

National Mapping and Resource Information Authority

Physical Performance Report

As of November 30, 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)	November 1-30 (Fourth Quarter)	As of November 30, 2018			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
1. Hydrographic Surveys		96.20	65.03	67.60		
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)	92.00% (12,104 sq km)	63.00% (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	89.00% (5 P&H)	89.00% (5 P&H)			
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)	100.00%	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	100.00% (7,310 hourly values)	100.00% (7,752 hourly values)		
	- Magnetic Observation of Repeat Stations	16 magnetic repeat stations (MRS)	100.00% (16 MRS)	81.25% (13 MRS)		Geomagnetic observation of remaining stations on-going. Field survey team currently in Antique.

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
2. Nautical Charting		96.29	96.25	99.96		
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts	93.38% (8 charts)	93.38% (8 charts)		Delay was due to ArcGIS training held in November 2018.	To be completed in December 2018.
	2 Approach charts	93.00% (2 charts)	93.00% (2 charts)			
	13 Coastal charts	91.84% (13 charts)	92.92% (13 charts)			
	1 EEZ Chart	100%	100%			
	2 General Charts	86.00% (2 charts)	86.00% (2 charts)			
	10 Master Charts	93.00% (10 charts)	92.20% (9 charts)			
	10 ENC's compiled and updated	96.00% (10 charts)	96.00% (10 charts)			
2. Data compilation and Update of Electronic Navigational Charts (ENC)	2,000 charts	100.00% (2,000 charts)	100.00% (2,004 charts)			
3. Manual correction of printed nautical charts						
3. Maritime Publications and Support Services		90.95	90.95	100		
1. Publication of Philippine Notices to Mariners (NTM) and Navigational Warnings	12 NTMs published @ 1 book monthly	92.00% (11 NTMs)	92.00% (11 NTMs)			
2. Revision of Philippine Coast Pilot (PCP) Book	Vol. 1 & 2 manuscript 8th Edition edited	90.80%	90.80%			
3. Publication of Philippine List of Lights (PLL)	2018 Edition of PLL published	80.00%	80.00%			
4. Delineation of municipal waters (MW)	80 LGUs assisted	93.75% (76 LGUs)	93.75% (76 LGUs)			
5. Compilation of coastal charts and maritime zones	12 coastal charts compiled	85.00% (12 charts finalized)	85.00% (12 charts finalized)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
4. Physical Oceanographic Surveys		95.27	93.88	98.54		
1. Maintenance of tide stations (TS)						
- Annual inspection and releveling	47 stations inspected and releveled	85.00% (47 stations)	85.00% (47 stations)			
- Repair of tide stations	3 stations repaired	15.00% (3 stations)	15.00% (3 stations)			
2. Acquisition of physical oceanographic data						
2.1 Operation of tide stations (Sea level measurements and downloading of tidal data)	47 stations sea level measured	91.63% (47 stations)	90.61% (45 stations)		Two (2) tide stations are unoperational.	Replacement of tide gauge in Mariveles and Surigao have been completed in November 2018.
2.2 Re-observation of subordinate stations	2 stations re-observed	100% (2 stations)	100.00% (2 stations)			
2.3 Tidal Current observations	2 tidal current stations observed	100% (2 stations)	100% (2 stations)			
2.4 Wave observations	2 stations observed	100.00% (2 stations)	100.00% (2 stations)			
2.5 Establishment of new tide stations	3 stations established	100.00% (3 stations)	100.00% (3 stations)			
3. Data processing & analysis						
3.1 Processing of physical oceanographic data						
- Tidal data from tide stations	100% of d-loaded/retrieved mos datasets	64.13%	64.13%			
- Tidal data from subordinate tide stations	2 months datasets processed	10.00% (2 datasets)	10.00% (2 datasets)			
- Tidal current data	2 months datasets processed	10.00% (2 datasets)	10.00% (2 datasets)			
- Wave data	2 months datasets processed	10.00% (2 datasets)	10.00% (2 datasets)			

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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	91.63%	90.61%			
4.2 Preparation of Tide and Current Tables (TCTs)	1 manuscript of tide and current prediction prepared	92.50% (1,000 copies)	92.50% (more than 1,000 copies)			
4.3 Provision of tidal information (Updating of tidal information on nautical charts and certification of oceanographic information	As per request	66.63% (18 nautical charts)	66.63% (46 nautical charts) (73 clients)			
Program: Mapping and Geodesy						
1. Large-scale Base Mapping		53.34	53.34	100		
a. Production of 1:4,000 scale orthoimage image and topographic maps	360 mapsheets	25.00%	95.00% (360 map sheets are being evaluated for final acceptance)			
b. Unified Mapping						
b.1 Feature extraction for the production of large-scale 1:10,000 topographic maps	1,800 mapsheets	25.00%	91.54% (1,655 map sheets)			
b.2 Large-scale topographic database management and cartographic enhancement						
a. Topographic database management	115 mapsheets	97.50% (60 map sheets)	97.50% (60 map sheets)			
b. Cartographic enhancement	55 mapsheets	95.00% (55 map sheets)	95.00% (55 map sheets)			
c. Philippine Islands Inventory						
a. Delineation of coastline and Island classification (In-house)		92.72%	92.72%			
b. Delineation of coastline and Island classification (Outsource)		25.00%	25.00%			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
2. Medium and Small Scale Mapping		96.84	96.84	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	93.06%	93.06%			
1.c Contract Out (Updating without enhancement)	47 mapsheets	99.50%	99.50%			
2. Topographic database mapping	66 mapsheets	96.73%	96.73%			
3. Small Scale Mapping (1:250,000)	5 mapsheets	96.39%	96.39%			
3. Administrative Mapping		97.70	97.70	100		
1. Provincial maps	12 mapsheets	98.00%	98.00%			
2. Special Mapping	Road Atlas of Visayas Is.	97.00%	97.00%			
4. Map Printing and Reproduction		81.87	79.41	97.00		
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; 3,000 shts. Planner)	(122 printed maps) (5,000 Cent. Calendar; 80,000 shts. 2019 TCTs; 3,000 shts. Planner)		Prioritized 2019 Tide and Current Tables due to clients demand.	Printing of topo maps will be completed in December 2018.
5. Development and Maintenance of Philippine Geodetic Reference System (PGRS)		98.28	97.53	99.24		
1. Development and maintenance of PGRS						
1.a Establishment of AGS (Outsourced)	5 AGS established	8.70% (4 AGS)	8.70% (4 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	4.58%	4.58%			
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 releveled	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%	4.25%		Slippage due to other research work activities of the University of the Philippines (U.P)	The MOA was extended from July to December 2018.
Program: Resource Assessment and Mapping						
1. Forestland Evaluation and Mapping		99.00	99.00	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	4 Proposed LC maps	38.75% (3 LC maps)	38.75% (3 LC maps)			
3. Rectification of LC maps	4 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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2. Land Cover Mapping		93.00	93.00	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	93.00% (20 provinces)	93.00% (20 provinces)			
	VHR Satellite Imagery from DOST-ASTI	50.00%	50.00%			
3. Coastal Resource Mapping and Assessment		94.00	94.00	100		
	17 provinces	(17 provinces)	(17 provinces)			
4. Mapping and Assessment of Low-lying Areas Vulnerable to Sea Level Rise		98.50	98.50	100		
	67 provinces	(67 provinces)	(67 provinces)			
5. ENR Data Integration		95.21	95.21	100		
A. Geospatial data integration	12 provinces	93.16% (12 provinces)	93.16% (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		86.25	86.25	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)	10.50% (4 systems)	10.50% (4 systems)			
3. Application Development	6 Program Source Codes	33.50% (6 programs)	33.50% (6 programs)			
4. System Implementation	6 Users Manual	4.00% (4 systems)	4.00% (4 systems)			

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5. System Maintenance	18 Systems Monitoring Report	4.50% (18 systems)	4.50% (18 systems)			
6. Updating of NAMRIA Website	Updated contents of website	6.75%	6.75%			
7. Concept paper/Proj. Proposal Prep	Concept Paper/Project Proposal	5.50% (Final)	5.50% (Final)			
2. Database Design and Development		75.01	75.01	100		
1. Data Requirement Analysis	4 Client Requirement Assessment Report-Dataholdings	17.50% (4 database)	17.50% (4 database)			
2. Database design	4 Database design document	26.26% (4 database)	26.26% (4 database)			
3. Database maintenance	Updated NAMRIA Databases: Philippine Geoportal (PG); NAMRIA Geoportal Information Management System (NGIMS)	8.75%	8.75%			
4. Technical support	Management System (NGIMS)	7.50% (Initial)	7.50% (Initial)			
- LGU GIS Capability Assessment	Client Request Acceptance	15.00%	15.00%			
- Other technical assistance						
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	50.00%	50.00%			
Risk Opportunity No. R-G-2018-07						
1. Prepare data validation sheet	Data validation sheet	50.00%	50.00%			

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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		90.00	90.00	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	9.90%	10.40% (59 Newscoop) (12 graphic arts)			
	1 NAMRIA AVP Profile	3.50%	3.50%			
2. Information dissemination and documentation		19.65%	19.65%			
	4 IEC conducted	(4 IECs)	(4 IECs)			
	6 map and technology exhibits	(6 exhibits)	(6 exhibits)			
	100% requests for photo and video documentation		(152 photo & 35 video docs)			
3. Geomatics Training	100% regular/special/MOA-based training programs conducted	23.25%	23.25% (39 trainings)			
	1 PRC Accreditation	(1 Accreditation)	(1 Accreditation)			
	1 NGTC Training Report	(1 Training Report)	(1 Training Report)			
4. Client Services		23.50%	23.50%			
	100% clients served		(6,279 clients)			
	7 Client Reports	(6 Client Report)	(6 Client Report)			
	12 Monthly Sales Report	(11 Monthly Sales Report)	(11 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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4. Information and Communications Technology Resource Management		92.98	92.98	100		
1. Maintenance of 688 computer system (twice per year)	100% computer system maintained twice per year At least 95% operational in a month	47.99% (1,304 computer system) (=>95% operational)	47.99% (1,304 computer system) (99.99% operational)			
2. Network/Data center maintenance and administration	1 Network system operational at a minimum of 95% monthly	36.65% (=>95% operational)	36.65% (99.88% operational)			
3. ICT Research and Development - Technology case study for NAMRIA deployment and utilization - ICT Resource Management Information System (ICTRM IS) Maintenance	1 Case Study 1 ICTRM IS	3.75% (Final draft) 4.59%	3.75% (Final draft) 4.59%			
Risk Opportunity No. R-G-2018-08						
1. Activate disaster recovery facility	Configured servers and NAS Tested high availability Commissioning Report	50.00% 25.00%	50.00% 25.00%			
LOCALLY-FUNDED						
NAMRIA Geospatial Data Infrastructure		87.25	87.25	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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4. System Implementation	1 System User Manual					
5. System Maintenance	4 System Monitoring Report	5.00% (4 systems)	5.00% (4 systems)			
6. Database Maintenance	1 database maintained	12.25%	12.25%			

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