

National Mapping and Resource Information Authority

Physical Performance Report

As of August 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)	August 1-31 (Third Quarter)	As of August 31, 2019			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
1. Hydrographic Surveys		73.12	47.56	80.73		
1. Exclusive Economic Zone	4,000 sq km (Philippine Sea/Philippine Rise)	100.00% (4,000 sq km)	95.00% (4,400 sq km)		Slippage is on the data processing of surveyed data which were temporarily put on hold to concentrate on the hydrographic survey in Manila Bay.	One or two officers will resume data processing to be able to finish the project and submit deliverables by end of September.
2. Archipelagic Waters/Sealanes	5,000 sq km (2,500 sq km Panay Gulf; 2,500 sq km Sulu Sea)	40.00% (Panay Gulf)	-		Slippage due to delayed completion of drydocking of BRP Ventura due to delayed approval of GAA. Contractors requested extension which were approved on the repair of controllable pitch propeller (CPP) and installation of radar equipment.	To be executed as soon as drydocking and repairs are completed. Drydocking is expected to be completed on 23 August and repairs will be completed two weeks thereafter at the most if everything goes as planned. There is still enough time and chances to finish the project by year end.
3. Ports and Harbors	8 Ports and Harbors	95.63% (8 Ports)	68.80% (7 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.	Hydrographic survey of Port of Roxas in Mindoro was executed to compensate for non-completion of surveys in Pag-asa Island. Hydrographic survey of Port of Sual was conducted to compensate for non-execution of Kota Island and Port of Tilik for Likas Island. Hydrographic survey for Alaminos was conducted in advance in lieu of Port of Argao.
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))	70.00%	49.00%		BRPH Ventura: 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. BRPH Hizon: 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 the contractor and procurement project monitoring to speed-up repairs and ensure completion of procurement projects. 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.

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5. Maintenance and Operation of Magnetic Observatory - Available geomagnetic information - Magnetic Observation of Repeat Stations	7,310 hourly values per year 18 magnetic force from magnetic repeat stations (MRS)	70.00% (5,117 hourly values) 50.00% (9 MRS)	71.90% (5,256 hourly values) 66.67% (12 MRS)			
2. Nautical Charting		53.95	53.95	100		
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts	75.00% (6 charts)	75.00% (6 charts)			
	2 Approach charts	100.00% (2 charts)	100.00% (2 charts)			
	13 Coastal charts	67.68% (10 charts)	69.62% (11 charts)			
	1 EEZ Chart	40.00%	40.00%			
	2 General Charts	70.00% (2 charts)	70.00% (2 charts)			
	15 Master Charts	68.00% (15 charts)	68.00% (15 charts)			
2. Data compilation and Update of Electronic Navigational Charts (ENC)	10 ENCs compiled and updated	60.00% (6 charts)	70.00% (7 charts)			
3. Manual correction of printed nautical charts	2,000 charts	69.00% (1,456 charts)	69.00% (1,456 charts)			
4. Reproduction of nautical publications	6,000 charts 2,000 copies (2020 TCTs)	33.34% (2,000 charts)	33.34% (2,000 charts)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
3. Maritime Publications and Support Services		56.25	56.13	99.79		
1. Publication of Philippine Notices to Mariners (NTM) and Navigational Warnings	100% NW emailed to NAVAREA XI Coordinator 12 NTMs emailed to clients	66.70% (100%) NW/8 NTMs	66.70% (100%) NW/8 NTMs			
2. Publication of Philippine List of Lights (PLL)	2020 Edition of PLL published	44.00%	44.00%			
3. Publication of Philippine Coast Pilot (PCP) Book	Coast Pilot Book published	47.65%	47.15%			
4. Delineation of municipal waters (MW)	100% of LGUs assisted	66.60% (100% of LGUs)	66.60% (100% (53 LGUs)			
4. Physical Oceanographic Surveys		47.14	47.14	100		
1. Maintenance of tide stations - Annual inspection and releveling	50 stations inspected and relevelled	18.50% (37 stations)	18.50% (37 stations)			
2. Acquisition of physical oceanographic data						
2.1 Operation of tide stations - Sea level measurements	50 stations sea level measured	8.32% (50 stations)	8.32% (50 stations)			
- Downloading of tidal data	50 stations per month	6.64% (50 stations)	6.64% (50 stations)			
- Temperature, density, & salinity measurements	50 stations per month	1.68% (50 stations)	1.68% (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					

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
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 4.2 Preparation of Tide and Current Tables (TCTs) - Tide and Current Prediction manuscript - Quality Control - Printing 4.3 Provision of tidal information - Updating of tidal information on nautical charts - Provision and certification of oceanographic information	100% of downloaded/retrieved months datasets 100% of downloaded/retrieved months datasets 1 manuscript 1 manuscript 2,000 copies 40 Nautical charts 95% acted upon request	 10.00% 2.00%	 10.00% 2.00% (60 nautical charts) (62 clients)			
Program: Mapping and Geodesy						
1. Large-scale Base Mapping		45.43	45.43	100		
a. Production of New-Series Large-Scale topographic base maps at 1:4,000 scale	360 mapsheets	25.00%	40.12%			
b. Unified Mapping b.1 Feature extraction for production of large-scale 1:10,000 topographic maps	1,500 mapsheets	50.00%	55.94%			

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b.2 Quality assessment of outsourced line maps	1,800 mapsheets	67.00% (1,260 map sheets)	67.00% (1,260 map sheets)			
b.3 Large-scale (1:10,000) topographic database management and cartographic enhancement						
a. Topographic databasing	130 mapsheets	74.00% (96 map sheets)	74.00% (96 map sheets)			
b. Cartographic enhancement	55 mapsheets	71.25% (15 map sheets)	71.25% (15 map sheets)			
2. Medium and Small Scale Mapping		74.46	74.46	100		
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	75.54%	75.54%			
1.b Contract Out (Feature extraction w/o enhancement)		77.64%	77.64%			
2. Topographic database mapping	66 mapsheets	70.57%	70.57%			
B. Small Scale Mapping (1:250,000)	5 mapsheets	74.31%	74.31%			
3. Administrative Mapping		86.29	86.29	100		
1. Provincial maps	12 provincial maps; 1 regional map	86.29%	86.29%			
2. Special Mapping	73 Cities Road Atlas of Luzon Islands	86.29%	86.29%			
4. Map Printing and Reproduction		57.21	47.37	82.80		
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)	57.21% (82 mapsheets) (Centennial Calendar)	47.37% (50 mapsheets) (Centennial Calendar; 60,666 shts. 2020 TCTs)		Prioritized the printing of 2020 TCTs due to clients' demand.	Printing of thirty two (32) maps will be completed in September and October 2019.

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
5. Modernization of the Philippine Geodetic Reference System (PGRS)		83.49	77.99	93.41		
1. Establishment of AGS	6 AGS	5.99% (3 AGS)	5.99% (3 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	7.20% (32 AGS)	7.20% (32 AGS)			
4. GCP re-observation	1,067 GCPs	20.00% (1,067 GCPs)	14.50% (767 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	7.30% (1,400 GS)	7.30% (1,400 GS)			
10. Uploading to NGIMS of Geodetic Reference datasets	6 AGS/1067 GCPs					
Program: Resource Assessment and Mapping						
1. Forestland Evaluation and Mapping		69.66	69.66	100		
1. Land Classification of Unclassified Public Forest	3 Proposed LC maps	69.66% (2 LC maps)	69.66% (2 LC maps)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
2. Land Cover Mapping		50.00	50.00	100		
Risk Opportunity No. R-G-2018-01 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	50.00% 100.00%	50.00% 100.00%			
3. Coastal Resource Mapping and Assessment		63.28	63.28	100		
	14 provinces	63.28%	63.28%			
4. ENR Data Integration (Geospatial Data Integration)		70.50	70.50	100		
	10 provinces	70.50% (5 provinces)	70.50% (5 provinces)			
5. Quadrant Mapping in Preparation for Massive Earthquake (Big One) in Metro Manila		71.00	71.00	100		
	5,775 maps	71.00% (3,150 mapsheets)	71.00% (3,150 mapsheets)			
Program: Geospatial Information System Management						
1. Information Systems Development & Maintenance		63.75	63.75	100		
1. Application Development	5 Programs developed	46.25% (5 programs)	46.25% (5 programs)			
2. System Implementation	5 Systems implemented	6.00% (3 systems)	6.00% (3 systems)			
3. System Maintenance	22 Systems maintained	11.50% (22 systems)	11.50% (22 systems)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
2. Geospatial Database Development & Maintenance		68.50	68.50	100		
1. Database Buildup/Maintenance	5 Database buildup	20.00% (5 database)	20.00% (5 database)			
2. Database maintenance	1 Database maintained	7.00% (1 database)	7.00% (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	7.50% (1 Report)	7.50% (1 Report)			
5. Technical support - GIS Training	2 GIS Training Reports	7.00% (1 Training Report)	7.00% (1 Training Report)			
3. Geospatial Information Services and Production of NAMRIA Information, Education, and Communication Materials		61.85	61.85	100		
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	12.75% (2 IEC materials) (100% events covered)	12.75% (2 IEC materials) 100% (27) 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	13.70% (1 IEC) (1 NAMRIA Prods. & Serv)) (3 exhibits) (100% requests acted)	14.70% (1 IEC) (1 NAMRIA Prods. & Serv)) (5 exhibits) 100% (166 photo and 32 video documentation)			
3. Geomatics Training	100% regular/special/MOA-based training programs conducted 1 PRC Accreditation 2018 NGTC Training Report	18.00% (100% trainings condtd) (1 PRC Accreditation) (1 Report)	18.00% 100% (27) 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	17.40% (100% clients served) (5 Reports) (8 Monthly Sales Reports) (3 MSO Inv. Reports)	17.40% 100% (5,466) clients (5 Reports) (8 Monthly Sales Reports) (5 MSO Inv. Reports)			
Risk No. R-G-2018-01 - Increasing demand for GIS training Knowledge Services Process - Conduct in-house trainers for potential GIS trainers - Prepare online tutorial video as new means of training program		30.00%	30.00%			
4. Information and Communications Technology Resource Management		64.24	64.24	100		
1. Maintenance of computer system	100% of computer system maintained semestrally	31.72% (984 computer systems)	31.72% (984 computer systems)			
2. Network/Data center maintenance and administration	At least 95% operational in a month 1 Network system operational at a minimum of 95% monthly	(=>95% operational) 26.66% (=>95% operational)	(99.99% operational) 26.66% (99.90% 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	3.36%	3.36%			
Risk No. R-G-2018-06 System vulnerability to cyber attack resulting in security breach on NAMRIA network or system - 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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LOCALLY-FUNDED						
NAMRIA Geospatial Data Infrastructure		64.25	64.25	100		
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	20.00% (1 Program)	20.00% (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	14.00% (LNL; DI)	14.00% (LNL; DI)			
Risk No. R-G-2018-15 - Slow internet speed of online users						
Knowledge Services Process						
- Monitor performance of cloud hosting with content delivery network for the Geoportal Philippines		66.64%	66.64%			

APPROVED BY:

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

Certified Correct By:


MARITA R. SARMIENTO
Head, Planning Unit


NOEL R. VEGA
Head, Finance Unit