

National Mapping and Resource Information Authority
Physical Performance Report
As of December 31, 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)	December 1-31 (Fourth Quarter)	As of December 31, 2019			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
1. Hydrographic Surveys		100	96.40	96.40		
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)	100% (2,500 sq km Panay Gulf; 2,500 sq km Sulu Sea)	100% (Vic. of Romblon, Sibuyan, Tablas, Panay and Masbate Is.= 5,000 sq km)			
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%	82.00%		BRPH Presbitero: Operational but was restricted due to the problems encountered during the repair of the air conditioning system.	Bow thruster purchase request (PR) for approval of the Administrator.
					BRPH Hilzon: 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 procurement for the tune-up and calibration of the starboard main engine.
5. Maintenance and Operation of Magnetic Observatory						
- 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		100	100	100		
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts	100% (8 charts)	100% (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	100% (13 charts)	100% (13 charts)			
	1 EEZ Chart	100%	100%			
	2 General Charts	100% (2 charts)	100% (2 charts)			
	15 Master Charts	100% (15 charts)	100% (15 charts)			
	10 ENCs compiled and updated	100% (10 charts)	100% (10 charts)			
	2,000 charts	100% (2,000 charts)	100% (2,000 charts)			
	6,000 charts 2,000 copies (2020 TCTs)	100% (6,000 charts) 100% (2,000 copies)	100% (6,000 charts) 100% (2,000 copies)			
3. Maritime Publications and Support Services		100	98.12	98.12		
1. Publication of Philippine Notices to Mariners (NTM) and Navigational Warnings	100% NW emailed to NAVAREA XI Coordinator 12 NTMs emailed to clients	100% (100%) NW/12 NTMs	100.00% (158 NW/12 NTMs)			
2. Publication of Philippine List of Lights (PLL)	2020 Edition of PLL published	100%	100%			
3. Publication of Philippine Coast Pilot (PCP) Book	Coast Pilot Book published	100%	92.50%		Still processing the mass production with the printing company selected by Bids and Awards Committee (BAC).	
4. Delineation of municipal waters (MW)	100% of LGUs assisted	100% (100% of LGUs)	100% (100% (82 LGUs))			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
4. Physical Oceanographic Surveys		100	99.95	99.95		
1. Maintenance of tide stations - Annual inspection and releveling	50 stations inspected and releveled	25.00% (50 stations)	25.00% (50 stations)			
2. Acquisition of physical oceanographic data 2.1 Operation of tide stations - Sea level measurements	50 stations sea level measured	12.52% (50 stations)	12.50% (49 stations)		Operation of Davao Tide Station was temporarily suspended due to pier development.	Operation will resume once the development of the pier is completed.
- Downloading of tidal data	50 stations per month	9.96% (50 stations)	9.94% (49 stations)			
- Temperature, density, & salinity measurements	50 stations per month	2.52% (50 stations)	2.51% (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	12.50%	12.50%			
- Temperature, density, & salinity	100% of submitted monthly datasets	12.50%	12.50%			
4. Oceanographic data management 4.1 Updating and maintenance of NODC - Databasing & archiving of sea level and other physical oceanographic data	100% of downloaded/retrieved months datasets	2.50%	2.50%			
- Updating of tidal datum planes	100% of downloaded/retrieved months datasets	2.50%	2.50%			
4.2 Preparation of Tide and Current Tables (TCTs) - Tide and Current Prediction manuscript	1 manuscript	10.00%	10.00%			
- Quality Control	1 manuscript	2.00%	2.00%			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
- Printing	2,000 copies	3.00% (2,000 copies)	3.00% (2,000 copies)			
4.3 Provision of tidal information		5.00%	5.00%			
- Updating of tidal information on nautical charts	40 Nautical charts	(40 nautical charts)	(75 nautical charts)			
- Provision and certification of oceanographic information	100% acted upon request	(100% acted upon request)	(85 clients)			
Program: Mapping and Geodesy						
1. Large-scale Base Mapping		100	100	100		
a. Production of New-Series Large-Scale topographic base maps at 1:4,000 scale	360 mapsheets	100% (360 map sheets)	100% (360 map sheets)			
b. Unified Mapping						
b.1 Feature extraction for production of large-scale 1:10,000 topographic maps	1,500 mapsheets	100% (1,500 map sheets)	100% (1,500 map sheets)			
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	100% (55 map sheets)	100% (55 map sheets)			
2. Medium and Small Scale Mapping		100	100	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	100% (45 mapsheets)	100% (45 mapsheets)			

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1.b Contract Out (Feature extraction w/o enhancement)	45 mapsheets	100% (45 mapsheets)	100% (45 mapsheets)			
2. Topographic database mapping	66 mapsheets	100% (66 mapsheets)	100% (66 mapsheets)			
B. Small Scale Mapping (1:250,000)	5 mapsheets	100% (5 mapsheets)	100% (5 mapsheets)			
3. Administrative Mapping		100	100	100		
1. Provincial maps	12 provincial maps	100% (12 provincial maps)	100% (12 provincial maps)			
2. Special Mapping	73 Cities Road Atlas of Luzon Islands	100% (Cities Road Atlas)	100% (Cities Road Atlas)			
4. Map Printing and Reproduction		100	100	100		
1. Printing and Re-printing of topographic, administrative maps & nautical charts	130 mapsheets printed Special Publications: (Centennial Calendar, 2020 Planner, 2020 Calendar, 2020 Tide & Current Tables (TCTs) (80,000 shts/2,500 books)	100% (130 mapsheets) (Centennial Calendar; 2020 Planner; 2020 Calendar; 2020 TCTs)	100% (130 mapsheets) (Centennial Calendar; 2020 Planner; 2020 Calendar; 2020 TCTs)			
5. Modernization of the Philippine Geodetic Reference System (PGRS)		100	100	100		
1. Establishment of AGS	6 AGS	10.00% (6 AGS)	10.00% (6 AGS)			
2. AGS Site selection	7 sites	10.00% (7 sites)	10.00% (7 sites)			
3. Maintenance of AGS	42 AGS	10.00% (42 AGS)	10.00% (42 AGS)			
4. GCP re-observation	1,067 GCPs	20.00% (1,067 GCPs)	20.00% (1,067 GCPs)			
5. Development of PGD 2020	1 training	10.00% (1 training)	10.00% (1 training)			
6. IEC	1 IEC	8.00% (1 Session)	8.00% (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	2.00% (6 AGS/1067 GCPs)	2.00% (6 AGS/1067 GCPs)			
Program: Resource Assessment and Mapping						
1. Forestland Evaluation and Mapping		100	100	100		
1. Land Classification of Unclassified Public Forest	3 Proposed LC maps	100% (3 LC maps)	100% (3 LC maps)			
2. Land Cover Mapping		100	100	100		
Risk Opportunity No. R-G-2018-01	18 provinces	100% (18 provinces)	100% (18 provinces)			
1. Acquisition of latest VHR imageries due to increasing demand for new/ additional data for DRRM and climate change	VHR Satellite Imagery from DOST-ASTI	100%	100%			
3. Coastal Resource Mapping and Assessment		100	100	100		
	14 provinces	100% (14 provinces)	100% (14 provinces)			

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4. ENR Data Integration (Geospatial Data Integration)		100	100	100		
	10 provinces	100% (10 provinces)	100% (10 provinces)			
5. Quadrant Mapping in Preparation for Massive Earthquake (Big One) in Metro Manila		100	100	100		
	5,775 maps	100% (5,775 maps)	100% (6,000 maps)			
Program: Geospatial Information System Management						
1. Information Systems Development & Maintenance		100	100	100		
1. Application Development	5 Programs developed	58.75% (5 programs)	58.75% (5 programs)			
2. System Implementation	5 Systems implemented	10.00% (5 systems)	10.00% (5 systems)			
3. System Maintenance	22 Systems maintained	31.25% (22 systems)	31.25% (22 systems)			
2. Geospatial Database Development & Maintenance		100	100	100		
1. Database Buildup/Maintenance	5 Database buildup	30.00% (5 database)	30.00% (5 database)			
2. Database maintenance	1 Database maintained	11.00% (1 database)	11.00% (1 database)			
3. Database design	1 Database designed	35.00% (1 database)	35.00% (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	14.00% (2 Training Reports)	14.00% (2 Training Reports)			

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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		100	100	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	25.00% (4 IEC materials) (100% events covered)	25.00% (4 IEC materials) 100% (45) Newscoop			
2. Information dissemination and documentation	1 NAMRIA AVP Profile	(1 NAMRIA AVP Profile)	(1 NAMRIA AVP Profile)			
	3 IEC	25.00% (3 IEC)	25.00% (3 IEC)			
	1 Updated List of NAMRIA Products & Services	(1 NAMRIA Prods. & Serv)	(1 NAMRIA Prods. & Serv)			
	6 map and technology exhibits	(6 exhibits)	(8 exhibits)			
	100% requests for photo and video documentation	(100% requests acted)	100% (248 photo and 52 video documentation)			
3. Geomatics Training	100% regular/special/MOA-based training programs conducted	25.00% (100% trainings condtd)	25.00% 100% (47) trainings)			
	1 PRC Accreditation	(1 PRC Accreditation)	(1 PRC Accreditation)			
	2018 NGTC Training Report	(1 Report)	(1 Report)			
4. Client Services	100% clients served	25.00% (100% clients served)	25.00% 100% (7,923) clients)			
	7 Reports	(7 Reports)	(7 Reports)			
	12 Monthly Sales Report	(12 Monthly Sales Reports)	(12 Monthly Sales Reports)			
	5 MSO Inventory Report	(5 MSO Inv. Reports)	(7 MSO Inv. Reports)			
Risk No. R-G-2018-01 - Increasing demand for GIS training						
Knowledge Services Process						
- Conduct in-house trainors for potential GIS trainors		100.00%	100.00%			
- Prepare online tutorial video as new means of training program						

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
4. Information and Communications Technology Resource Management						
100 100 100						
1. Maintenance of computer system	100% of computer system maintained semestrally At least 95% operational in a month	50.00% (1,312 computer systems)	50.00% (1,313 computer systems)			
2. Network/Data center maintenance and administration	1 Network system operational at a minimum of 95% monthly	40.00% (=>95% operational)	40.00% (99.88% operational)			
3. ICT Research and Analysis - Technology case study for NAMRIA deployment and utilization	1 Case Study	5.00% (Final)	5.00% (Final)			
- ICT Resource Management Information System (ICTRM IS) Maintenance	1 ICTRM IS	5.00%	5.00%			
Risk No. R-G-2018-06						
System vulnerability to cyber attack resulting in security breach on NAMRIA network or system						
- 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						
100 100 100						
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 maintained	13.75% (5 systems)	13.75% (5 systems)			

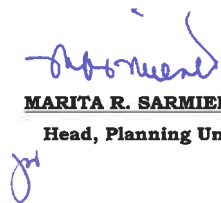
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6. Database Maintenance	1 database maintained	21.00% (LNL; DI)	21.00% (LNL; DI)			
Risk No. R-G-2018-15 - Slow internet speed of online users						
Knowledge Services Process						
- Monitor performance of cloud hosting with content delivery network for the Geoportal Philippines		100.00%	100.00%			

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