

National Mapping and Resource Information Authority

Physical Performance Report

As of November 30, 2019

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 2020
	FY 2019 (Annual)	November 1-30 (Fourth Quarter)	As of November 30, 2019			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
1. Hydrographic Surveys		99.52	94.52	94.98		
1. Exclusive Economic Zone	4,000 sq km (Philippine Sea/Philippine Rise)	100% (4,000 sq km)	100% (4,400 sq km)			
2. Archipelagic Waters/Sealanes	5,000 sq km (2,500 sq km Panay Gulf; 2,500 sq km Sulu Sea)	97.60% (Panay Gulf; Sulu Sea)	99.00% (Vic. of Romblon, Sibuyan, Tablas, Panay & Mas. Is.)			
3. Ports and Harbors	8 Ports and Harbors	100% (8 Ports)	100% (8 Ports)			
4. Maintenance and operation of survey vessels	4 survey vessels; 2 motor launches; 11 survey skiffs (36 Multi beam echo sounder (MBES); 27 Single beam echo sounder (SBES)	100%	75.00%		BRPH Presbitero: Air conditioning system, bow thruster and shaft generator are not operational.	Air conditioning system expected to be operational before the year ends. Bow thruster purchase request (PR) for approval of the Administrator. Market research ongoing for repair of shaft generator.
					BRPH Hizon: Main engines were repaired on 11 October 2019. Smoke is observed during sea trial.	Further assessment will be done after completion of 50hour sea trial. Scheduled for drydocking and replacement of propellers next year.
					BRPH Palma: Dry docking was delayed due to late release of GAA. Problems were detected on the starboard main engine.	On-going dry docking and procurement for the tune-up and calibration of the starboard main engine. These activities are expected to be completed before the year ends.
5. Maintenance and Operation						
- Available geomagnetic information	7,310 hourly values per year	100% (7,310 hourly values)	100% (7,776 hourly values)			
- Magnetic Observation of Repeat Stations	18 magnetic force from magnetic repeat stations (MRS)	100% (18 MRS)	100% (18 MRS)			
2. Nautical Charting		92.98	92.98	100		
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts	93.75% (8 charts)	93.75% (8 charts)			
	2 Approach charts	100% (2 charts)	100% (2 charts)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
2. Data compilation and Update of Electronic Navigational Charts (ENC) 3. Manual correction of printed nautical charts 4. Reproduction of nautical publications	13 Coastal charts	92.08% (13 charts)	94.00% (13 charts)			
	1 EEZ Chart	86.00%	86.00%			
	2 General Charts	93.00% (2 charts)	93.00% (2 charts)			
	15 Master Charts	92.53% (15 charts)	92.53% (15 charts)			
	10 ENCs compiled and updated	90.00% (10 charts)	95.00% (10 charts)			
	2,000 charts	97.33% (2,000 charts)	97.33% (2,000 charts)			
	6,000 charts 2,000 copies (2020 TCTs)	91.67% (5,000 charts) 100% (2,000 copies)	91.67% (5,000 charts) 100% (2,000 copies)			
3. Maritime Publications and Support Services		82.25	80.92	98.38		
1. Publication of Philippine Notices to Mariners (NTM) and Navigational Warnings	100% NW emailed to NAVAREA XI Coordinator 12 NTMs emailed to clients	91.70% (100%) NW/11 NTMs	91.70% (100%) NW/11 NTMs		On-going procurement process and awaiting for the Notice of Award.	
2. Publication of Philippine List of Lights (PLL)	2020 Edition of PLL published	63.50%	63.50%			
3. Publication of Philippine Coast Pilot (PCP) Book	Coast Pilot Book published	82.25%	77.00%			
4. Delineation of municipal waters (MW)	100% of LGUs assisted	91.50% (100% of LGUs)	91.50% (100% (81 LGUs))			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
4. Physical Oceanographic Surveys		62.91	62.86	99.92		
1. Maintenance of tide stations - Annual inspection and releveling	50 stations inspected and relevelled	25.00% (50 stations)	25.00% (50 stations)		Operation of Davao Tide Station was temporarily suspended due to pier development.	Operation will resume once the development of the pier is completed.
2. Acquisition of physical oceanographic data 2.1 Operation of tide stations - Sea level measurements	50 stations sea level measured	11.47% (50 stations)	11.45% (49 stations)			
- Downloading of tidal data	50 stations per month	9.13% (50 stations)	9.11% (49 stations)			
- Temperature, density, & salinity measurements	50 stations per month	2.31% (50 stations)	2.30% (49 stations)			
3. Data processing, analysis & prediction 3.1 Processing of physical oceanographic data - Tidal data from tide stations	100% of downloaded/retrieved mos datasets					
- Temperature, density, & salinity	100% of submitted monthly datasets					
4. Oceanographic data management 4.1 Updating and maintenance of NODC - Databasing & archiving of sea level and other physical oceanographic data - Updating of tidal datum planes	100% of downloaded/retrieved months datasets 100% of downloaded/retrieved months datasets					
4.2 Preparation of Tide and Current Tables (TCTs) - Tide and Current Prediction manuscript - Quality Control	1 manuscript 1 manuscript	10.00% 2.00%	10.00% 2.00%			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
- Printing 4.3 Provision of tidal information - Updating of tidal information on nautical charts - Provision and and certification of oceanographic information	2,000 copies 40 Nautical charts 95% acted upon request	3.00% (2,000 copies)	3.00% (2,000 copies) (74 nautical charts) (79 clients)			
Program: Mapping and Geodesy						
1. Large-scale Base Mapping		56.51	56.51	100		
a. Production of New-Series Large-Scale topographic base maps at 1:4,000 scale	360 mapsheets	25.00%	73.64%			
b. Unified Mapping						
b.1 Feature extraction for production of large-scale 1:10,000 topographic maps	1,500 mapsheets	50.00%	97.00%			
b.2 Quality assessment of outsourced line maps	1,800 mapsheets	100% (1,800 map sheets)	100% (1,800 map sheets)			
b.3 Large-scale (1:10,000) topographic database management and cartographic enhancement						
a. Topographic databasing	130 mapsheets	100% (130 map sheets)	100% (130 map sheets)			
b. Cartographic enhancement	55 mapsheets	90.00% (55 map sheets)	90.00% (55 map sheets)			
2. Medium and Small Scale Mapping		96.16	96.16	100		
A. Medium scale mapping (1:50,000)						
1. Topographic base map updating						
1.a In-house (Feature extraction evaluation of vector data and cartographic enhancement)	45 mapsheets	95.50% (30 mapsheets)	95.50% (30 mapsheets)			

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1.b Contract Out (Feature extraction w/o enhancement)		98.75%	98.75%			
2. Topographic database mapping	66 mapsheets	96.73%	96.73%			
B. Small Scale Mapping (1:250,000)	5 mapsheets	95.55%	95.55%			
3. Administrative Mapping		98.60	98.60	100		
1. Provincial maps	12 provincial maps	98.00%	98.00%			
		(12 provincial maps)	(12 provincial maps)			
2. Special Mapping	73 Cities Road Atlas of Luzon Islands	100%	100%			
		(Cities Road Atlas)	(Cities Road Atlas)			
4. Map Printing and Reproduction		81.87	72.87	89.01		
1. Printing and Re-printing of topographic, administrative maps & nautical charts	130 mapsheets printed Special Publications: (Centennial Calendar, 2020 Planner, 2020 Calendar, 2020 TCTs (80,000 shts/2,500 books)	81.87%	72.87%		Due to client's demand, the printing of 2020 TCTs was prioritized.	Printing of 27 maps will be completed in December 2019.
		(130 mapsheets)	(103 mapsheets)		On-going preparation for the printing of 2020 Planner.	Printing of 2020 Planner will be completed in December 2019.
		(Centennial Calendar; 2020 Planner)	(Centennial Calendar; 80,000 shts. 2020 TCTs)			
5. Modernization of the Philippine Geodetic Reference System (PGRS)		97.50	97.50	100		
1. Establishment of AGS	6 AGS	10.00%	10.00%			
		(6 AGS)	(6 AGS)			
2. AGS Site selection	7 sites	10.00%	10.00%			
		(7 sites)	(7 sites)			
3. Maintenance of AGS	42 AGS	9.50%	10.00%			
		(41 AGS)	(42 AGS)			
4. GCP re-observation	1,067 GCPs	20.00%	20.00%			
		(1,067 GCPs)	(1,067 GCPs)			
5. Development of PGD 2020	1 training	10.00%	10.00%			
		(1 training)	(1 training)			
6. IEC	1 IEC	8.00%	8.00%			
		(1 Session)	(1 Session)			

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7. Validation of Philippine Geoid Model	50 BMs	10.00% (50 PGM)	10.00% (50 PGM)			
8. Releveling of BMs	748 kms	10.00% (748 kms)	10.00% (748 kms)			
9. Densification of gravity stations	2,000 GS	10.00% (2,000 GS)	10.00% (2,000 GS)			
10. Uploading to NGIMS of Geodetic Reference datasets	6 AGS/1067 GCPs					
Program: Resource Assessment and Mapping						
1. Forestland Evaluation and Mapping		95.00	95.00	100		
1. Land Classification of Unclassified Public Forest	3 Proposed LC maps	95.00% (3 LC maps)	95.00% (3 LC maps)			
2. Land Cover Mapping		91.50	91.50	100		
Risk Opportunity No. R-G-2018-01 1. Acquisition of latest VHR imageries due to increasing demand for new/ additional data for DRRM and climate change	18 provinces VHR Satellite Imagery from DOST-ASTI	91.50% (15 provinces) 100%	91.50% (15 provinces) 100%			
3. Coastal Resource Mapping and Assessment		91.46	91.46	100		
	14 provinces	91.46% (11 provinces)	91.46% (11 provinces)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
4. ENR Data Integration (Geospatial Data Integration)		92.00	92.00	100		
	10 provinces	92.00% (10 provinces)	92.00% (10 provinces)			
5. Quadrant Mapping in Preparation for Massive Earthquake (Big One) in Metro Manila		85.00	85.00	100		
	5,775 maps	85.00% (5,250 mapsheets)	85.00% (5,250 mapsheets)			
Program: Geospatial Information System Management						
1. Information Systems Development & Maintenance		78.50	78.50	100		
1. Application Development	5 Programs developed	58.75% (5 programs)	58.75% (5 programs)			
2. System Implementation	5 Systems implemented	6.00% (3 systems)	10.00% (5 systems)			
3. System Maintenance	22 Systems maintained	13.75% (22 systems)	13.75% (22 systems)			
2. Geospatial Database Development & Maintenance		81.50	81.50	100		
1. Database Buildup/Maintenance	5 Database buildup	27.50% (5 database)	27.50% (5 database)			
2. Database maintenance	1 Database maintained	10.00% (1 database)	10.00% (1 database)			
3. Database design	1 Database designed	27.00% (1 database)	27.00% (1 database)			
4. LGU GIS Capability Assessment - LGU Capability Assessment Survey	2 Assessment Survey Reports	10.00% (2 Reports)	10.00% (2 Reports)			
5. Technical support - GIS Training	2 GIS Training Reports	7.00% (1 Training Report)	7.00% (1 Training Report)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
3. Geospatial Information Services and Production of NAMRIA Information, Education, and Communication Materials		89.10	89.10	100		
1. Media Production and Packaging	4 NAMRIA IEC materials published 100% events printed issues through Newscoop and graphic arts/ digital layout designs for significant events 1 NAMRIA AVP Profile	20.50% (4 IEC materials) (100% events covered)	20.50% (4 IEC materials) 100% (40) Newscoop			
2. Information dissemination and documentation	3 IEC 1 Updated List of NAMRIA Products & Services 6 map and technology exhibits 100% requests for photo and video documentation	22.30% (3 IEC) (1 NAMRIA Prods. & Serv) (6 exhibits) (100% requests acted)	22.30% (3 IEC) (1 NAMRIA Prods. & Serv) (8 exhibits) 100% (222 photo and 49 video documentation)			
3. Geomatics Training	100% regular/special/MOA-based training programs conducted 1 PRC Accreditation 2018 NGTC Training Report	23.25% (100% trainings condtd) (1 PRC Accreditation) (1 Report)	23.25% 100% (44) trainings (1 PRC Accreditation) (1 Report)			
4. Client Services	100% clients served 7 Reports 12 Monthly Sales Report 5 MSO Inventory Report	23.05% (100% clients served) (6 Reports) (11 Monthly Sales Reports) (5 MSO Inv. Reports)	23.05% 100% (7,425) clients (6 Reports) (11 Monthly Sales Reports) (7 MSO Inv. Reports)			
Risk No. R-G-2018-01 - Increasing demand for GIS training Knowledge Services Process - Conduct in-house trainers for potential GIS trainers - Prepare online tutorial video as new means of training program		70.00%	70.00%			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
4. Information and Communications Technology Resource Management		90.48	90.48	100		
1. Maintenance of computer system	100% of computer system maintained semestrally At least 95% operational in a month	45.49% (1,312 computer systems)	45.51% (1,313 computer systems)			
2. Network/Data center maintenance and administration	1 Network system operational at a minimum of 95% monthly	(=>95% operational) 36.65%	(99.99% operational) 36.65%			
3. ICT Research and Analysis - Technology case study for NAMRIA deployment and utilization	1 Case Study	(=>95% operational) 36.65%	(99.88% operational) 36.65%			
- ICT Resource Management Information System (ICTRM IS) Maintenance	1 ICTRM IS	3.75% (Final draft)	3.75% (Final draft)			
Risk No. R-G-2018-06 System vulnerability to cyber attack resulting in security breach on NAMRIA network or system		4.59%	4.59%			
- Subscribe to vulnerability/penetration testing		50.00%	50.00%			
- Monitor performance of vulnerability/ penetration testing services for ICT infrastructure and web application		50.00%	50.00%			
LOCALLY-FUNDED						
NAMRIA Geospatial Data Infrastructure		90.75	90.75	100		
1. System Analysis	1 System analyzed	16.00% (1 System)	16.00% (1 System)			
2. System Design	1 System designed	8.00% (1 System)	8.00% (1 System)			
3. Application Development	1 Program developed	37.00% (1 Program)	37.00% (1 Program)			
4. System Implementation	1 System implemented	4.25% (1 System)	4.25% (1 System)			
5. System Maintenance	5 System maintenanced	6.25% (5 systems)	6.25% (5 systems)			

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6. Database Maintenance	1 database maintained	19.25% (LNL; DI)	19.25% (LNL; DI)			
Risk No. R-G-2018-15 - Slow internet speed of online users Knowledge Services Process - Monitor performance of cloud hosting with content delivery network for the Geoportal Philippines		91.63%	91.63%			

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