

National Mapping and Resource Information Authority  
**Physical Performance Report**  
As of July 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 Fourth Quarter, FY 2019
	FY 2019 (Annual)	July 1-31 (Third Quarter)	As of July 31, 2019			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
<b>1. Hydrographic Surveys</b>		<b>58.91</b>	<b>47.56</b>	<b>80.73</b>		
1. Exclusive Economic Zone (West Philippine Sea/Philippine Rise)	4,000 sq km	98.80% (4,000 sq km)	95.00% (4,400 sq km)		Slippage is on the data processing of surveyed data which will resume after the completion of the hydrographic survey in Manila Bay.	
2. Archipelagic Waters/Sealanes (Bohol Sea)	5,000 sq km					
3. Ports and Harbors	8 Ports and Harbors	89.26% (8 Ports)	57.28% (6 Ports)			Pag-asa Island was aborted due to overwhelming presence of Chinese Militia vessels at the survey area and constant harassment and/or warnings from the Chinese Coast Guard as soon as the NAMRIA vessel and small boats are within 12 NM distant from Subi Reef. Hydrographic survey of Kota Island and Likas Island will not be executed this year due to the delay in the deployment of BRPH Presbitero from 1st week of April to 12 May 2019. The remaining survey window for 12 May to first week of June were allotted for PAGASA Islands and WPS EEZ. Deployment scheduled on April was aborted for Port of Argao due to delays in the repair of generator.
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)	60.00%	39.00%		<b>BRPH Ventura:</b> Repair of controllable pitch propeller on short of awarding status. Delivery term is maximum of 2-months after issuance of Notice to Proceed (NTP).	Constantly follow-up/maintain communication with the contractor after issuance of NTP to facilitate delivery ahead of deadline.
5. Maintenance and Operation of Magnetic Observatory	- Available geomagnetic information	7,310 hourly values per year	60.00% (4,386 hourly values)	65.66% (4,800 hourly values)		
	- Magnetic Observation of Repeat Stations	18 magnetic force from magnetic repeat stations (MRS)	33.00% (6 MRS)	66.00% (12 MRS)	<b>BRPH Hizon:</b> Main engines not operational. Contractor's request for extension was approved due to unforeseen problem in the camshaft.	Constant communication with contractor to facilitate repair.

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<b>2. Nautical Charting</b>		<b>45.94</b>	<b>45.94</b>	<b>100</b>		
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts	59.39% (5 charts)	68.75% (6 charts)			
	2 Approach charts	100.00% (2 charts)	100.00% (2 charts)			
	13 Coastal charts	59.30% (10 charts)	61.23% (10 charts)			
	1 EEZ Chart	23.00%	23.00%			
	2 General Charts	61.50% (2 charts)	61.50% (2 charts)			
	15 Master Charts	58.93% (15 charts)	58.93% (15 charts)			
2. Data compilation and Update of Electronic Navigational Charts (ENC)	10 ENCs compiled and updated	55.00% (6 charts)	62.50% (7 charts)			
3. Manual correction of printed nautical charts	2,000 charts	60.00% (1,400 charts)	60.00% (1,400 charts)			
4. Reproduction of nautical publications	6,000 charts 2,000 copies (2020 TCTs)	8.34% (1,000 charts)	8.34% (1,000 charts)			
<b>3. Maritime Publications and Support Services</b>		<b>48.08</b>	<b>48.08</b>	<b>100</b>		
1. Publication of Philippine Notices to Mariners (NTM) and Navigational Warnings	100% NW emailed to NAVAREA XI Coordinator 12 NTMs emailed to clients	58.40% (100%) NW/7 NTMs	58.40% (100%) NW/7 NTMs			
2. Publication of Philippine List of Lights (PLL)	2020 Edition of PLL published	37.50%	37.50%			
3. Publication of Philippine Coast Pilot (PCP) Book	Coast Pilot published	38.85%	38.85%			
4. Delineation of municipal waters (MW)	100% of LGUs assisted	58.34% (100% of LGUs)	58.34% (100% (42 LGUs)			

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<b>4. Physical Oceanographic Surveys</b>		<b>39.56</b>	<b>39.56</b>	<b>100</b>		
1. Maintenance of tide stations - Annual inspection and releveling	50 stations inspected and relevelled	15.00% (30 stations)	15.00% (30 stations)			
2. Acquisition of physical oceanographic data 2.1 Operation of tide stations - Sea level measurements	50 stations sea level measured	7.28% (50 stations)	7.28% (50 stations)			
- Downloading of tidal data	50 stations per month	5.81% (50 stations)	5.81% (50 stations)			
- Temperature, density, & salinity measurements	50 stations per month	1.47% (50 stations)	1.47% (50 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 - Updating of tidal datum planes	100% of downloaded/retrieved months datasets 100% of downloaded/retrieved months datasets					
4.2 Preparation of Tide and Current Tables (TCTs) - Tide and Current Prediction manuscript - Quality Control - Printing	1 manuscript 1 manuscript 2,000 copies	10.00%	10.00% 2.00%			

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4.3 Provision of tidal information - Updating of tidal information on nautical charts - Provision and certification of oceanographic information	40 Nautical charts  95% acted upon request					
<b>Program: Mapping and Geodesy</b>						
<b>1. Large-scale Base Mapping</b>		<b>41.68</b>	<b>41.68</b>	<b>100</b>		
a. Production of New-Series Large-Scale topographic base maps at 1:4,000 scale	360 mapsheets	25.00% (Ongoing monitoring of contractor's progress)	25.00% (Ongoing monitoring of contractor's progress)			
b. Unified Mapping						
b.1 Feature extraction for production of large-scale 1:10,000 topographic maps	1,500 mapsheets	50.00% (Ongoing monitoring of contractor's progress)	50.00% (Ongoing monitoring of contractor's progress)			
b.2 Quality assessment of outsourced line maps	1,800 mapsheets	58.50% (1,080 map sheets)	58.50% (1,080 map sheets)			
b.3 Large-scale (1:10,000) topographic database management and cartographic enhancement						
a. Topographic databasing	130 mapsheets	64.75% (84 map sheets)	64.75% (84 map sheets)			
b. Cartographic enhancement	55 mapsheets	60.00% (15 map sheets)	60.00% (15 map sheets)			
<b>2. Medium and Small Scale Mapping</b>		<b>62.89</b>	<b>62.89</b>	<b>100</b>		
A. Medium scale mapping (1:50,000)						
1. Topographic base map updating						
1.a In-house (Feature extraction evaluation of vector data and cartographic enhancement)	45 mapsheets	63.05%	63.05%			
1.b Contract Out (Feature extraction w/o enhancement)		69.44%	69.44%			
2. Topographic database mapping	66 mapsheets	61.22%	61.22%			
B. Small Scale Mapping (1:250,000)	5 mapsheets	60.70%	60.70%			

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<b>3. Administrative Mapping</b>		<b>75.07</b>	<b>75.07</b>	<b>100</b>		
1. Provincial maps	12 provincial maps; 1 regional map	75.07%	75.07%			
2. Special Mapping	73 Cities Road Atlas of Luzon Islands	75.07%	75.07%			
<b>4. Map Printing and Reproduction</b>		<b>47.99</b>	<b>43.07</b>	<b>89.75</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)	47.99% (66 mapsheets) (Centennial Calendar)	43.07% (50 mapsheets) (Centennial Calendar; 18,333 shts. 2020 TCTs )		Prioritized the printing of 2020 TCTs due to clients' demand.	
<b>5. Development &amp; Maintenance of Philippine Geodetic Reference System (PGRS)</b>		<b>74.86</b>	<b>72.11</b>	<b>96.33</b>		
1. Establishment of AGS	6 AGS	4.66% (2 AGS)	4.66% (2 AGS)		Region 13 and ARMM were delayed due to peace and order situation.	
2. AGS Site selection	7 sites	10.00% (7 sites)	10.00% (7 sites)			
3. Maintenance of AGS	42 AGS	6.30% (28 AGS)	6.30% (28 AGS)			
4. GCP re-observation	1,067 GCPs	14.50% (767 GCPs)	11.75% (617 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)			
7. Validation of Philippine Geoid Model	50 BMs	10.00% (50 PGM)	10.00% (50 PGM)			
8. Releveling of BMs	748 kms	5.00% (300 kms)	5.00% (300 kms)			
9. Densification of gravity stations	2,000 GS	6.40% (1,200 GS)	6.40% (1,200 GS)			
10. Uploading to NGIMS of Geodetic Reference datasets	6 AGS/1067 GCPs					

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<b>Program: Resource Assessment and Mapping</b>						
<b>1. Forestland Evaluation and Mapping</b>		<b>64.33</b>	<b>64.33</b>	<b>100</b>		
1. Land Classification of Unclassified Public Forest	3 Proposed LC maps	64.33% (1 LC map)	64.33% (1 LC map)			
<b>2. Land Cover Mapping</b>		<b>41.00</b>	<b>41.00</b>	<b>100</b>		
	18 provinces	41.00%	41.00%			
<b>3. Coastal Resource Mapping and Assessment</b>		<b>55.56</b>	<b>55.56</b>	<b>100</b>		
	14 provinces	55.56%	55.56%			
<b>4. ENR Data Integration (Geospatial Data Integration)</b>		<b>57.50</b>	<b>57.50</b>	<b>100</b>		
	10 provinces	57.50% (5 provinces)	57.50% (5 provinces)			
<b>5. Quadrant Mapping in Preparation for Massive Earthquake (Big One) in Metro Manila</b>		<b>70.00</b>	<b>70.00</b>	<b>100</b>		
	5,775 maps	70.00% (3,000 mapsheets)	70.00% (3,000 mapsheets)			
<b>Program: Geospatial Information System Management</b>						
<b>1. Information Systems Development &amp; Maintenance</b>		<b>58.00</b>	<b>58.00</b>	<b>100</b>		
1. Application Development	5 Programs developed	41.25% (5 programs)	41.25% (5 programs)			
2. System Implementation	5 Systems implemented	6.00% (3 systems)	6.00% (3 systems)			
3. System Maintenance	22 Systems maintained	10.75% (22 systems)	10.75% (22 systems)			

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<b>2. Geospatial Database Development &amp; Maintenance</b>		<b>53.50</b>	<b>53.50</b>	<b>100</b>		
1. Database Buildup/Maintenance	5 Database buildup	17.50% (5 database)	17.50% (5 database)			
2. Database maintenance	1 Database maintained	6.00% (1 database)	6.00% (1 database)			
3. Database design	1 Database designed	18.00% (1 database)	18.00% (1 database)			
4. LGU GIS Capability Assessment - LGU Capability Assessment Survey	2 Assessment Survey Reports	5.00% (3 provs/104 LGUs)	5.00% (3 provs/104 LGUs)			
5. Technical support - GIS Training	2 GIS Training Reports	7.00% (1 Training Report)	7.00% (1 Training Report)			
<b>3. Geospatial Information Services and Production of NAMRIA Information, Education, and Communication Materials</b>		<b>55.95</b>	<b>55.95</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	11.75% (2 IEC materials) (100% events covered)	11.75% (2 IEC materials) 100% (22) Newscoop			
2. Information dissemination and documentation	4 IEC 6 map and technology exhibits 100% requests for photo and video documentation	12.00% (1 IEC) (3 exhibits) (100% requests acted)	13.00% (1 IEC) (5 exhibits) 100% (115 photo and 25 video documentation)			
3. Geomatics Training	100% regular/special/MOA-based training programs conducted 1 PRC Accreditation 2018 NGTC Training Report	16.25% (100% trainings condtd) (1 PRC Accreditation) (1 Report)	16.25% 100% (24) trainings (1 PRC Accreditation) (1 Report)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
4. Client Services	100% clients served 7 Reports 12 Monthly Sales Report 5 MSO Inventory Report	15.95% (100% clients served) (5 Reports) (7 Monthly Sales Reports) (3 MSO Inv. Reports)	16.75% 100% (4,818) clients (5 Reports) (7 Monthly Sales Reports) (5 MSO Inv. Reports)			
<b>Risk No. R-G-2018-01 - Increasing demand for GIS training Knowledge Services Process</b> - Conduct in-house trainors for potential GIS trainors - Prepare online tutorial video as new means of training program		30.00%	30.00%			
<b>4. Information and Communications Technology Resource Management</b>		<b>55.90</b>	<b>55.90</b>	<b>100</b>		
1. Maintenance of computer system	100% of computer system maintained semestrally At least 95% operational in a month	27.13% (820 computer systems) (=>95% operational)	27.13% (820 computer systems) (99.99% operational)			
2. Network/Data center maintenance and administration	1 Network system operational at a minimum of 95% monthly	23.33% (=>95% operational)	23.33% (99.95% operational)			
3. ICT Research and Analysis - Technology case study for NAMRIA deployment and utilization - ICT Resource Management Information System (ICTRM IS) Maintenance	1 Case Study 1 ICTRM IS	2.50% (data gathering) 2.94%	2.50% (data gathering) 2.94%			
<b>Risk No. R-G-2018-06 System vulnerability to cyber attack resulting in security breach on NAMRIA network or system</b> - Subscribe to vulnerability/penetration testing - Monitor performance of vulnerability/penetration testing services for ICT infrastructure and web application		50.00% 50.00%	50.00% 50.00%			




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<b>LOCALLY-FUNDED</b>						
<b>NAMRIA Geospatial Data Infrastructure</b>		<b>52.50</b>	<b>52.50</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	10.00% (1 Program)	10.00% (1 Program)			
4. System Implementation	1 System implemented					
5. System Maintenance	5 System maintained	6.25% (5 systems)	6.25% (5 systems)			
6. Database Maintenance	1 database maintained	12.25% (LNL; DI)	12.25% (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 Geoportals Philippines		58.31%	58.31%			

APPROVED BY:

Certified Correct By:

  
**Usec. PETER N. TIANGCO, PhD**  
Department/Agency Head

  
**MARITA R. SARMIENTO**  
Head, Planning Unit

  
**NOEL R. VEGA**  
Head, Finance Unit