

## National Mapping and Resource Information Authority

## Physical Performance Report

As of October 31, 2019

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 2020
	FY 2019 (Annual)	October 1-31 (Fourth Quarter)	As of October 31, 2019			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
<b>1. Hydrographic Surveys</b>		<b>91.19</b>	<b>86.43</b>	<b>94.78</b>		
1. Exclusive Economic Zone	4,000 sq km (Philippine Sea/Philippine Rise)	100.00% (4,000 sq km)	100.00% (4,400 sq km)			
2. Archipelagic Waters/Sealanes	5,000 sq km (2,500 sq km Panay Gulf; 2,500 sq km Sulu Sea)	87.60% (Panay Gulf; Sulu Sea)	90.00% (Vic. of Romblon, Sibuyan, Tablas, Panay & Mas. Is.)			
3. Ports and Harbors	8 Ports and Harbors	100.00% (8 Ports)	99.22% (8 Ports)			
4. Maintenance and operation of survey vessels	4 survey vessels; 2 motor launches; 11 survey skiffs (36 Multi beam echo sounder (MBES); 27 Single beam echo sounder (SBES)	90.00%	67.00%		<b>BRPH Ventura:</b> Delayed completion of drydocking due to delayed approval of GAA. Contractor's requests for extension which were approved on the repair of CPP and installation of radar equipment.	Constant communication with the contractor and procurement project monitoring to speed-up repairs and ensure completion of procurement projects the soonest possible time.
5. Maintenance and Operation of Magnetic Observatory					<b>BRPH Hizon:</b> Main engines not operational. Contractor's request for extension was approved. Propellers need to be replaced. Funds for procurement of propellers is not enough, so only one propeller was procured.	Constant communication with contractor and monitor progress of repair to ensure completion in the soonest possible time. Prioritize procurement of one or more propeller and drydocking next year.
- Available geomagnetic information	7,310 hourly values per year	90.00% (6,579 hourly values)	96.52% (7,056 hourly values)			
- Magnetic Observation of Repeat Stations	18 magnetic force from magnetic repeat stations (MRS)	66.66% (12 MRS)	83.32% (15 MRS)			
<b>2. Nautical Charting</b>		<b>80.02</b>	<b>80.02</b>	<b>100</b>		
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts	87.50% (8 charts)	87.50% (8 charts)			
	2 Approach charts	100.00% (2 charts)	100.00% (2 charts)			

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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 4. Reproduction of nautical publications	13 Coastal charts	83.85% (13 charts)	85.77% (13 charts)			
	1 EEZ Chart	70.00%	70.00%			
	2 General Charts	85.00% (2 charts)	85.00% (2 charts)			
	15 Master Charts	84.00% (15 charts)	84.00% (15 charts)			
	10 ENCs compiled and updated	80.00% (10 charts)	80.00% (10 charts)			
	2,000 charts	88.34% (1,820 charts)	88.34% (1,820 charts)			
	6,000 charts 2,000 copies (2020 TCTs)	66.68% (4,000 charts) 66.66% (1,320 copies)	66.68% (4,000 charts) 66.66% (1,320 copies)			
<b>3. Maritime Publications and Support Services</b>		<b>72.94</b>	<b>72.55</b>	<b>99.46</b>		
1. Publication of Philippine Notices to Mariners (NTM) and Navigational Warnings	100% NW emailed to NAVAREA XI Coordinator 12 NTMs emailed to clients	83.50% (100%) NW/10 NTMs	83.50% (100%) NW/10 NTMs			
2. Publication of Philippine List of Lights (PLL)	2020 Edition of PLL published	57.00%	57.00%			
3. Publication of Philippine Coast Pilot (PCP) Book	Coast Pilot Book published	68.00%	66.50%		Awaiting for the Notice of Award.	
4. Delineation of municipal waters (MW)	100% of LGUs assisted	83.20% (100% of LGUs)	83.20% (100% (71 LGUs)			

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<b>4. Physical Oceanographic Surveys</b>		<b>58.32</b>	<b>58.27</b>	<b>99.91</b>		
1. Maintenance of tide stations - Annual inspection and releveling	50 stations inspected and releveled	23.50% (47 stations)	23.50% (47 stations)		Operation of Davao Tide Station was temporarily suspended due to pier development.	Operation will resume once the development of the pier is completed.
2. Acquisition of physical oceanographic data						
2.1 Operation of tide stations						
- Sea level measurements	50 stations sea level measured	10.42% (50 stations)	10.40% (49 stations)			
- Downloading of tidal data	50 stations per month	8.30% (50 stations)	8.28% (49 stations)			
- Temperature, density, & salinity measurements	50 stations per month	2.10% (50 stations)	2.09% (49 stations)			
3. Data processing, analysis & prediction						
3.1 Processing of physical oceanographic data						
- Tidal data from tide stations	100% of downloaded/retrieved mos datasets					
- Temperature, density, & salinity	100% of submitted monthly datasets					
4. Oceanographic data management						
4.1 Updating and maintenance of NODC						
- Databasing & archiving of sea level and other physical oceanographic data	100% of downloaded/retrieved months datasets					
- Updating of tidal datum planes	100% of downloaded/retrieved months datasets					
4.2 Preparation of Tide and Current Tables (TCTs)						
- Tide and Current Prediction manuscript	1 manuscript	10.00%	10.00%			
- Quality Control	1 manuscript	2.00%	2.00%			



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1.b Contract Out (Feature extraction w/o enhancement)		94.05%	94.05%			
2. Topographic database mapping	66 mapsheets	89.27%	89.27%			
B. Small Scale Mapping (1:250,000)	5 mapsheets	93.24%	93.24%			
<b>3. Administrative Mapping</b>		<b>96.20</b>	<b>96.20</b>	<b>100</b>		
1. Provincial maps	12 provincial maps	96.00%	96.00%			
2. Special Mapping	73 Cities Road Atlas of Luzon Islands	96.67%	96.67%			
<b>4. Map Printing and Reproduction</b>		<b>73.25</b>	<b>67.71</b>	<b>92.44</b>		
1. Printing and Re-printing of topographic, administrative maps & nautical charts	130 mapsheets printed Special Publications: (Centennial Calendar, 2020 Planner, 2020 Calendar, 2020 TCTs (80,000 shts/2,500 books)	73.25% (114 mapsheets) (Centennial Calendar)	67.71% (96 mapsheets) (Centennial Calendar; 80,000 shts. 2020 TCTs )		Due to client's demand, the printing of 2020 TCTs was prioritized.	Printing of eighteen (18) maps will be completed in November and December 2019.
<b>5. Modernization of the Philippine Geodetic Reference System (PGRS)</b>		<b>94.76</b>	<b>94.76</b>	<b>100</b>		
1. Establishment of AGS	6 AGS	8.66% (5 AGS)	8.66% (5 AGS)			
2. AGS Site selection	7 sites	10.00% (7 sites)	10.00% (7 sites)			
3. Maintenance of AGS	42 AGS	9.00% (40 AGS)	9.00% (40 AGS)			
4. GCP re-observation	1,067 GCPs	20.00% (1,067 GCPs)	20.00% (1,067 GCPs)			
5. Development of PGD 2020	1 training	10.00% (1 training)	10.00% (1 training)			
6. IEC	1 IEC	8.00% (1 Session)	8.00% (1 Session)			

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7. Validation of Philippine Geoid Model	50 BMs	10.00% (50 PGM)	10.00% (50 PGM)			
8. Releveling of BMs	748 kms	10.00% (748 kms)	10.00% (748 kms)			
9. Densification of gravity stations	2,000 GS	9.10% (1,800 GS)	9.10% (1,800 GS)			
10. Uploading to NGIMS of Geodetic Reference datasets	6 AGS/1067 GCPs					
<b>Program: Resource Assessment and Mapping</b>						
<b>1. Forestland Evaluation and Mapping</b>		<b>90.00</b>	<b>90.00</b>	<b>100</b>		
1. Land Classification of Unclassified Public Forest	3 Proposed LC maps	90.00% (3 LC maps)	90.00% (3 LC maps)			
<b>2. Land Cover Mapping</b>		<b>71.00</b>	<b>70.00</b>	<b>98.59</b>		
<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	18 provinces  VHR Satellite Imagery from DOST-ASTI	71.00% (10 provinces)  100.00%	70.00% (10 provinces)  100.00%			
<b>3. Coastal Resource Mapping and Assessment</b>		<b>84.62</b>	<b>84.62</b>	<b>100</b>		
	14 provinces	84.62% (6 provinces)	84.62% (6 provinces)			

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<b>4. ENR Data Integration (Geospatial Data Integration)</b>		<b>89.80</b>	<b>89.80</b>	<b>100</b>		
	10 provinces	89.80% (9 provinces)	89.80% (9 provinces)			
<b>5. Quadrant Mapping in Preparation for Massive Earthquake (Big One) in Metro Manila</b>		<b>75.00</b>	<b>75.00</b>	<b>100</b>		
	5,775 maps	75.00% (3,750 mapsheets)	75.00% (3,750 mapsheets)			
<b>Program: Geospatial Information System Management</b>						
<b>1. Information Systems Development &amp; Maintenance</b>		<b>75.25</b>	<b>75.25</b>	<b>100</b>		
1. Application Development	5 Programs developed	56.25% (5 programs)	56.25% (5 programs)			
2. System Implementation	5 Systems implemented	6.00% (3 systems)	6.00% (3 systems)			
3. System Maintenance	22 Systems maintained	13.00% (22 systems)	13.00% (22 systems)			
<b>2. Geospatial Database Development &amp; Maintenance</b>		<b>78.00</b>	<b>78.00</b>	<b>100</b>		
1. Database Buildup/Maintenance	5 Database buildup	25.00% (5 database)	25.00% (5 database)			
2. Database maintenance	1 Database maintained	9.00% (1 database)	9.00% (1 database)			
3. Database design	1 Database designed	27.00% (1 database)	27.00% (1 database)			
4. LGU GIS Capability Assessment - LGU Capability Assessment Survey	2 Assessment Survey Reports	10.00% (2 Reports)	10.00% (2 Reports)			
5. Technical support - GIS Training	2 GIS Training Reports	7.00% (1 Training Report)	7.00% (1 Training Report)			

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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>82.20</b>	<b>82.20</b>	<b>100</b>		
1. Media Production and 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	19.50% (4 IEC materials) (100% events covered)	19.50% (4 IEC materials) 100% (37 Newscoop)			
2. Information dissemination and documentation	3 IEC 1 Updated List of NAMRIA Products & Services 6 map and technology exhibits 100% requests for photo and video documentation	19.60% (2 IEC) (1 NAMRIA Prods. & Serv) (5 exhibits) (100% requests acted)	20.10% (2 IEC) (1 NAMRIA Prods. & Serv) (7 exhibits) 100% (208 photo and 47 video documentation)			
3. Geomatics Training	100% regular/special/MOA-based training programs conducted 1 PRC Accreditation 2018 NGTC Training Report	21.50% (100% trainings condtd)  (1 PRC Accreditation) (1 Report)	21.50% 100% (37 trainings)  (1 PRC Accreditation) (1 Report)			
4. Client Services	100% clients served 7 Reports 12 Monthly Sales Report 5 MSO Inventory Report	21.60% (100% clients served) (6 Reports) (10 Monthly Sales Reports) (5 MSO Inv. Reports)	21.60% 100% (6,787 clients) (6 Reports) (10 Monthly Sales Reports) (7 MSO Inv. Reports)			
<b>Risk No. R-G-2018-01 - Increasing demand for GIS training</b> <b>Knowledge Services Process</b> - Conduct in-house trainors for potential GIS trainors - Prepare online tutorial video as new means of training program		50.00%	50.00%			



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<b>4. Information and Communications Technology Resource Management</b>		<b>82.15</b>	<b>82.15</b>	<b>100</b>		
1. Maintenance of computer system	100% of computer system maintained semestrally At least 95% operational in a month	40.90% (1,312 computer systems)	40.92% (1,313 computer systems)			
2. Network/Data center maintenance and administration	1 Network system operational at a minimum of 95% monthly	(=>95% operational) 33.32%	(99.99% operational) 33.32%			
3. ICT Research and Analysis						
- 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%			
<b>Risk No. R-G-2018-06</b> <b>System vulnerability to cyber attack resulting in security breach on NAMRIA network or system</b>						
- Subscribe to vulnerability/penetration testing		50.00%	50.00%			
- Monitor performance of vulnerability/ penetration testing services for ICT infrastructure and web application		50.00%	50.00%			
<b>LOCALLY-FUNDED</b>						
<b>NAMRIA Geospatial Data Infrastructure</b>		<b>84.75</b>	<b>84.75</b>	<b>100</b>		
1. System Analysis	1 System analyzed	16.00% (1 System)	16.00% (1 System)			
2. System Design	1 System designed	8.00% (1 System)	8.00% (1 System)			
3. Application Development	1 Program developed	37.00% (1 Program)	37.00% (1 Program)			
4. System Implementation	1 System implemented					
5. System Maintenance	5 System maintained	6.25% (5 systems)	6.25% (5 systems)			


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6. Database Maintenance	1 database maintained	17.50% (LNL; DI)	17.50% (LNL; DI)			
<b>Risk No. R-G-2018-15 - Slow internet speed of online users</b> <b>Knowledge Services Process</b> - Monitor performance of cloud hosting with content delivery network for the Geoportal Philippines		83.30%	83.30%			

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