100		
	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	2.00% (3 AGS)	2.00% (3 AGS)	100		
	137 GCPs	10.00% (135 GCPs)	10.00% (135 GCPs)	100		

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Program: Resource Assessment and Mapping						
1. Forestland Evaluation and Mapping		100	100	100		
Land Classification of Unclassified Public Forest (UPF) areas	8 preliminary maps of UPF sites	100% (8 preliminary maps of UPF sites)	100% (8 preliminary maps of UPF sites)	100		
2. Land Cover Mapping		100	100	100		
	18 land cover maps	100% (18 land cover maps)	100% (18 land cover maps)	100		
3. Coastal Resource Mapping and Assessment		100	100	100		
	12 coastal resource maps	100% (12 coastal resource maps)	100% (12 coastal resource maps)	100		
4. ENR Data Integration (Geospatial Data Integration)		100	100	100		
	10 integrated ENR maps	100% (10 integrated ENR maps)	100% (10 integrated ENR maps)	100		
5. Participatory Mapping of Existing Land Uses		100	100	100		
	1 land use map	100% (1 land use map)	100% (1 land use map)	100		

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
Program: Geospatial Information System Management						
1. Information System Development & Maintenance		100	100	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	4.00% (4 systems)	4.00% (4 systems)	100		
5. System Maintenance	33 Systems	39.50% (33 systems)	39.50% (33 systems)	100		
2. Geospatial Database Development & Maintenance		100	100	100		
1. Database Design	3 Databases	30.00% (3 databases)	30.00% (3 databases)	100		
2. Database Buildup	2 Database buildup	20.00% (1 database)	20.00% (1 database)	100		
3. Database maintenance	1 Database	10.00% (1 database)	10.00% (1 database)	100		
4. Research and Analysis of existing geospatial databases	Research and Analysis Report	10.00% (2 Reports)	10.00% (2 Reports)	100		
5. LGU GIS Capability Assessment	Assessment Report	20.00% (2 Reports)	20.00% (2 Reports)	100		
6. Technical Support (Training and other technical support)	Technical Support Report	10.00% (2 Reports)	10.00% (2 Reports)	100		
3. Geospatial Information Services and Production of NAMRIA Information, Education, and Communication (IEC) Materials		100	100	100		
1. Media Production and Packaging	4 NAMRIA IEC materials published 100% events covered through published NAMRIA Newscoop (NN)	25.00% (4 NAMRIA IEC materials) (100% events covered through Newscoop)	25.00% (4 NAMRIA IEC materials) (100% [43] events covered through Newscoop)	100		

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
2. Information dissemination and documentation	2 IEC campaign/webinar conducted 100% tour of facilities requests served	25.00% (2 IEC campaign/webinar) (100% tour of facilities requests served)	25.00% (4 IEC campaign/webinar) (3 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)	(2 map and technology exhibits) (100% [16] photo and [21] 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	25.00% (100% regular/special/MOA-based/online) (1 PRC accreditation) (1 Training Report)	25.00% (100% [31] 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	25.00% (100% clients served) (1 Updated concept paper) (6 Reports) (12 Sales Reports) (2020 MSO Sales Report) (2 MSO Inventory Reports)	25.00% (100% [9,675] clients) (1 Updated concept paper) (6 Reports) (12 Sales Reports) (2020 MSO Sales Report) (2 MSO Inventory Reports)	100		
4. Information and Communications Technology (ICT) Resource Management		100	100	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	50.00% (1 Updated list of ICT equipment) (1,112 computer systems) (=>95% operational)	50.00% (1 Updated list of ICT equipment) (1,157 computer systems) (99.99% operational)	100		
2. Network/Datacenter Maintenance and Administration	1 Network system operational at a minimum of 95% monthly	40.00% (=>95% operational)	40.00% (99.75% operational)	100		

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
3. ICT Research and Analysis - Technology case study for NAMRIA Deployment and Utilization - ICT Resource Management Information System (ICTRMIS) Maintenance	1 Case Study	5.00% (Final Report)	5.00% (Final Report)	100		
	1 ICTRMIS	5.00% (1 ICTRM IS maintained)	5.00% (1 ICTRM IS maintained)	100		

APPROVED BY:

Certified Correct By:


USEC. PETER N. TIANGCO, PhD, CESO I
 Department/Agency Head


XENIA R. ANDRES
 OIC, Planning Unit


NOEL R. VEGA
 Head, Finance Unit