

## National Mapping and Resource Information Authority

## Physical Performance Report

As of September 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 Fourth Quarter, FY 2018
	FY 2018 (Annual)	September 1-30 (Third Quarter)	As of September 30, 2018			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
<b>1. Hydrographic Surveys</b>		<b>69.80</b>	<b>49.80</b>	<b>71.35</b>		
1. Exclusive Economic Zone (West Philippine Sea)	14,500 sq km	93.00%	0.00%		BRPH Presbitero was not deployed on schedule due to major repairs.	Survey team will be dispatched by 2nd week of October once major repairs including sea trial are conducted.
2. Archipelagic Waters	17,500 sq km (Sulu Sea=11,103; Panay Gulf=3,000; Moro Gulf=3,397)	53.00% (12,104 sq km)	54.00% (12,293 sq km)			
3. Ports and Harbors	5 ports and harbors surveyed	49.00% (4 P&H)	48.00% (3 P&H)		Deployment of FST to Mindoro was suspended due to unfavorable weather condition.	The survey for Mindoro will be conducted after data acquisition in Bauan, Batangas.
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)	80.00%	70.00%		BRPH Ventura's multibeam system is not operational. BRPH Hizon's engine, propeller & MBS (multibeam system) are for repairs. 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.	On BRPH Ventura, Seismic will send a technician from ELAC to conduct inspection. BRPH Hizon's main engine is for sea trial. Procurement of the following is on-going: 1) BRPH Hizon's propeller and MBS dysfunctional parts; and 2) BRPH Palma's propeller and MBS 1. BRPH Presbitero's Bowthruster Purchase Request was submitted to the Director's Office as of 04 September 2018.
5. Maintenance and Operation of Magnetic Observatory						
- Available geomagnetic information	7,310 hourly values per year	80.00% (5,848 hourly values)	86.00% (6,312 hourly values)			
- Magnetic Observation of Repeat Stations	16 magnetic repeat stations (MRS)	68.00% (11 MRS)	68.00% (11 MRS)			
<b>2. Nautical Charting</b>		<b>77.37</b>	<b>77.37</b>	<b>100</b>		
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts	79.12% (8 charts)	79.12% (8 charts)			
	2 Approach charts	77.00% (2 charts)	77.00% (2 charts)			
	13 Coastal charts	74.30% (13 charts)	74.30% (13 charts)			
	1 EEZ Chart	100%	100%			



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. Data compilation and Update of Electronic Navigational Charts (ENC) . Manual correction of printed nautical charts	2 General Charts	54.00% (2 charts)	60.00% (2 charts)			
	10 Master Charts	77.00% (10 charts)	76.20% (10 charts)			
	10 ENCs compiled and updated	71.20% (10 charts)	71.20% (10 charts)			
	2,000 charts	84.00% (1,680 charts)	87.20% (1,744 charts)			
<b>. Maritime Publications and Support Services</b>		<b>74.75</b>	<b>74.75</b>	<b>100</b>		
. Publication of Philippine Notices to Mariners (NTM) and Navigational Warnings . Revision of Philippine Coast Pilot (PCP) Book . Publication of Philippine List of Lights (PLL) . Delineation of municipal waters (MW) . Compilation of coastal charts and maritime zones	12 NTMs published @ 1 book monthly	75.00% (9 NTMs)	75.00% (9 NTMs)			
	Vol. 1 & 2 manuscript 8th Edition edited	74.40%	74.40%			
	2018 Edition of PLL published	68.00%	68.00%			
	80 LGUs assisted	76.75% (40 LGUs)	76.75% (40 LGUs)			
12 coastal charts compiled	70.00% (12 charts reviewed)	70.00% (12 charts reviewed)				
<b>. Physical Oceanographic Surveys</b>		<b>77.83</b>	<b>77.76</b>	<b>99.91</b>		
. Maintenance of tide stations (TS) . Annual inspection and releveling . Repair of tide stations	47 stations inspected and relevelled	70.52% (39 stations)	70.52% (39 stations)			
	3 stations repaired	10.00% (2 stations)	15.00% (3 stations)			



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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
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	74.97% (47 stations)	74.21% (44 stations)		Three (3) tide stations are unoperational.	Replacement of tide gauge in Calapan, 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	52.47%	52.47%			
- 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	5.00% (1 dataset)	10.00% (2 datasets)			
- Wave data	2 months datasets processed	5.00% (1 dataset)	5.00% (1 dataset)			
4. Oceanographic data mgmt.						
4.1 Updating & maintenance of NODC	100% of downloaded/retrieved months datasets	74.97%	74.63%			
4.2 Preparation of Tide and Current Tables (TCTs)	1 manuscript of tide and current prediction prepared	70.00%	70.00%			
4.3 Provision of tidal information (Updating of tidal information on nautical charts and certification of oceanographic information)	As per request	59.97% (18 nautical charts)	59.97% (44 nautical charts) (68 clients)			



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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
<b>Program: Mapping and Geodesy</b>						
<b>1. Large-scale Base Mapping</b>						
		<b>46.31</b>	<b>46.31</b>	<b>100</b>		
a. Production of 1:4,000 scale orthoimage image and topographic maps	360 mapsheets	25.00%	25.00%			
b. Unified Mapping						
b.1 Feature extraction for the production of large-scale 1:10,000 topographic maps	1,800 mapsheets	25.00%	25.00%			
b.2 Large-scale topographic database management and cartographic enhancement						
a. Topographic database management	115 mapsheets	82.06%	82.06%			
b. Cartographic enhancement	55 mapsheets	88.78%	88.78%			
		(43 map sheets)	(43 map sheets)			
c. Philippine Islands Inventory						
a. Delineation of coastline and Island classification (In-house)		78.16%	78.16%			
b. Delineation of coastline and Island classification (Outsource)		25.00%	25.00%			
<b>2. Medium and Small Scale Mapping</b>						
		<b>83.07</b>	<b>83.07</b>	<b>100</b>		
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%	100%			
		(45 mapsheets)	(45 mapsheets)			
1.b Cartographic enhancement (In-house)	45 mapsheets	68.52%	68.52%			



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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
Contract Out (Updating without enhancement)	47 mapsheets	82.94%	82.94%			
Topographic database updating	66 mapsheets	79.92%	79.92%			
Small Scale Mapping (50,000)	5 mapsheets	85.04%	85.04%			
<b>Administrative Mapping</b>		<b>90.50</b>	<b>90.50</b>	<b>100</b>		
Provincial maps	12 mapsheets	92.00%	92.00%			
Special Mapping	Road Atlas of Visayas Is.	87.00%	87.00%			
<b>Map Printing and Reproduction</b>		<b>65.23</b>	<b>61.54</b>	<b>94.34</b>		
Updating and Re-printing of topographic, administrative maps & nautical charts	130 mapsheets printed Special Publications: (Centennial Calendar, 2019 Planner, 2019 Calendar, 2019 TCTs)	(98 printed maps)  (5,000 Cent. Calendar)	(92 printed maps)  (5,000 Cent. Calendar; 80,000 sheets. 2019 TCTs)		Prioritized 2019 Tide and Current Tables due to clients demand.	Printing of topo maps will be completed in November 2018.
<b>Modernization of the Philippine Geodetic Reference System (PGRS)</b>		<b>84.50</b>	<b>82.45</b>	<b>97.57</b>		
Development and maintenance of PGRS						
Establishment of AGS (outsourced)	5 AGS established	6.10% (2 AGS)	4.80% (1 AGS)		Establishment in CAR is on-going	Establishment will be completed by 15th of October 2018
AGS Site selection	6 sites selected	5.00% (6 sites)	5.00% (6 sites)			
AGS maintenance	40 AGS maintained	3.74%	3.74%			
AGS re-observation (outsourced)	600 GCPs re-observed	15.00% (400 GCPs)	15.00% (400 GCPs)			
AGS Information Training (outsourced)	1 model; 2 trainings conducted	10.00% (2 trainings)	10.00% (2 trainings)			
AGS Campaign	3 sessions of IEC conducted	7.16% (2 IECs)	7.16% (2 IECs)			
Validation of Philippine Geodetic Model (PGM)	50 PGM validated	10.00% (50 PGM)	10.00% (50 PGM)			



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1.h GCP Maintenance	1,000 GCPs maintained	9.00% (900 GCPs)	9.00% (900 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	8.50% (1,700 GS)	8.50% (1,700 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.
<b>Program: Resource Assessment and Mapping</b>						
<b>1. Forestland Evaluation and Mapping</b>		<b>86.25</b>	<b>86.25</b>	<b>100</b>		
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	27.50% (2 LC maps)	27.50% (2 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)			
<b>2. Land Cover Mapping</b>		<b>59.00</b>	<b>59.00</b>	<b>100</b>		
	20 provinces	59.00%	59.00%			
<b>Risk Opportunity No. R-G-2018-01</b>						
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	15.00%	15.00%			
<b>3. Coastal Resource Mapping and Assessment</b>		<b>80.74</b>	<b>80.74</b>	<b>100</b>		
	17 provinces	(7 provinces)	(7 provinces)			
<b>4. Mapping and Assessment of Low-lying Areas Vulnerable to Sea Level Rise</b>		<b>81.90</b>	<b>81.90</b>	<b>100</b>		
	67 provinces	(46 provinces)	(46 provinces)			



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<b>5. ENR Data Integration</b>		<b>79.14</b>	<b>79.14</b>	<b>100</b>		
A. Geospatial data integration	12 provinces	78.00% (8 provinces)	78.00% (8 provinces)			
B. Geospatial information archiving	220 maps (various projects)	81.79% (180 maps)	81.79% (180 maps)			
<b>Program: Geospatial Information System Management</b>						
<b>1. Information Systems Development &amp; Maintenance</b>		<b>73.00</b>	<b>73.00</b>	<b>100</b>		
1. System Analysis	8 Client Requirements Assessment Report	19.50% (8 systems)	19.50% (8 systems)			
2. System Design	8 System Design Document (SDD)	6.50% (4 systems)	6.50% (4 systems)			
3. Application Development	6 Program Source Codes	29.00% (6 programs)	29.00% (6 programs)			
4. System Implementation	6 Users Manual	4.00% (4 systems)	4.00% (4 systems)			
5. System Maintenance	18 Systems Monitoring Report	4.50% (18 systems)	4.50% (18 systems)			
6. Updating of NAMRIA Website	Updated contents of website	6.25%	6.25%			
7. Concept paper/Proj. Proposal Prep	Concept Paper/Project Proposal	3.25% (Draft 1)	3.25% (Draft 1)			
<b>2. Database Design and Development</b>		<b>56.03</b>	<b>56.03</b>	<b>100</b>		
1. Data Requirement Analysis	4 Client Requirement Assessment Report-Dataholdings	14.76% (4 database)	14.76% (4 database)			
2. Database design	4 Database design document	17.52% (2 database)	17.52% (2 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%			



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<b>Risk Opportunity No. R-G-2018-05</b> 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%			
<b>Risk Opportunity No. R-G-2018-07</b> 1. Prepare data validation sheet	Data validation sheet	25.00%	25.00%			
<b>3. Geospatial Information Services and Production of NAMRIA Information, Education, and Communication Materials</b>		<b>71.29</b>	<b>71.29</b>	<b>100</b>		
1. Media Production & Packaging	4 NAMRIA IEC materials published	4.20%	4.20%			
	100% events printed issues through Newscoop and graphic arts/ digital layout designs for significant events	(3 IEC materials) 9.10%	(3 IEC materials) 9.60%			
	1 NAMRIA AVP Profile	3.50%	3.50%			
2. Information dissemination and documentation	4 IEC conducted	15.79%	16.40%			
	6 map and technology exhibits	(3 IECs) 15.79%	(3 IECs) 16.40%			
	100% requests for photo and video documentation	(4 exhibits) 15.79%	(5 exhibits) 16.40%			
3. Geomatics Training	100% regular/special/MOA-based training programs conducted	19.25%	19.25%			
	1 PRC Accreditation	(1 Accreditation) 19.25%	(1 Accreditation) 19.25%			
	1 NGTC Training Report	(1 Training Report) 19.25%	(1 Training Report) 19.25%			
4. Client Services	100% clients served	19.45%	19.45%			
	7 Client Reports	(6 Client Report) 19.45%	(6 Client Report) 19.45%			
	12 Monthly Sales Report	(9 Monthly Sales Report) 19.45%	(9 Monthly Sales Report) 19.45%			
	17 MSO Inventory Report	(16 MSO Inventory Report) 19.45%	(16 MSO Inventory Report) 19.45%			



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<b>Risk Opportunity No. R-G-2018-04</b> 1. Inclusion of expectation setting in the IEC Program and giving emphasis to lowly-rated parameters	Revised IEC Program	100%	100%			
<b>4. Information and Communications Technology Resource Management</b>		<b>76.32</b>	<b>76.32</b>	<b>100</b>		
1. Maintenance of 688 computer system (twice per year)	100% computer system maintained twice per year	38.81%	38.81%			
2. Network/Data center maintenance and administration	At least 95% operational in a month	(978 computer system)	(978 computer system)			
3. ICT Research and Development	1 Network system operational	(=>95% operational)	(99.99% operational)			
- Technology case study for NAMRIA deployment and utilization	1 Case Study	29.99%	29.99%			
- ICT Resource Management	1 ICTRM IS	(=>95% operational)	(99.85% operational)			
- Information System (ICTRM IS) Maintenance		3.75%	3.75%			
		(Final draft)	(Final draft)			
		3.77%	3.77%			
<b>Risk Opportunity No. R-G-2018-08</b> 1. Activate disaster recovery facility	Configured servers and NAS	50.00%	50.00%			
	Tested high availability	10.00%	10.00%			
	Commissioning Report					
<b>LOCALLY-FUNDED</b>						
<b>NAMRIA Geospatial Data Infrastructure</b>		<b>67.75</b>	<b>67.75</b>	<b>100</b>		
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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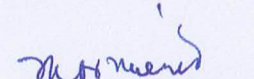
As of September 30, 2018

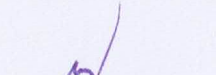
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3. Program Development	1 Program Source code/test script	27.00%	27.00%			
4. System Implementation	1 System User Manual					
5. System Maintenance	4 System Monitoring Report	5.00%	5.00%			
5. Database Maintenance	1 database maintained	(4 systems) 8.75%	(4 systems) 8.75%			

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