

## National Mapping and Resource Information Authority

## Physical Performance Report

As of August 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 Fourth Quarter, FY 2018
	FY 2018 (Annual)	August 1-31 (Third Quarter)	As of August 31, 2018			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
<b>1. Hydrographic Surveys</b>		<b>59.00</b>	<b>41.78</b>	<b>70.81</b>		
1. Exclusive Economic Zone (West Philippine Sea)	14,500 sq km	90.00%	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)	51.00% (8,550 sq km)	64.00% (12,293 sq km)			
3. Ports and Harbors	5 ports and harbors surveyed	21.00% (3 P&H)	17.50% (3 P&H)		Final bathymetric data of Port of Cawit, Boac is still in process. Deployment of FST to Mindoro was suspended due to unfavorable weather condition.	Deliverables of Port of Cawit, Boac will be submitted by September. In lieu of Mindoro, the Command will survey Port of Davao/Zamboanga upon availability of ADO by September.
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)	70.00%	67.50%		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.	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
5. Maintenance and Operation of Magnetic Observatory						
- Available geomagnetic information	7,310 hourly values per year	70.00% (5,117 hourly values)	70.00% (5,616 hourly values)			
- Magnetic Observation of Repeat Stations	16 magnetic repeat stations (MRS)	56.00% (9 MRS)	49.80% (8 stations)		Deployment was delayed due to coordination of repairs of GDAS	Field survey team already in survey area will conduct Magnetic Survey until third week of September.
<b>2. Nautical Charting</b>		<b>71.26</b>	<b>71.26</b>	<b>100</b>		
1. Data compilation and/or enhancement of nautical charts						
	8 Harbor charts	72.50% (7 charts)	72.50% (7 charts)			
	2 Approach charts	70.00% (2 charts)	70.00% (2 charts)			
	13 Coastal charts	66.15% (13 charts)	66.15% (13 charts)			
	1 EEZ Chart	100%	100%			

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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	2 General Charts	40.00% (2 charts)	60.00% (2 charts)			
	10 Master Charts	70.00% (10 charts)	70.00% (10 charts)			
	10 ENCs compiled and updated	68.00% (10 charts)	68.00% (10 charts)			
	2,000 charts	76.00% (1,520 charts)	77.20% (1,544 charts)			
<b>3. Maritime Publications and Support Services</b>		<b>67.30</b>	<b>67.30</b>	<b>100</b>		
1. Publication of Philippine Notices to Mariners (NTM) and Navigational Warnings	12 NTMs published @ 1 book monthly	67.00% (8 NTMs)	67.00% (8 NTMs)			
2. Revision of Philippine Coast Pilot (PCP) Book	Vol. 1 & 2 manuscript 8th Edition edited	66.30%	66.30%			
3. Publication of Philippine List of Lights (PLL)	2018 Edition of PLL published	62.00%	62.00%			
4. Delineation of municipal waters (MW)	80 LGUs assisted	70.00% (35 LGUs)	70.00% (35 LGUs)			
5. Compilation of coastal charts and maritime zones	12 coastal charts compiled	60.00% (12 charts compiled)	60.00% (12 charts compiled)			
<b>4. Physical Oceanographic Surveys</b>		<b>71.30</b>	<b>71.30</b>	<b>100</b>		
1. Maintenance of tide stations (TS) - Annual inspection and releveling - Repair of tide stations	47 stations inspected and relevelled 3 stations repaired	63.28% (35 stations) 10.00% (2 stations)	63.28% (35 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	66.64% (47 stations)	66.40% (47 stations)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
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	62.50% (1 station)	100% (2 stations)			
2.4 Wave observations	2 stations observed	100.00% (2 stations)	62.50% (1 station)			
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 downloaded/ retrieved months datasets	46.64%	46.64%			
- 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)	5.00% (1 dataset)			
- 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	66.64%	66.40%			
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	56.64% (18 nautical charts)	56.64% (43 nautical charts) (61 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>43.03</b>	<b>43.03</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	74.34%	74.34%			
b. Cartographic enhancement	55 mapsheets	78.15%	78.15%			
		(60 map sheets)	(60 map sheets)			
		(30 map sheets)	(30 map sheets)			
c. Philippine Islands Inventory						
a. Delineation of coastline and Island classification (In-house)		70.89%	70.89%			
b. Delineation of coastline and Island classification (Outsource)		25.00%	25.00%			
<b>2. Medium and Small Scale Mapping</b>		<b>74.67</b>	<b>74.67</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	97.50%	97.50%			
1.b Cartographic enhancement (In-house)	45 mapsheets	56.27%	56.27%			

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1.c Contract Out (Updating without enhancement)	47 mapsheets	74.67%	74.67%			
2. Topographic database mapping	66 mapsheets	70.57%	70.57%			
3. Small Scale Mapping (1:250,000)	5 mapsheets	75.78%	75.78%			
<b>3. Administrative Mapping</b>		<b>78.40</b>	<b>78.40</b>	<b>100</b>		
1. Provincial maps	12 mapsheets	79.00%	79.00%			
2. Special Mapping	Road Atlas of Visayas Is.	77.00%	77.00%			
<b>4. Map Printing and Reproduction</b>		<b>57.21</b>	<b>57.21</b>	<b>100</b>		
1. Printing and Re-printing of topographic, administrative maps & nautical charts	130 mapsheets printed Special Publications: (Centennial Calendar, 2019 Planner, 2019 Calendar, 2019 TCTs)	(82 printed maps) (5,000 Cent. Calendar)	(80 printed maps) (5,000 Cent. Calendar; 32,500 shts. 2019 TCTs)			
<b>5. Modernization of the Philippine Geodetic Reference System (PGRS)</b>		<b>75.78</b>	<b>75.03</b>	<b>99.01</b>		
1. Development and maintenance of PGRS						
1.a Establishment of AGS (Outsourced)	5 AGS established	4.80% (1 AGS)	4.80% (1 AGS)			
1.b AGS Site selection	6 sites selected	5.00% (6 sites)	5.00% (6 sites)			
1.c AGS maintenance	40 AGS maintained	3.32%	3.32%			
1.d GCP re-observation (Outsourced)	600 GCPs re-observed	10.00% (200 GCPs)	10.00% (200 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)			

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1.h GCP Maintenance	1,000 GCPs maintained	8.00% (800 GCPs)	8.00% (800 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	7.50% (1,500 GS)	7.50% (1,500 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>71.25</b>	<b>71.25</b>	<b>100</b>		
1. Integration of four (4) LC Categories based on 1987 Constitution	2 Provincial maps produced (Proc. mineral reserve)	32.50% (1 LC map)	32.50% (1 LC map)			
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	11.25% (2 LC maps)	11.25% (2 LC maps)			
<b>2. Land Cover Mapping</b>		<b>50.00</b>	<b>50.00</b>	<b>100</b>		
	20 provinces					
<b>3. Coastal Resource Mapping and Assessment</b>		<b>69.47</b>	<b>69.47</b>	<b>100</b>		
	17 provinces	(3 provinces)	(3 provinces)			
<b>4. Mapping and Assessment of Low-lying Areas Vulnerable to Sea Level Rise</b>		<b>75.70</b>	<b>75.70</b>	<b>100</b>		
	67 provinces	(36 provinces)	(36 provinces)			

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<b>5. ENR Data Integration</b>		<b>68.47</b>	<b>68.47</b>	<b>100</b>		
A. Geospatial data integration	12 provinces	66.66% (6 provinces)	66.66% (6 provinces)			
B. Geospatial information archiving	220 maps (various projects)	72.69% (160 maps)	72.69% (160 maps)			
<b>Program: Geospatial Information System Management</b>						
<b>1. Information Systems Development &amp; Maintenance</b>		<b>64.25</b>	<b>64.25</b>	<b>100</b>		
1. System Analysis	8 Client Requirements Assessment Report	15.50% (8 systems)	15.50% (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	26.00% (6 programs)	26.00% (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	6.00%	6.00%			
7. Concept paper/Proj. Proposal Prep	Concept Paper/Project Proposal	1.75%	1.75%			
<b>2. Database Design and Development</b>		<b>53.03</b>	<b>53.03</b>	<b>100</b>		
1. Data Requirement Analysis	4 Client Requirement Assessment Report-Dataholdings	11.76% (4 database)	11.76% (4 database)			
2. Database design	4 Database design document	8.76% (2 database)	8.76% (2 database)			
3. Database deployment	4 Test database deployment script	8.76% (2 database)	8.76% (2 database)			
4. Database maintenance	1 updated NAMRIA database for all information systems	8.75%	8.75%			
5. Technical support	Assessment Report	7.50%	7.50%			
- LGU GIS Capability Assessment						
- Other technical assistance	Client Request Acceptance	7.50%	7.50%			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
<b>3. Geospatial Information Services and Production of NAMRIA Information, Education, and Communication Materials</b>		<b>65.18</b>	<b>65.18</b>	<b>100</b>		
1. Media Production & Packaging	4 NAMRIA IEC materials published  100% events printed issues through Newscoop and graphic arts/digital layout designs for significant events  1 NAMRIA AVP Profile	3.60% (2 IEC materials)  8.45%  3.50%	3.60% (2 IEC materials)  8.95% (39 Newscoop) (11 graphic arts)  3.50%			
2. Information dissemination and documentation	4 IEC conducted 6 map and technology exhibits 100% requests for photo and video documentation	14.68% (3 IECs) (4 exhibits)	14.94% (3 IECs) (4 exhibits) (110 photo & 25 video docs)			
3. Geomatics Training	100% regular/special/MOA-based training programs conducted 1 PRC Accreditation 1 NGTC Training Report	17.50% (1 Accreditation) (1 Training Report)	17.50% (27 trainings) (1 Accreditation) (1 Training Report)			
4. Client Services	100% clients served 7 Client Reports 12 Monthly Sales Report 17 MSO Inventory Report	17.45% (5 Client Report) (8 Monthly Sales Report) (15 MSO Inventory Report)	17.45% (4,081 clients) (5 Client Report) (8 Monthly Sales Report) (15 MSO Inventory Report)			
<b>4. Information and Communications Technology Resource Management</b>		<b>66.74</b>	<b>66.74</b>	<b>100</b>		
1. Maintenance of 688 computer system (twice per year)	100% computer system maintained twice per year At least 95% operational in a month	34.22% (815 computer system) (=>95% operational)	34.22% (815 computer system) (99.99% operational)			
2. Network/Data center maintenance and administration	1 Network system operational at a minimum of 95% monthly	26.66% (=>95% operational)	26.66% (99.88% operational)			




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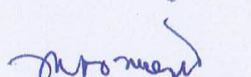

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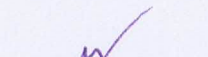
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3. ICT Research and Development - Technology case study for NAMRIA deployment and utilization - ICT Resource Management Information System (ICTRM IS) Maintenance	1 Case Study  1 ICTRM IS	2.50% (abstract, data gathering)  3.36%	2.50% (abstract, data gathering)  2.94%			
<b>LOCALLY-FUNDED</b>						
<b>NAMRIA Geospatial Data Infrastructure</b>		<b>56.00</b>	<b>56.00</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%			
3. Program Development	1 Program Source code/test script	17.00%	17.00%			
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	7.00%	7.00%			

APPROVED BY:

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