

## National Mapping and Resource Information Authority

## Physical Performance Report

As of October 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)	October 1-31 (Fourth Quarter)	As of October 31, 2018			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
1. Hydrographic Surveys		80.00	54.12	67.65		
1. Exclusive Economic Zone (West Philippine Sea)	14,500 sq km	95.00%	0.00%		BRPH Presbitero was not deployed on schedule due to major repairs.	Due to time constraints and unforeseen breakdown of other vessels, BRPH Presbitero will be deployed to continue the hydrographic survey of Archipelagic waters instead of EEZ (West Philippine sea). Justification will be prepared ASAP. Hydrographic survey of archipelagic waters will commence on the 1st or 2nd week of November.
2. Archipelagic Waters	17,500 sq km (Sulu Sea=11,103; Panay Gulf=3,000; Moro Gulf=3,397)	69.00%	54.00%		BRPH Ventura did not complete its survey, the vessel is in need of critical repairs.	BRPH Ventura has completed critical repairs. But due to breakdown of BRPH Palma and Hizon, and due to time constraints, the vessel will instead conduct hydro survey of remaining ports and harbor targets. Justification will be prepared ASAP.
3. Ports and Harbors	5 ports and harbors surveyed	(12,104 sq km) 67.00% (5 P&H)	(12,293 sq km) 62.60% (4 P&H)		Port of Cawit: final bathymetric data still on process; Port of Abra de Ilog: Field Survey Team (FST) was suspended due to unfavorable weather condition; Port of Davao: unable to survey due to BRPH Presbitero's engine problem.	Port of Cawit: deliverables partially submitted; Port of Abra de Ilog: deployment planned by 1st week of November; Hydrographic survey of Bicobian Bay, Isabela completed as of 26 October 2018 (joint survey with Philippine navy).
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)	90.00%	75.00%		BRPH Ventura's multibeam system is not operational. BRPH Hizon's engine, propeller & MBS (multibeam system) are for repair. BRPH Palma's portside hydraulic steering cylinder are also for repair, main engine is for tune up, propeller and MBS 1 are subject for replacement. BRPH Presbitero's Bowthruster is not operational.	Parts for BRPH Ventura's multibeam system has already been delivered, but command is still awaiting delivery of 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 has been tested and are already operational.
5. Maintenance and Operation of Magnetic Observatory  - Available geomagnetic information	7,310 hourly values per year	90.00%  (6,579 hourly values)	90.00%  (7,032 hourly values)			
- Magnetic Observation of Repeat Stations	16 magnetic repeat stations (MRS)	68.00%  (11 MRS)	68.00%  (11 MRS)			



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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)			
2. Nautical Charting		86.22	86.22	100					
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts	86.25% (8 charts)	86.25% (8 charts)						
	2 Approach charts	85.00% (2 charts)	85.00% (2 charts)						
	13 Coastal charts	83.07% (13 charts)	83.07% (13 charts)						
	1 EEZ Chart	100%	100%						
	2 General Charts	70.00% (2 charts)	75.00% (2 charts)						
	10 Master Charts	85.00% (10 charts)	88.00% (9 charts)						
2. Data compilation and Update of Electronic Navigational Charts (ENC)	10 ENCs compiled and updated	81.80% (10 charts)	81.80% (10 charts)						
3. Manual correction of printed nautical charts	2,000 charts	92.00% (1,840 charts)	93.20% (1,864 charts)						
3. Maritime Publications and Support Services		82.30	82.30				100		
1. Publication of Philippine Notices to Mariners (NTM) and Navigational Warnings	12 NTMs published @ 1 book monthly	84.00% (10 NTMs)	84.00% (10 NTMs)						
2. Revision of Philippine Coast Pilot (PCP) Book	Vol. 1 & 2 manuscript 8th Edition edited	82.60%	82.60%						
3. Publication of Philippine List of Lights (PLL)	2018 Edition of PLL published	74.00%	74.00%						
4. Delineation of municipal waters (MW)	80 LGUs assisted	85.50% (70 LGUs)	85.50% (70 LGUs)						
5. Compilation of coastal charts and maritime zones	12 coastal charts compiled	80.00% (12 charts reviewed)	80.00% (12 charts reviewed)						



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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
4. Physical Oceanographic Surveys		87.80	86.49	98.51		
1. Maintenance of tide stations (TS)						
- Annual inspection and releveling	47 stations inspected and releveled	77.76% (43 stations)	77.76% (43 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	83.30% (47 stations)	82.17% (45 stations)		Two (2) tide stations are unoperational.	Replacement of tide gauge in Mariveles and Surigao are scheduled 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	75.00% (2 stations)	75.00% (2 stations)			
3. Data processing & analysis						
3.1 Processing of physical oceanographic data						
- Tidal data from tide stations	100% of d-loaded/retrieved mos datasets	58.30%	58.30%			
- 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)	5.00% (1 dataset)		Wave observation still on-going. Data is still being processed.	Data processing will be completed by November 2018



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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
4. Oceanographic data mgmt. 4.1 Updating & maintenance of NODC 4.2 Preparation of Tide and Current Tables (TCTs) 4.3 Provision of tidal information (Updating of tidal information on nautical charts and certification of oceanographic information)	100% of downloaded/retrieved months datasets 1 manuscript of tide and current prediction prepared As per request	83.30% 88.75% (500 copies) 63.30% (18 nautical charts)	82.62% 92.50% (more than 1,000 copies) 63.30% (46 nautical charts) (73 clients)			
Program: Mapping and Geodesy						
1. Large-scale Base Mapping		49.22	49.22	100		
a. Production of 1:4,000 scale orthoimage image and topographic maps b. Unified Mapping b.1 Feature extraction for the production of large-scale 1:10,000 topographic maps b.2 Large-scale topographic database management and cartographic enhancement a. Topographic database management b. Cartographic enhancement	360 mapsheets          1,800 mapsheets          115 mapsheets  55 mapsheets	25.00%          89.78% (60 map sheets) 93.16% (43 map sheets)	25.00%          89.27% (1,150 map sheets)   89.78% (60 map sheets) 93.16% (43 map sheets)			
c. Philippine Islands Inventory a. Delineation of coastline and Island classification (In-house) b. Delineation of coastline and Island classification (Outsource)		85.44%  25.00%	85.44%  25.00%			



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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
2. Medium and Small Scale Mapping		90.91	90.91	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	80.80%	80.80%			
1.c Contract Out (Updating without enhancement)	47 mapsheets	91.22%	91.22%			
2. Topographic database mapping	66 mapsheets	89.27%	89.27%			
3. Small Scale Mapping (1:250,000)	5 mapsheets	94.29%	94.29%			
3. Administrative Mapping		94.10	94.10	100		
1. Provincial maps	12 mapsheets	95.00%	95.00%			
2. Special Mapping	Road Atlas of Visayas Is.	92.00%	92.00%			
4. Map Printing and Reproduction		73.25	72.33	98.74		
1. Printing and Re-printing of topographic, administrative maps & nautical charts	130 mapsheets printed Special Publications: (Centennial Calendar, 2019 Planner, 2019 Calendar, 2019 TCTs)	(114 printed maps)  (5,000 Cent. Calendar)	(111 printed maps)  (5,000 Cent. Calendar; 80,000 shts. 2019 TCTs)		Prioritized 2019 Tide and Current Tables due to clients demand.	Printing of topo maps will be completed in November 2018.
5. Modernization of the Philippine Geodetic Reference System (PGRS)		93.22	92.47	99.20		
1. Development and maintenance of PGRS						
1.a Establishment of AGS (Outsourced)	5 AGS established	7.40% (3 AGS)	7.40% (3 AGS)			
1.b AGS Site selection	6 sites selected	5.00%	5.00%			



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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
1.c AGS maintenance	40 AGS maintained	(6 sites) 4.16%	(6 sites) 4.16%			
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	7.16% (2 IECs)	7.16% (2 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	9.50% (1,900 GS)	9.50% (1,900 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		97.50	97.50	100		
1. Integration of four (4) LC Categories based on 1987 Constitution	2 Provincial maps produced (Proc. mineral reserve)	35.00% (2 LC maps)	35.00% (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	11.75% (3 LC maps)	11.75% (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		75.00	75.00	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	75.00%	75.00%			
	VHR Satellite Imagery from DOST-ASTI	25.00%	25.00%			
3. Coastal Resource Mapping and Assessment		88.65	88.65	100		
	17 provinces	(10 provinces)	(10 provinces)			
4. Mapping and Assessment of Low-lying Areas Vulnerable to Sea Level Rise		90.60	90.60	100		
	67 provinces	(58 provinces)	(58 provinces)			
5. ENR Data Integration		88.05	88.05	100		
A. Geospatial data integration	12 provinces	86.83%	86.83%			
		(10 provinces)	(10 provinces)			
B. Geospatial information archiving	220 maps (various projects)	90.89%	90.89%			
		(200 maps)	(200 maps)			
Program: Geospatial Information System Management						
1. Information Systems Development & Maintenance		79.50	79.50	100		
1. System Analysis	8 Client Requirements Assessment Report	21.50%	21.50%			
		(8 systems)	(8 systems)			
2. System Design	8 System Design Document (SDD)	6.50%	6.50%			
		(4 systems)	(4 systems)			
3. Application Development	6 Program Source Codes	32.00%	32.00%			
		(6 programs)	(6 programs)			
4. System Implementation	6 Users Manual	4.00%	4.00%			
		(4 systems)	(4 systems)			



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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
5. System Maintenance	18 Systems Monitoring Report	4.50% (18 systems)	4.50% (18 systems)			
6. Updating of NAMRIA Website	Updated contents of website	6.50%	6.50%			
7. Concept paper/Proj. Proposal Prep	Concept Paper/Project Proposal	4.50% (Draft 2)	4.50% (Draft 2)			
2. Database Design and Development		63.77	63.77	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	22.52% (4 database)	22.52% (4 database)			
3. Database maintenance	Updated NAMRIA Databases: Philippine Geoportal (PG); NAMRIA Geoportal Information Management System (NGIMS)	8.75%	8.75%			
4. Technical support						
- LGU GIS Capability Assessment	Management System (NGIMS)	7.50% (Initial)	7.50% (Initial)			
- Other technical assistance	Client Request Acceptance	7.50%	7.50%			
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		83.50	82.50	98.80		
1. Media Production & Packaging	4 NAMRIA IEC materials published	10.20%	9.20%		Delay in submission of featured article for Infomapper by assigned writer.	Another writer has been assigned to complete the feature article.  The publication will be out by 20 November 2018.
	100% events printed issues through Newscoop and graphic arts/ digital layout designs for significant events	(4 IEC materials) 9.50%	(3 IEC materials) 10.00%			
			(54 Newscoop) (12 graphic arts)			
	1 NAMRIA AVP Profile	3.50%	3.50%			
2. Information dissemination and documentation		17.60%	17.60%			
	4 IEC conducted	(3 IECs)	(3 IECs)			
	6 map and technology exhibits 100% requests for photo and video documentation	(6 exhibits)	(6 exhibits) (140 photo & 31 video docs)			
3. Geomatics Training	100% regular/special/MOA-based training programs conducted	21.50%	21.50%			
			(35 trainings)			
	1 PRC Accreditation	(1 Accreditation)	(1 Accreditation)			
4. Client Services	1 NGTC Training Report	(1 Training Report)	(1 Training Report)			
		21.20%	21.20%			
	100% clients served		(5,560 clients)			
	7 Client Reports	(6 Client Report)	(6 Client Report)			
	12 Monthly Sales Report	(10 Monthly Sales Report)	(10 Monthly Sales Report)			
	17 MSO Inventory Report	(17 MSO Inventory Report)	(17 MSO Inventory Report)			
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		84.65	84.65	100		
1. Maintenance of 688 computer system (twice per year)	100% computer system maintained twice per year	43.40% (1,141 computer system)	43.40% (1,141 computer system)			
	At least 95% operational in a month	(=>95% operational)	(99.99% operational)			
2. Network/Data center maintenance and administration	1 Network system operational at a minimum of 95% monthly	33.32% (=>95% operational)	33.32% (99.86% operational)			
3. ICT Research and Development - Technology case study for NAMRIA deployment and utilization	1 Case Study	3.75% (Final draft)	3.75% (Final draft)			
- ICT Resource Management Information System (ICTRM IS) Maintenance	1 ICTRM IS	4.18%	4.18%			
Risk Opportunity No. R-G-2018-08						
1. Activate disaster recovery facility	Configured servers and NAS	50.00%	50.00%			
	Tested high availability	20.00%	20.00%			
	Commissioning Report					
LOCALLY-FUNDED						
NAMRIA Geospatial Data Infrastructure		77.50	77.50	100		
1. System Analysis	1 Client Requirements Assessment Report	18.00%	18.00%			
2. System Design	1 System design document	9.00%	9.00%			

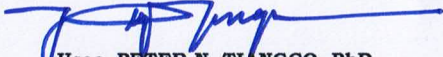


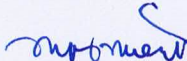
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
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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
3. Program Development	1 Program Source code/test script	35.00%	35.00%			
4. System Implementation	1 System User Manual					
5. System Maintenance	4 System Monitoring Report	5.00%	5.00%			
		(4 systems)	(4 systems)			
6. Database Maintenance	1 database maintained	10.50%	10.50%			

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