

National Mapping and Resource Information Authority  
**Physical Performance Report**  
As of May 31, 2021

<b>Program: Hydrographic and Oceanographic Surveys and Nautical Charting</b>						
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 Third Quarter, FY 2021
	FY 2021 (Annual)	May 1-31 (Second Quarter)	As of May 31, 2021			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
<b>1. Hydrographic Surveys</b>		<b>39.16</b>	<b>28.10</b>	<b>71.76</b>		
<b>A. Hydrographic surveys of the Philippine Waters</b>						
<b>1. Survey planning</b>						
	10 Field Project Instruction (FPIs)	2.50% (10 FPIs)	2.50% (10 FPIs)	100		
	10 Data Acquisition Plan or Processing (DAPs)	2.50% (10 DAPs)	2.50% (10 DAPs)	100		
<b>2. Data acquisition, processing and packaging</b>						
<b>a. Exclusive Economic Zone</b>						
	West Philippine Sea/Moro Gulf (4,000 sqkm)	0.50% (Acquisition)	0.00%	0	Awaiting clearance from the Department of Foreign Affairs (DFA).	Tentative deployment in June 2021.
<b>b. Archipelagic Waters/Sealanes (AW)</b>						
	Tayabas Bay-Ragay Gulf-Sorsogon Bay	0.33% (Acquisition)	0.00%	0	Survey activities for February to May 2021 were not conducted due to travel restrictions in the survey areas.	Rescheduled in August 2021.
<b>c. Ports and Harbors</b>						
	8 Ports and Harbors	4.00% (5 P&H)	0.00%	0	Deployment started in 14 May 2021. Significant accomplishment to be reflected in June 2021.	Fieldwork activities ongoing.
<b>d. Data Quality Control</b>						
	4,000 sq km of EEZ 5,000 sq km of AW 8 P&H areas	2.50% (5 P&H areas)	2.50% (5 P&H areas)	100		
<b>B. Maintenance and Operation of Magnetic Observatory</b>						
<b>1. Field geomagnetic observation of magnetic repeat stations (MRS)</b>						
	21 MRS	4.50% (14 MRS)	1.61% (5 MRS)	35.78	Deployment started in 14 May 2021. Significant accomplishment to be reflected in June 2021.	Fieldwork activities ongoing.
<b>2. Continuous geomagnetic data acquisition</b>						
	7776 hourly values of geomagnetic data	1.88% (3,240 hourly values)	1.88% (3,240 hourly values)	100		
<b>3. Absolute magnetic observation at magnetic observatory</b>						
	96 absolute magnetic observations	0.63% (40 observations)	0.63% (40 observations)	100		
<b>4. Maintenance of Magnetic Repeat Stations</b>						
	1 FY 2022 PM Plan; 100% timely implementation	0.84% (100% timely implemented)	0.84% (100% timely implemented)	100		

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C. Maintenance and operation of survey vessels	(BRPHs VENTURA; PRESEBITERO; HIZON; PALMA; Single Beam Skiff; Land-based systems)	16.88%	13.54%	80.21	Minor repairs are being conducted.	For deployment in June and August 2021.
D. Client management	95% of client requests addressed timely	2.10% (95% of clients addressed timely)	2.10% (95% [206] clients addressed timely)	100		
<b>2. Nautical Charting</b>		<b>29.93</b>	<b>29.93</b>	<b>100</b>		
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts	53.75% (5 charts)	53.75% (5 charts)	100		
	2 Approach charts	43.00% (1 chart)	43.00% (1 chart)	100		
	13 Coastal charts	40.50% (6 charts)	40.50% (6 charts)	100		
	1 EEZ Chart					
	2 General Charts	43.00% (1 chart)	43.00% (1 chart)	100		
	15 Master Charts	40.00% (15 charts)	40.00% (15 charts)	100		
2. Data compilation and Update of Electronic Navigational Charts (ENC)	10 ENCs	43.00% (5 charts)	50.00% (5 charts)	100		
3. Manual correction of printed nautical charts	100% printed nautical charts manually corrected	40.00% (100% printed nautical charts manually corrected)	40.00% (100% [360] printed nautical charts manually corrected)	100		
4. Reproduction of nautical publications	6,000 nautical charts 2,000 copies (2022 TCTs)					
<b>3. Maritime Publications and Support Services</b>		<b>36.88</b>	<b>35.60</b>	<b>96.53</b>		
1. Promulgation/Publication of Navigational Warnings (NW) or Notices to Mariners (NTMs)	NW emailed to NAVAREA XI Coordinator 12 NTMs emailed to clients	41.40% (100% NW/5 NTMs)	41.40% 100% [80] NW/[5] NTMs)	100		
2. Publication of Philippine List of Lights (PLL)	2022 Edition of PLL published	29.10%	29.10%	100		

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3. Publication of cumulative list of Notices to Mariners (CLNM)	CLNM published	29.10%	29.10%	100	Survey activities for February to May 2021 were not conducted due to travel restrictions in the survey areas.	The survey will be conducted starting June 2021 and finished by second semester of 2021.
4. Publication of Philippine Coast Pilot (PCP) Book	Vol. II, 7th Edition published	33.00%	33.00%	100		
5. Compilation of Coast Pilot Manuscript	8th Edition Manuscript compiled	45.50%	36.50%	80.22		
6. Delineation of Municipal Waters (MW)	100% (80 of 80) technical assistance provided	41.50%	41.50%	100		
7. Delineation of International Maritime Zones and Other Maritime Areas	20 internal waters map compiled	38.60%	38.60%	100		
	2 baseline maps of WPS features	(100% of LGUs, NGAs) (8 maps compiled) (1 baseline map compiled) (6 maps reviewed)	(100% [38] LGUs, NGAs) (8 maps compiled) (1 baseline map compiled) (6 maps reviewed)			
<b>4. Physical Oceanographic Surveys</b>		<b>43.21</b>	<b>39.81</b>	<b>92.13</b>		
1. Maintenance of tide stations - Annual inspection and releveled	50 stations inspected and releveled	16.50% (33 stations)	14.50% (29 stations)	87.88	Delay in the processing of necessary documents and logistical preparation of instruments due to the unexpected and unscheduled lockdown at Hydrography Branch and NAMRIA Main Office.	Fieldwork activities ongoing.
2. Acquisition of physical oceanographic data						
2.1 Operation of tide stations (Sea level measurements, downloading of tidal data, and temperature, density & salinity measurements)	92% of total no. of tide stations (50)	8.31% (92 % of 50 stations)	8.31% (94 % of 50 stations [47])	100		
2.2 Establishment of new tide stations	7 tide stations established	1.40% (2 stations)	0.00%	0	Delay in the processing of necessary documents and logistical preparation of instruments due to the unexpected and unscheduled lockdown at Hydrography Branch and NAMRIA Main Office.	Fieldwork to be rescheduled within June 2021.

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
3. Data processing, analysis & prediction 3.1 Processing of physical oceanographic data (Tidal data from tide stations, temperature, density and salinity)	100% of downloaded/retrieved datasets processed					
4. Oceanographic data management 4.1 Updating and maintenance of National Oceanographic Data Center (Implementation of National Oceano- graphic Data Exchange Service (NODES) Project (data rescue and recovery of historical data; Databasing and archiving of sea level and other physical oceano- graphic data; Updating of tidal datum planes)	1 Database System 100% of downloaded/retrieved months datasets	10.00%	10.00%	100		
4.2 Preparation of Tide and Current Tables (TCTs) - Tide & Current Prediction manuscript  - Quality Control  - Printing	1 manuscript  1 manuscript  2,000 copies	5.00%  2.00%	5.00%  2.00%	100  100		
4.3 Provision of tidal information - Updating of tidal information on nautical charts - Provision and certification of oceano- graphic information	7 Nautical charts  95% of requests acted upon		(23 Nautical charts)  (23 clients)			

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<b>Program: Topographic Mapping and Geodetic Network</b>						
<b>1. Large-Scale Mapping</b>						
		<b>19.63</b>	<b>19.63</b>	<b>100</b>		
a. Production of new series large-scale orthoimages and topographic base maps at scale 1:4,000	360 mapsheets	25.00% (Contract awarded and Notice to Proceed issued)	39.00% (Contract awarded and Notice to Proceed issued; submitted initial enhanced orthoimage mosaic and acquired VHRSI)	100		
b. Unified Mapping						
b.1 Updating and cartographic enhancement of large-scale 1:10,000 topographic maps	1,500 mapsheets	10.00% (Contract awarded and Notice to Proceed issued)	12.70% (Contract awarded and Notice to Proceed issued; delivered seven [7] initial enhanced orthoimage mosaic with map indices and sub-blocks)	100		
b.2 Quality assessment of 2020 outsourced line maps	1,800 mapsheets	13.60% (data evaluation)	13.60% (data evaluation)	100		
b.3 Large-scale (1:10,000) topographic database management and cartographic enhancement						
a. Topographic databasing	300 mapsheets	9.67% (145 map sheets)	9.67% (145 map sheets)	100		
b. Cartographic enhancement	55 mapsheets	7.39% (map layout, cartographic editing, field verification)	7.39% (map layout, cartographic editing, field verification)	100		
<b>2. Medium and Small-Scale Mapping</b>						
<b>A. Medium-Scale mapping (1:50,000)</b>						
A.1 In-house (Feature extraction evaluation of vector data and cartographic enhancement)	45 mapsheets	39.63% (6 cartographically enhanced draft maps; 24 maps for mass production)	37.23% (6 cartographically enhanced draft maps; 18 maps for mass production)	93.94	Assigned personnel on fieldwork.	Remaining maps for mass production will be submitted in June 2021.

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A.2 Contract Out (Feature extraction without enhancement)	40 mapsheets	47.21% (5 Progress Reports)	47.21% (5 Progress Reports)	100		
B. Small-Scale Mapping (1:250,000)	5 maps	26.92% (generalization of contours)	26.92% (generalization of contours)	100		
<b>3. Updating of the Philippine Gazetteer</b>		<b>35.92</b>	<b>34.15</b>	<b>95.07</b>		
A. Topographic Database Mapping	24 mapsheets	35.69% (2 maps)	36.69% (2 maps)	100		
B. Updating of the Philippine Gazetteer Project	Geographic Names Geospatial Database uploaded/encoded with 11 provinces	36.16% (4 provinces)	28.29% (2 provinces)	78.24	Fieldwork activities were rescheduled due to a team member who tested positive for COVID-19.	Fieldwork rescheduled within June 2021.
<b>4. Administrative Mapping</b>		<b>47.00</b>	<b>45.00</b>	<b>95.74</b>		
	12 maps (7 provincial; 5 regional)	47.00% (carto enhancement, field verification)	45.00% (carto enhancement, field verification)	95.74	The demise of an assigned employee hampered the completion of the activity.	Rescheduled date of field verification and completion on the third quarter of 2021.
<b>5. Map Printing and Reproduction</b>		<b>32.50</b>	<b>32.50</b>	<b>100</b>		
1. Printing and Reprinting of topographic, administrative maps and nautical charts	80 maps/charts printed Special Publications: 5,000 sheets Centennial Calendar 3,000 pamphlets 2022 Planner	32.50% (48 sets of maps/charts color separated; 17 sets of maps/charts printed)	34.50% (52 sets of maps/charts color separated; 17 sets of maps/charts printed)	100		
<b>6. Modernization of the Philippine Geodetic Reference System (PGRS)</b>		<b>57.50</b>	<b>37.26</b>	<b>64.80</b>		
1. Establishment of Active Geodetic Stations (AGS)	3 AGS (Outsourced)	1.00% (Preparation of bidding documents)	1.00% (Preparation of bidding documents)	100		
2. AGS Site selection	6 Sites	10.00% (6 sites)	7.00% (3 sites)	70	Fieldwork activities were affected by other postponed activities.	Rescheduled site selection activities in June and July 2021.

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3. Maintenance of AGS	52 AGS (Outsourced)	8.00% (20 AGS)	3.50% (5 AGS)	43.75	Delayed awarding of contract due to voluminous number of outsourced projects.	The backlog will be transferred to January to March 2022 since the contract is good for one (1) year.
4. Geodetic Control Points (GCPs) re-observation	135 GCPs	10.00% (135 GCPs)	2.00% (Prep. of travel documents)	20	Fieldwork activities were affected by other postponed activities.	Fieldwork rescheduled in June 2021.
5. Validation of Philippine Geoid Model	100 GCPs	5.00% (40 GCPs)	3.50% (20 GCPs)	70	Fieldwork activities were affected by other postponed activities.	Rescheduled the points in July 2021.
6. Releveling of Benchmarks (BMs)	620 kms (Outsourced)	2.00% (Preparation of bidding documents)	2.00% (Preparation of bidding documents)	100		
	100 kms (In-house)	5.50% (70 kms)	5.26% (67 kms)	95.64	Fieldwork was rescheduled due to the driver who tested positive for COVID-19.	Fieldwork rescheduled in August 2021.
7. Densification of gravity stations and GCP maintenance	800 GS	6.00% (400 GS)	3.00% (100 GS)	50	Fieldwork was rescheduled due to the driver who tested positive for COVID-19.	Fieldwork activities were adjusted from June 2021 until the succeeding months.
	100 GCPs	10.00% (100 GCPs)	10.00% (100 GCPs)	100		
8. Uploading to NAMRIA Geospatial Information Management System (NGIMS) of Geodetic Reference datasets	3 AGS 137 GCPs					
<b>Program: Resource Assessment and Mapping</b>						
<b>1. Forestland Evaluation and Mapping</b>		<b>43.50</b>	<b>43.50</b>	<b>100</b>		
Land Classification of Unclassified Public Forest (UPF) areas	8 preliminary maps of UPF sites	43.50% (3 provincial LC map assessed and databased)	43.50% (3 provincial LC map assessed and databased)	100		

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<b>2. Land Cover Mapping</b>		<b>28.00</b>	<b>28.00</b>	<b>100</b>		
	18 provinces	28.00% (18 provinces pre-processed; 2 provinces accuracy assessed)	28.00% (18 provinces pre-processed; 2 provinces accuracy assessed)	100		
<b>3. Coastal Resource Mapping and Assessment</b>		<b>43.50</b>	<b>43.50</b>	<b>100</b>		
	12 provinces	43.50% (7 provinces image validated; 3 provinces accuracy assessed)	43.50% (7 provinces image validated; 3 provinces accuracy assessed)	100		
<b>4. ENR Data Integration (Geospatial Data Integration)</b>		<b>42.50</b>	<b>42.50</b>	<b>100</b>		
	10 provinces	42.50% (5 provinces preliminary mapped and processed; 4 provinces final mapped)	42.50% (5 provinces preliminary mapped and processed; 4 provinces final mapped) final mapped)	100		
<b>5. Participatory Mapping of Existing Land Uses</b>		<b>35.00</b>	<b>35.00</b>	<b>100</b>		
	1 province	35.00% (1 province data gathered and preliminary classified)	35.00% (1 province data gathered and preliminary classified)	100		
<b>Program: Geospatial Information System Management</b>						
<b>1. Information System Development &amp; Maintenance</b>		<b>20.00</b>	<b>20.00</b>	<b>100</b>		
1. System Analysis	4 Systems	10.50% (4 systems)	10.50% (4 systems)	100		
2. System Design	4 Systems	7.00% (4 systems)	7.00% (4 systems)	100		
3. Application Development	4 Applications					
4. System Implementation	4 Systems					
5. System Maintenance	33 Systems	2.50% (1 system)	2.50% (1 system)	100		



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<b>2. Geospatial Database Development &amp; Maintenance</b>		<b>35.15</b>	<b>35.15</b>	<b>100</b>		
1. Database design	3 Database	24.00% (3 database)	24.00% (3 database)	100		
2. Database Buildup	2 Database buildup	7.00% (1 database)	7.00% (1 database)	100		
3. Database maintenance	1 Database	4.15% (1 database)	4.15% (1 database)	100		
4. Research and Analysis of existing geospatial databases	Research and Analysis Report					
5. LGU GIS Capability Assessment	Assessment Report					
6. Technical Support (Training and other technical support)	Training Report					
<b>3. Geospatial Information Services and Production of NAMRIA Information, Education, and Communication (IEC) Materials</b>		<b>32.95</b>	<b>32.95</b>	<b>100</b>		
1. Media Production and Packaging	4 NAMRIA IEC materials published 100% events covered through published NAMRIA Newscoop (NN)	4.50% (1 NAMRIA IEC material) (100% events covered through Newscoop)	4.50% (1 NAMRIA IEC material) (100% [4] events covered through Newscoop)	100		
2. Information dissemination and documentation	2 IEC campaign/webinar conducted 100% tour of facilities requests served 1 map and technology exhibit	9.70% (1 IEC campaign/webinar)	9.70% (2 IEC campaign/webinar)	100		
3. Geomatics Training	100% requests served for photo and video documentation	(1 map and technology exhibit)	(1 map and technology exhibit)			
	100% regular/special/MOA-based/online training programs conducted	(100% requests for photo and video documentation)	(100% [2] photo and [6] video documentation)			
	2020 NGTC Training Report submitted	7.75% (100% regular/special/ MOA-based/online)	7.75% (100% [3] regular/special/ MOA-based/online)	100		
		(1 Training Report)	(1 Training Report)			


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4. Client Services	100% clients served 6 Reports submitted 12 Monthly Sales Reports submitted 2020 MSO Sales Report submitted	11.00% (100% clients served) (4 Reports) (5 Sales Reports) (2020 MSO Sales Report)	11.00% (100% (2,730) clients) (4 Reports) (5 Sales Reports) (2020 MSO Sales Report)	100		
<b>4. Information and Communications Technology (ICT) Resource Management</b>		<b>40.45</b>	<b>40.45</b>	<b>100</b>		
1. Maintenance of computer system	1 Updated list of ICT equipment 100% of computer systems (556) maintained semestrally A minimum of 95% operational monthly	20.45% (556 computer systems) (=>95% operational)	20.76% (573 computer systems) (99.99% operational)	100		
2. Network/Datacenter Maintenance and Administration	1 Network system operational at a minimum of 95% monthly	16.65% (=>95% operational)	16.65% (99.66% operational)	100		
3. ICT Research and Analysis - Technology case study for NAMRIA Deployment and Utilization - ICT Resource Management Information System (ICTRMIS) Maintenance	1 Case Study  1 ICTRMIS	1.25% (Abstract) 2.10%	1.25% (Abstract) 2.10%	100  100		

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