

National Mapping and Resource Information Authority

Physical Performance Report

As of December 31, 2018

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 2019
	FY 2018 (Annual)	December 1-31 (Fourth Quarter)	As of December 31, 2018			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
1. Hydrographic Surveys		100	67.52	67.52		
1. Exclusive Economic Zone (West Philippine Sea)	14,500 sq km	100%	0.00%		BRPH Presbitero was not deployed on schedule (March and April) due to major repairs.	The survey window for EEZ are months of March, April, and May. Due to occurrence of moonsoon seasons (NE and SW Moonsoons), survey to resume on the months of March, April, and May next year (2019) should major repairs on BRPH Presbitero be addressed.
2. Archipelagic Waters	17,500 sq km (Sulu Sea=11,103; Panay Gulf=3,000; Moro Gulf=3,397)	100% (17,500 sq km)	64.00% (12,293 sq km)		BRPH Ventura did not complete its survey, the vessel is in need of critical repairs.	BRPH Ventura and BRPH Presbitero are critical for ship survey operations due to troubleshooting, further inspection and check-up by authorized technician. Hydrographic survey will resume upon completion of critical repairs.
3. Ports and Harbors	5 ports and harbors surveyed	100% (5 P&H)	91.10% (5 P&H)		Hydrographic data acquisition completed. Data processing on-going.	Data processing to be completed by 1st quarter of 2019.
4. Management of Survey Platforms	4 survey vessels; 2 rubber boats; 2 motor launches; 9 survey skiffs (3 Multi beam echo sounder (MBES); 6 Single beam echo sounder (SBES)	100%	82.50%		BRPH Ventura's multibeam system is not operational. BRPH Hizon's engine, propeller & MBS (multibeam system) are for repair. BRPH Palma's starboard main engine is not operational, propellers are due for replacement due to deformities and severe cavitation. BRPH Presbitero's portside marine generator set and multibeam system are not operational.	Parts for BRPH Ventura's multibeam system has already been delivered, but command is still awaiting technical instruction for system configuration. Notice to proceed has already been approved for the purchase of propellers and main engine tune-up for BRPH Hizon and BRPH Palma. BRPH Presbitero's Bowthruster is operational but needs further inspection.
5. Maintenance and Operation of Magnetic Observatory						
- Available geomagnetic information	7,310 hourly values per year	100% (7,310 hourly values)	100% (7,752 hourly values)			
- Magnetic Observation of Repeat Stations	16 magnetic repeat stations (MRS)	100% (16 MRS)	100% (16 MRS)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
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)			
	13 Coastal charts	100% (13 charts)	100% (13 charts)			
	1 EEZ Chart	100%	100%			
	2 General Charts	100% (2 charts)	100% (2 charts)			
	10 Master Charts	100% (10 charts)	100% (10 charts)			
2. Data compilation and Update of Electronic Navigational Charts (ENC)	10 ENCs compiled and updated	100% (10 charts)	100% (10 charts)			
3. Manual correction of printed nautical charts	2,000 charts	100% (2,000 charts)	100% (2,004 charts)			
3. Maritime Publications and Support Services		100	100	100		
1. Publication of Philippine Notices to Mariners (NTM) and Navigational Warnings	12 NTMs published @ 1 book monthly	100% (12 NTMs)	100% (12 NTMs)			
2. Revision of Philippine Coast Pilot (PCP) Book	Vol. 1 & 2 manuscript 8th Edition edited	100%	100%			
3. Publication of Philippine List of Lights (PLL)	2018 Edition of PLL published	100%	100%			
4. Delineation of municipal waters (MW)	80 LGUs assisted	100% (80 LGUs)	100% (80 LGUs)			
5. Compilation of coastal charts and maritime zones	12 coastal charts compiled	100% (12 charts compiled)	100% (12 charts compiled)			

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	TARGETS	ACTUAL	Percentage (%) of Accomplishment	ACTUAL	Percentage (%) of Accomplishment	(5)=(4/3)		
1. Maintenance of tide stations (TS) - Annual inspection and releveling - Repair of tide stations 2. Acquisition of physical oceanographic data 2.1 Operation of tide stations (Sea level measurements and downloading of tidal data) 2.2 Re-observation of subordinate stations 2.3 Tidal Current observations 2.4 Wave observations 2.5 Establishment of new tide stations 3. Data processing & analysis 3.1 Processing of physical oceanographic data - Tidal data from tide stations - Tidal data from subordinate tide stations - Tidal current data - Wave data	47 stations inspected and relevelled 3 stations repaired	85.00% (47 stations) 15.00%	85.00% (47 stations) 15.00%	98.06% (47 stations) 13.00%	(4)	(5)=(4/3)	(6)	(7)
4. Physical Oceanographic Surveys	100	100	99.82	99.82				

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
4. Oceanographic data mgmt.						
4.1 Updating & maintenance of NODC	100% of downloaded/retrieved months datasets	100%	98.94%			
4.2 Preparation of Tide and Current Tables (TCTs)	1 manuscript of tide and current prediction prepared	100% (2,000 copies)	100% (2,388 copies)			
4.3 Provision of tidal information (Updating of tidal information on nautical charts and certification of oceanographic information	36 Nautical charts As per request	100% (36 nautical charts)	100% (50 nautical charts) (64 clients)			
Program: Mapping and Geodesy						
1. Large-scale Base Mapping		100	100	100		
a. Production of 1:4,000 scale orthoimage image and topographic maps	360 mapsheets	100% (360 map sheets)	100% (360 map sheets)			
b. Unified Mapping						
b.1 Feature extraction for the production of large-scale 1:10,000 topographic maps	1,800 mapsheets	100% (1,800 map sheets)	100% (1,800 map sheets)			
b.2 Large-scale topographic database management and cartographic enhancement						
a. Topographic database management	115 mapsheets	100% (115 map sheets)	100% (115 map sheets)			
b. Cartographic enhancement	55 mapsheets	100% (55 map sheets)	100% (55 map sheets)			
c. Philippine Islands Inventory						
a. Delineation of coastline and Island classification (In-house)	8 provinces evaluated	100% (8 provinces)	100% (8 provinces)			
b. Delineation of coastline and Island classification (Outsource)	58 provinces delineated	100% (58 provinces)	100% (58 provinces)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
2. Medium and Small Scale Mapping		100	100	100		
1. Medium scale mapping (1:50,000)						
1. Topographic base map updating						
1.a In-house (Feature extraction and evaluation of vector data)	45 mapsheets	100% (45 mapsheets)	100% (45 mapsheets)			
1.b Cartographic enhancement (In-house)	45 mapsheets	100% (45 mapsheets)	100% (45 mapsheets)			
1.c Contract Out (Updating without enhancement)	47 mapsheets	100% (47 mapsheets)	100% (47 mapsheets)			
2. Topographic database mapping	66 mapsheets	100% (66 mapsheets)	100% (66 mapsheets)			
3. Small Scale Mapping (1:250,000)	5 mapsheets	100% (5 mapsheets)	100% (5 mapsheets)			
3. Administrative Mapping		100	100	100		
1. Provincial maps	12 mapsheets	100%	100%			
2. Special Mapping	Road Atlas of Visayas Is.	100%	100%			
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, 2019 Planner, 2019 Calendar, 2019 TCTs)	(130 printed maps) (5,000 Cent. Calendar; 80,000 shts 2019 TCTs; 3,000 shts. Planner; 13,000 shts 2019 Calendar)	(130 printed maps) (5,000 Cent. Calendar; 80,000 shts 2019 TCTs; 3,000 shts. Planner; 13,000 shts 2019 Calendar)			
5. Development and Maintenance of Philippine Geodetic Reference System (PGRS)		100	100	100		
1. Development and maintenance of PGRS						
1.a Establishment of AGS (Outsourced)	5 AGS established	10.00% (5 AGS)	10.00% (5 AGS)			
1.b AGS Site selection	6 sites selected	5.00% (6 sites)	5.00% (6 sites)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
1.c AGS maintenance	40 AGS maintained	5.00% (40 AGS)	5.00% (40 AGS)			
1.d GCP re-observation (Outsourced)	600 GCPs re-observed	20.00% (600 GCPs)	20.00% (600 GCPs)			
1.e Deformation Training (Outsourced)	1 model; 2 trainings conducted	10.00% (2 trainings)	10.00% (2 trainings)			
1.f IEC Campaign	3 sessions of IEC conducted	10.00% (3 IECs)	10.00% (3 IECs)			
1.g Validation of Philippine Geoid Model (PGM)	50 PGM validated	10.00% (50 PGM)	10.00% (50 PGM)			
1.h GCP Maintenance	1,000 GCPs maintained	10.00% (1,000 GCPs)	10.00% (1,000 GCPs)			
1.i Releveling of BMs (Outsourced)	100 km relevelled	5.00% (100 kms)	5.00% (100 kms)			
1.j Densification of gravity stations (GS)	2,000 GS densified	10.00% (2,000 GS)	10.00% (2,000 GS)			
1.k Research and Development	2 papers	5.00%	5.00%			
Program: Resource Assessment and Mapping						
1. Forestland Evaluation and Mapping		100	100	100		
1. Integration of four (4) LC Categories based on 1987 Constitution	2 Provincial maps produced (Proc. mineral reserve)	35.50% (2 LC maps)	35.50% (2 LC maps)			
2. Land Classification of Unclassified Public Forest	3 Proposed LC maps	39.75% (3 LC maps)	39.75% (3 LC maps)			
3. Rectification of LC maps	3 Proposed LC maps for ammendment	12.75% (3 LC maps)	12.75% (3 LC maps)			
4. Retrieval of LC corner monument and survey of the 30m buffer zone in Boracay	1 Map	12.00% (1 map)	12.00% (1 map)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
2. Land Cover Mapping		100	100	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	20 provinces VHR Satellite Imagery from DOST-ASTI	100% (20 provinces) 100.00%	100% (20 provinces) 100.00%			
3. Coastal Resource Mapping and Assessment		100	100	100		
	17 provinces	(17 provinces)	(17 provinces)			
4. Mapping and Assessment of Low-lying Areas Vulnerable to Sea Level Rise		100	100	100		
	67 provinces	(67 provinces)	(67 provinces)			
5. ENR Data Integration		100	100	100		
A. Geospatial data integration	12 provinces	100% (12 provinces)	100% (12 provinces)			
B. Geospatial information archiving	220 maps (various projects)	100% (220 maps)	100% (220 maps)			
Program: Geospatial Information System Management						
1. Information Systems Development & Maintenance		100	100	100		
1. System Analysis	8 Client Requirements Assessment Report	21.50% (8 systems)	21.50% (8 systems)			
2. System Design	8 System Design Document (SDD)	12.50% (8 systems)	12.50% (8 systems)			
3. Application Development	6 Program Source Codes	33.50% (6 programs)	33.50% (6 programs)			
4. System Implementation	6 Users Manual	6.00% (6 systems)	6.00% (6 systems)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
5. System Maintenance	18 Systems Monitoring Report	13.50% (18 systems)	13.50% (18 systems)			
6. Updating of NAMRIA Website	Updated contents of website	7.00%	7.00%			
7. Concept paper/Proj. Proposal Prep	Concept Paper/Project Proposal	6.00% (Final; Paper Present'n)	6.00% (Final; Paper Present'n)			
2. Database Design and Development		100	100	100		
1. Data Requirement Analysis	4 Client Requirement Assessment Report-Dat Holdings	17.50% (4 database)	17.50% (4 database)			
2. Database design	4 Database design document	35.00% (4 database)	35.00% (4 database)			
3. Database maintenance	Updated NAMRIA Databases: Philippine Geoportal (PG); NAMRIA Geoportal Information Management System (NGIMS)	17.50%	17.50%			
4. Technical support						
- LGU GIS Capability Assessment	Management System (NGIMS)	15.00% (Final)	15.00% (Final)			
- Other technical assistance	Client Request Acceptance	15.00%	15.00%			
Risk Opportunity No. R-G-2018-05						
1. Conduct meeting with NAMRIA GI producing Branches concerning geo- spatial datasets to discuss status of uploaded layers	Highlights of the meeting	100%	100%			
Risk Opportunity No. R-G-2018-07						
1. Prepare data validation sheet	Data validation sheet	100%	100%			

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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 & Packaging	4 NAMRIA IEC materials published	10.20% (4 IEC materials)	10.20% (4 IEC materials)			
	100% events printed issues through Newscoop and graphic arts/digital layout designs for significant events	11.30% (100% events covered) (14 graphic arts)	11.30% (61 Newscoop) (14 graphic arts)			
	1 NAMRIA AVP Profile	3.50%	3.50%			
2. Information dissemination and documentation	4 IEC conducted	25.00% (4 IECs)	25.00% (4 IECs)			
	6 map and technology exhibits	(6 exhibits)	(6 exhibits)			
	100% requests for photo and video documentation	(100% requests acted)	(159 photo & 40 video docs)			
3. Geomatics Training	100% regular/special/MOA-based training programs conducted	25.00% (100% trainings conducted)	25.00% (39 trainings)			
	1 PRC Accreditation	(1 Accreditation)	(1 Accreditation)			
	1 NGTC Training Report	(1 Training Report)	(1 Training Report)			
4. Client Services	100% clients served	25.00% (100% clients served)	25.00% (6,752 clients)			
	7 Client Reports	(7 Client Report)	(7 Client Report)			
	12 Monthly Sales Report	(12 Monthly Sales Report)	(12 Monthly Sales Report)			
	17 MSO Inventory Report	(17 MSO Inventory Report)	(17 MSO Inventory Report)			
	1 MSO Assembly conducted	(1 MSO Assembly)	(1 MSO Assembly)			
Risk Opportunity No. R-G-2018-04						
1. Inclusion of expectation setting in the IEC Program and giving emphasis to lowly-rated parameters	Revised IEC Program	100%	100%			

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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 652 computer system (twice per year)	100% computer system maintained twice per year	50.00% (1,304 computer system)	50.00% (1,304 computer system)			
2. Network/Data center maintenance and administration	At least 95% operational in a month	(=>95% operational)	(99.99% operational)			
3. ICT Research and Development	1 Network system operational at a minimum of 95% monthly	40.00% (=>95% operational)	40.00% (99.89% operational)			
- Technology case study for NAMRIA deployment and utilization	1 Case Study	5.00% (Final paper)	5.00% (Final paper)			
- ICT Resource Management Information System (ICTRM IS) Maintenance	1 ICTRM IS	5.00%	5.00%			
Risk Opportunity No. R-G-2018-08						
1. Activate disaster recovery facility	Configured servers and NAS	50.00%	50.00%			
	Tested high availability	25.00%	25.00%			
	Commissioning Report	25.00%	25.00%			
LOCALLY-FUNDED						
NAMRIA Geospatial Data Infrastructure		100	100	100		
1. System Analysis	1 Client Requirements Assessment Report	18.00%	18.00%			
2. System Design	1 System design document	9.00%	9.00%			
3. Application Development	1 Program Source code/test script	43.00%	43.00%			

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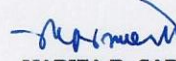
As of December 31, 2018

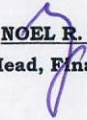
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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
4. System Implementation	1 System User Manual	5.00%	5.00%			
5. System Maintenance	4 System Monitoring Report	11.00% (4 systems)	11.00% (4 systems)			
6. Database Maintenance	1 database maintained	14.00%	14.00%			

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