

National Mapping and Resource Information Authority  
**Physical Performance Report**  
As of June 30, 2019

<b>Program: Hydrographic and Oceanographic Surveys and Nautical Charting</b>						
<b>Key Programs/Activities/Projects (P/A/Ps) and Performance Indicators</b>	<b>TARGETS</b>		<b>ACTUAL</b>	<b>Percentage (%) of Accomplishment</b>	<b>Reason for Under/Over Performance (Variance)</b>	<b>Catch-Up Plan/Strategy for the Third Quarter, FY 2019</b>
	<b>FY 2019 (Annual)</b>	<b>June 1-30 (Second Quarter)</b>	<b>As of June 30, 2019</b>			
<b>(1)</b>	<b>(2)</b>	<b>(3)</b>	<b>(4)</b>	<b>(5)=(4/3)</b>	<b>(6)</b>	<b>(7)</b>
<b>1. Hydrographic Surveys</b>		<b>51.52</b>	<b>43.21</b>	<b>83.87</b>		
1. Exclusive Economic Zone (West Philippine Sea/Philippine Rise)	4,000 sq km	93.80% (4,000 sq km)	95.00% (4,400 sq km)			
2. Archipelagic Waters/Sealanes (Bohol Sea)	5,000 sq km					
3. Ports and Harbors	8 Ports and Harbors	72.32% (8 Ports)	53.73% (6 Ports)		Pag-asa Island was aborted due to security reason. Delayed deployment of BRPH Presbitero from 1st week of April to 12 May 2019, Kota Island and Likas Island will not be executed this year.	Sual Powerplant and Port of Tilik was surveyed as a substitute for Kota and Tilik Islands.
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)	50.00%	27.00%		<b>BRPH Ventura:</b> Repair of controllable pitch propeller on short of awarding status. Delivery term is maximum of 3-months after issuance of Notice to Proceed (NTP).  <b>BRPH Hizon:</b> Main engines not operational. Contractor requested for extension due to unforeseen problem in the camshaft.	Constantly follow-up/maintain communication with the contractor after issuance of NTP to facilitate delivery ahead of deadline.  Constant communication with contractor to facilitate repair.
5. Maintenance and Operation of Magnetic Observatory						
- Available geomagnetic information	7,310 hourly values per year	50.00% (3,655 hourly values)	56.14% (4,104 hourly values)			
- Magnetic Observation of Repeat Stations	18 magnetic force from magnetic repeat stations (MRS)	33.00% (6 MRS)	44.00% (8 MRS)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
<b>2. Nautical Charting</b>		<b>38.05</b>	<b>38.05</b>	<b>100</b>		
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts	56.26% (5 charts)	62.50% (6 charts)			
	2 Approach charts	100.00% (2 charts)	100.00% (2 charts)			
	13 Coastal charts	50.00% (8 charts)	51.92% (8 charts)			
	1 EEZ Chart					
	2 General Charts	50.00% (1 chart)	50.00% (1 chart)			
	15 Master Charts	46.67% (7 charts)	46.67% (7 charts)			
2. Data compilation and Update of Electronic Navigational Charts (ENC)	10 ENCs compiled and updated	50.00% (6 charts)	55.00% (7 charts)			
3. Manual correction of printed nautical charts	2,000 charts	51.67% (1,200 charts)	51.67% (1,200 charts)			
4. Reproduction of nautical publication						
<b>3. Maritime Publications and Support Services</b>		<b>40.70</b>	<b>40.70</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	50.00% (100%) NW/6 NTMs	50.00% (100%) NW/6 NTMs			
2. Publication of Philippine List of Lights (PLL)	2020 Edition of PLL published	31.00%	31.00%			
3. Publication of Philippine Coast Pilot (PCP) Book	Coast Pilot published	31.80%	31.80%			
4. Delineation of municipal waters (MW)	100% of LGUs assisted	50.02% (100% of LGUs)	50.02% (100% (39 LGUs))			

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<b>4. Physical Oceanographic Surveys</b>		<b>37.48</b>	<b>37.48</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	6.24% (50 stations)	6.24% (50 stations)			
- Downloading of tidal data	50 stations per month	4.98% (50 stations)	4.98% (50 stations)			
- Temperature, density, & salinity measurements	50 stations per month	1.26% (50 stations)	1.26% (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	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					
- Printing	2,000 copies					

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
4.3 Provision of tidal information - Updating of tidal information on nautical charts - Provision and 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>37.93</b>	<b>37.93</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	50.00% (900 map sheets)	50.00% (900 map sheets)			
b.3 Large-scale (1:10,000) topographic database management and cartographic enhancement						
a. Topographic databasing	130 mapsheets	55.50% (72 map sheets)	55.50% (72 map sheets)			
b. Cartographic enhancement	55 mapsheets	48.75%	48.75%			
<b>2. Medium and Small Scale Mapping</b>		<b>51.85</b>	<b>51.85</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	51.35%	51.35%			
1.b Contract Out (Feature extraction w/o enhancement)		61.25%	61.25%			
2. Topographic database mapping	66 mapsheets	51.85%	51.85%			
B. Small Scale Mapping (1:250,000)	5 mapsheets	47.91%	47.91%			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
<b>3. Administrative Mapping</b>		<b>60.86</b>	<b>59.96</b>	<b>98.52</b>		
1. Provincial maps	12 provincial maps; 1 regional map	63.86%	63.86%			
2. Special Mapping	Cities Road Atlas of Luzon Islands	53.86%	50.85%		For final application of correction on digital maps file.	Immediately submit the file to Reproduction and Printing Division (RPD) once correction is completed.
<b>4. Map Printing and Reproduction</b>		<b>37.60</b>	<b>37.60</b>	<b>100</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)	37.60% (50 mapsheets)	37.60% (50 mapsheets) (Centennial Calendar)			
<b>5. Modernization of the Philippine Geodetic Reference System (PGRS)</b>		<b>64.53</b>	<b>64.53</b>	<b>100</b>		
1. Establishment of AGS	6 AGS	3.33% (1 AGS)	3.33% (1 AGS)			
2. AGS Site selection	7 sites	10.00% (7 sites)	10.00% (7 sites)			
3. Maintenance of AGS	42 AGS	5.40% (24 AGS)	5.40% (24 AGS)			
4. GCP re-observation	1,067 GCPs	9.00% (467 GCPs)	9.00% (467 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	8.30% (40 PGM)	8.30% (40 PGM)			
8. Releveling of BMs	748 kms	5.00% (300 kms)	5.00% (300 kms)			
9. Densification of gravity stations	2,000 GS	5.50% (1,000 GS)	5.50% (1,000 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>49.33</b>	<b>49.33</b>	<b>100</b>		
1. Land Classification of Unclassified Public Forest	3 Proposed LC maps	49.33% (1 LC map)	49.33% (1 LC map)			
<b>2. Land Cover Mapping</b>		<b>32.02</b>	<b>32.02</b>	<b>100</b>		
	18 provinces	32.02%	32.02%			
<b>3. Coastal Resource Mapping and Assessment</b>		<b>50.55</b>	<b>50.55</b>	<b>100</b>		
	14 provinces	50.55%	50.55%			
<b>4. ENR Data Integration (Geospatial Data Integration)</b>		<b>48.50</b>	<b>48.50</b>	<b>100</b>		
	10 provinces	48.50% (5 provinces)	48.50% (5 provinces)			
<b>5. Quadrant Mapping in Preparation for Massive Earthquake (Big One) in Metro Manila</b>		<b>59.00</b>	<b>59.00</b>	<b>100</b>		
	5,775 maps	59.00% (1,500 mapsheets)	59.00% (1,500 mapsheets)			
<b>Program: Geospatial Information System Management</b>						
<b>1. Information Systems Development &amp; Maintenance</b>		<b>52.25</b>	<b>50.75</b>	<b>97.13</b>		
1. Application Development	5 Program Source Codes	36.25% (3 programs)	36.25% (3 programs)		The system User Training was rescheduled in 18 July 2019 due to network maintenance and non-availability of participants.	
2. System Implementation	5 Users Manual	6.00% (3 systems)	4.50% (3 systems)			
3. System Maintenance	21 Systems Monitoring Report	5.25% (21 systems)	5.25% (21 systems)			
4. Updating of NAMRIA Website	Updated contents of website	4.75%	4.75%			

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<b>2. Geospatial Database Development &amp; Maintenance</b>		<b>50.00</b>	<b>50.00</b>	<b>100</b>		
1. Database Buildup/Maintenance	5 Database	15.00% (5 database)	15.00% (5 database)			
2. Database maintenance		5.00% (Dbase backup;backup log)	5.00% (Dbase backup;backup log)			
3. Database design	3 Database design document	18.00% (3 database)	18.00% (3 database)			
4. LGU GIS Capability Assessment - LGU Capability Assessment Survey	Assessment Survey	5.00% (3 provs/104 LGUs)	5.00% (3 provs/104 LGUs)			
5. Technical support - GIS Training	GIS Training Report	7.00% (Training Report)	7.00% (Training Report)			
<b>3. Geospatial Information Services and Production of NAMRIA Information, Education, and Communication Materials</b>		<b>51.05</b>	<b>51.05</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	10.75% (2 IEC materials) (100% events covered)	10.75% (2 IEC materials) 100% (15) Newscoop)			
2. Information dissemination and documentation	4 IEC 6 map and technology exhibits 100% requests for photo and video documentation	11.30% (1 IEC) (3 exhibits) (100% requests acted)	12.30% (1 IEC) (5 exhibits) 100% (103 photo and 23 video documentation)			
3. Geomatics Training	100% regular/special/MOA-based training programs conducted 1 PRC Accreditation 2018 NGTC Training Report	14.50% (100% trainings condtd)  (1 PRC Accreditation) (1 Report)	14.50% 100% (21) 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	14.50% (100% clients served) (5 Reports) (6 Monthly Sales Reports) (3 MSO Inv. Reports)	15.30% 100% (4,305) clients (5 Reports) (6 Monthly Sales Reports) (5 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		30.00%	30.00%			
<b>4. Information and Communications Technology Resource Management</b>		<b>47.56</b>	<b>47.56</b>	<b>100</b>		
1. Maintenance of computer system	100% of computer system maintained semestrally At least 95% operational in a month	22.54% (656 computer systems) (=>95% operational)	22.54% (656 computer systems) (99.99% operational)			
2. Network/Data center maintenance and administration	1 Network system operational at a minimum of 95% monthly	20.00% (=>95% operational)	20.00% (99.86% operational)			
3. ICT Research and Analysis - Technology case study for NAMRIA deployment and utilization	1 Case Study	2.50% (data gathering)	2.50% (data gathering)			
- ICT Resource Management Information System (ICTRM IS) Maintenance	1 ICTRM IS	2.52%	2.52%			



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<b>LOCALLY-FUNDED</b>						
<b>NAMRIA Geospatial Data Infrastructure</b>		<b>40.75</b>	<b>40.75</b>	<b>100</b>		
1. System Analysis	1 Client Requirement Assessment Report	16.00% (Final CRAR; Final SRAR)	16.00% (Final CRAR; Final SRAR)			
2. System Design	1 System design document	8.00% (Final SDD)	8.00% (Final SDD)			
3. Application Development	1 Program Source Code/Test Script/ Milestone Checklist					
4. System Implementation	1 System Implementation (User Manual/ System Training Report)					
5. System Maintenance	5 System Maintenance (Monitoring Report/ System User Satisfaction Report/System Maint. Summary Rep./Website Content Update	6.25% (5 systems)	6.25% (5 systems)			
6. Database Maintenance	1 database maintained	10.50% (LNL; DI)	10.50% (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		49.98%	49.98%			

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