

National Mapping and Resource Information Authority
Physical Performance Report
As of June 30, 2021

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 Third Quarter, FY 2021
	FY 2021 (Annual)	June 1-30 (Second Quarter)	As of June 30, 2021			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
1. Hydrographic Surveys		37.13	33.46	90.12		
A. Hydrographic surveys of the Philippine Waters						
1. Survey planning						
	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		
2. Data acquisition, processing and packaging						
a. Exclusive Economic Zone (EEZ)						
	West Philippine Sea/Moro Gulf (4,000 sqkm)	0.33% (Acquisition)	0.00%	0	The tentative schedule of deployment on 02-07 June 2021 was not pursued due to bad weather. Problem on Controllable Pitch Propellers (CPP) observed on the second week of June 2021.	Deployment for EEZ survey will commence as soon as a big ship is available or ongoing repairs are completed.
b. Archipelagic Waters/Sealanes (AW)						
	Tayabas Bay-Ragay Gulf-Sorsogon Bay					
c. Ports and Harbors (P & H)						
	8 Ports and Harbors	2.00% (3 P&H)	1.61% (3 P&H)	80.50	Deployment started in 14 May 2021.	Fieldwork activities are ongoing.
d. Data Quality Control						
	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. Maintenance and Operation of Magnetic Observatory						
1. Field geomagnetic observation of magnetic repeat stations (MRS)						
	21 MRS	3.54% (11 MRS)	1.93% (6 MRS)	54.52	Deployment started in 14 May 2021.	Fieldwork activities are ongoing.
2. Continuous geomagnetic data acquisition						
	7776 hourly values of geomagnetic data	2.28% (3,888 hourly values)	2.28% (3,898 hourly values)	100		
3. Absolute magnetic observation at magnetic observatory						
	96 absolute magnetic observations	0.78% (48 observations)	0.80% (49 observations)	100		
4. Maintenance of MRS						
	1 FY 2022 PM Plan; 100% timely implementation	1.02% (100% timely implemented)	1.02% (100% timely implemented)	100		

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C. Maintenance and operation of survey vessels	(BRPHs VENTURA; PRESBITERO; HIZON; PALMA; Single Beam Skiff; Land-based systems)	17.16%	15.82%	34.31	There is no big ship available for surveys as repairs are ongoing.	Big ship will be available once the ongoing repairs are completed.
D. Client management	95% of client requests addressed timely	2.52% (95% [206] of clients addressed timely)	2.52% (95% [217] of clients addressed timely)	100		
2. Nautical Charting		35.78	35.78	100		
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts	62.50% (5 charts)	62.50% (5 charts)	100		
	2 Approach charts	50.00% (1 chart)	50.00% (1 chart)	100		
	13 Coastal charts	46.15% (6 charts)	46.15% (6 charts)	100		
	1 EEZ Chart					
	2 General Charts	50.00% (1 chart)	50.00% (1 chart)	100		
	15 Master Charts	50.00% (15 charts)	50.00% (15 charts)	100		
2. Data compilation and Update of Electronic Navigational Charts (ENCs)	10 ENCs	50.00% (5 charts)	50.00% (5 charts)	100		
3. Manual correction of printed nautical charts	100% [900] printed nautical charts manually corrected	50.00% (100% [450] printed nautical charts manually corrected)	50.00% (100% [450] printed nautical charts manually corrected)	100		
4. Reproduction of nautical publications	6,000 nautical charts 2,000 copies (2022 Tide and Current Tables)					
3. Maritime Publications and Support Services		47.15	43.01	91.22		
1. Promulgation/Publication of Navigational Warnings (NW) or Notices to Mariners (NTMs)	NW emailed to NAVAREA XI Coordinator 12 NTMs emailed to clients	50.00% (100% NW/6 NTMs)	50.00% 100% [100] NW/[6] NTMs)	100		
2. Publication of Philippine List of Lights (PLL)	2022 Edition of PLL published	35.00%	35.00% (5 light corrections)	100		

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3. Publication of cumulative list of Notices to Mariners (CLNM)	CLNM published	35.00%	35.00% (32 chart correction notices)	100		
4. Publication of Philippine Coast Pilot (PCP) Book	Vol. II, 7th Edition published	57.00%	40.00%	70.18	Mass production (printing) is pending; awaiting for the approval of Work Order.	Packaging of CP in CDs will commence in July 2021.
5. Compilation of Coast Pilot Manuscript	8th Edition Manuscript compiled	56.00%	44.00%	78.57	Survey activities for February to June 2021 were not conducted due to travel restrictions in the survey areas.	All survey activities will be conducted in the second semester of 2021.
6. Delineation of Municipal Waters (MW)	100% (80 of 80) technical assistance provided	50.00% (100% of LGUs, NGAs assistance provided)	51.25% (100% [45] LGUs, NGA assistance provided)	100		
7. Delineation of International Maritime Zones and Other Maritime Areas	20 internal waters map compiled 2 baseline maps of WPS features	47.10% (10 maps compiled) (1 baseline map compiled and reviewed) (8 maps reviewed)	47.10% (10 maps compiled) (1 baseline map compiled and reviewed) (8 maps reviewed)	100		
4. Physical Oceanographic Surveys		57.56	57.56	100		
1. Maintenance of tide stations - Annual inspection and releveling	47 stations inspected and relevelled	18.08% (34 stations)	18.08% (34 stations)	100		
2. Acquisition of physical oceanographic data						
2.1 Operation of tide stations (Sea level measurements, downloading of tidal data, and temperature, density and salinity measurements)	92% of total number of tide stations (50)	9.98% (92 % of 50 stations)	9.98% (94 % of 50 stations [47])	100		
2.2 Establishment of new tide stations	7 tide stations established					

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
3. Data processing, analysis and prediction						
3.1 Processing of physical oceanographic data (Tidal data from tide stations, temperature, density and salinity)	100% of downloaded/retrieved datasets processed	12.50% (100% of downloaded/retrieved month datasets processed)	12.50% (100% of downloaded/retrieved month datasets processed)	100		
4. Oceanographic data management						
4.1 Updating and maintenance of National Oceanographic Data Center (Implementation of National Oceanographic Data Exchange Service (NODES) Project (data rescue and recovery of historical data; Databasing and archiving of sea level and other physical oceanographic data; Updating of tidal datum planes)	1 Database System 100% of downloaded/retrieved month datasets	10.00% (100% of downloaded/retrieved and processed datasets)	10.00% (100% of downloaded/retrieved and processed datasets)	100		
4.2 Preparation of Tide and Current Tables (TCTs)						
- Tide and Current Prediction manuscript	1 manuscript	5.00% (1 Manuscript)	5.00% (1 Manuscript)	100		
- Quality Control	1 manuscript	2.00% (1 Manuscript)	2.00% (1 Manuscript)	100		
- Printing	2,000 copies					
4.3 Provision of tidal information						
- Updating of tidal information on nautical charts	7 Nautical charts		(32 Nautical charts)			
- Provision and certification of oceanographic information	95% of requests acted upon		(31 clients)			

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Program: Topographic Mapping and Geodetic Network						
1. Large-Scale Mapping		21.75	21.75	100		
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 [NTP] issued)	45.00% (Contract awarded and NTP; submitted initial enhanced orthoimage mosaic and acquired VHRSI for the City of Baguio and Urban areas in Benguet Province)	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 NTP issued)	12.70% (Contract awarded and NTP issued; Tiled orthoimage maps and enhanced orthoimage mosaic of sub-blocks for 10 clusters were delivered.)	100		
b.2 Quality assessment of 2020 outsourced line maps	1,800 mapsheets	20.00% (data evaluation)	20.00% (data evaluation)	100		
b.3 Large-scale (1:10,000) topographic database management and cartographic enhancement						
a. Topographic databasing	300 mapsheets	11.67% (175 map sheets)	11.67% (175 map sheets)	100		
b. Cartographic enhancement	55 mapsheets	9.58% (map layout, cartographic editing, and field verification)	9.58% (map layout, cartographic editing, and field verification)	100		

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2. Medium and Small-Scale Mapping		49.13	49.13	100		
A. Medium-Scale Mapping (1:50,000)						
A.1 In-house (Feature extraction evaluation of vector data and cartographic enhancement)	45 mapsheets	50.22% (12 cartographically enhanced draft maps; 24 maps for mass production)	50.22% (12 cartographically enhanced draft maps; 24 maps for mass production)	100		
A.2 Contract Out (Feature extraction without enhancement)	40 mapsheets	56.63% (7 Progress Reports)	56.63% (7 Progress Reports)	100		
B. Small-Scale Mapping (1:250,000)	5 maps	42.31% (Cartographic enhancement)	42.31% (Cartographic enhancement)	100		
3. Updating of the Philippine Gazetteer		46.68	42.75	91.58		
A. Topographic Database Mapping	24 mapsheets	46.01% (10 maps)	52.85% (12 maps)	100		
B. Updating of the Philippine Gazetteer Project	Geographic Names Geospatial Database uploaded/encoded with 11 provinces	47.35% (6 provinces)	39.49% (2 provinces)	83.40	Fieldwork activities were rescheduled due to scheduled vaccination of a team member. Field data processing was delayed due to rescheduled date of fieldwork activities.	Fieldwork activities are ongoing.
4. Administrative Mapping		52.50	51.00	97.14		
	12 maps (7 provincial; 5 regional)	52.50% (cartographic enhancement, field verification)	51.00% (cartographic enhancement, field verification)	97.14		Field verification and completion were rescheduled on the third quarter of 2021 to coincide with the Updating of the Philippine Gazetteer field data collection and in order to maximize staff utilization.
5. Map Printing and Reproduction		32.50	32.50	100		
1. Printing and reprinting of topographic maps, 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)	37.00% (57 sets of maps/charts color separated; 17 sets of maps/charts printed)	100		

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6. Modernization of the Philippine Geodetic Reference System (PGRS)		61.50	48.46	78.80		
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 was postponed due to positive Covid-19 test result of team leader.	Rescheduled fieldwork (site selection) in July 2021.
3. Maintenance of AGS	52 AGS (Outsourced)	9.50% (25 AGS)	4.70% (9 AGS)	49.47	Delayed awarding of contract due to voluminous number of outsourced projects.	The backlog will be done in 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)	10.00% (135 GCPs)	100		
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 fieldwork in July and October 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)	7.00% (100 kms)	5.26% (67 kms)	75.14	The field survey personnel were deployed in the GCPs reobservation in Leyte and Samar.	Fieldwork rescheduled in August 2021.
7. Densification of Gravity Stations (GS) and GCP maintenance	800 GS	7.00% (500 GS)	5.00% (300 GS)	71.43	Fieldwork was rescheduled due to the driver who tested positive for COVID-19.	Fieldwork activities were adjusted from July 2021 until the succeeding months to catch up with the target.
	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					

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Program: Resource Assessment and Mapping						
1. Forestland Evaluation and Mapping		52.25	52.25	100		
Land Classification of Unclassified Public Forest (UPF) areas	8 preliminary maps of UPF sites	52.25% (3 provincial LC map assessed and databased)	52.25% (3 provincial LC map assessed and databased)	100		
2. Land Cover Mapping		37.19	37.19	100		
	18 preliminary land cover maps	37.19% (18 provinces pre-processed; 5 provinces accuracy assessed)	37.19% (18 provinces pre-processed; 5 provinces accuracy assessed)	100		
3. Coastal Resource Mapping and Assessment		57.75	57.75	100		
	12 preliminary coastal resource maps	57.75% (11 provinces accuracy assessed and image validated)	57.75% (11 provinces accuracy assessed and image validated)	100		
4. ENR Data Integration (Geospatial Data Integration)		48.50	48.50	100		
	10 index and integrated maps of Geospatial ENR Datasets	48.50% (7 provinces preliminary mapped and processed; 5 provinces final mapped)	48.50% (7 provinces preliminary mapped and processed; 5 provinces final mapped)	100		
5. Participatory Mapping of Existing Land Uses		50.00	50.00	100		
	1 Existing land use map	50.00% 1 province (Preliminary classification and coordination and consultation with clients)	50.00% 1 province (Preliminary classification and coordination and consultation with clients)	100		

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Program: Geospatial Information System Management						
1. Information System Development & Maintenance		40.50	40.50	100		
1. System Analysis	4 Systems	10.50% (4 systems)	10.50% (4 systems)	100		
2. System Design	4 Systems	10.00% (4 systems)	10.00% (4 systems)	100		
3. Application Development	4 Applications					
4. System Implementation	4 Systems					
5. System Maintenance	33 Systems	20.00% (33 systems)	20.00% (33 systems)	100		
2. Geospatial Database Development & Maintenance		63.98	63.98	100		
1. Database design	3 Database	30.00% (3 database)	30.00% (3 database)	100		
2. Database Buildup	2 Database buildup	9.00% (1 database)	9.00% (1 database)	100		
3. Database maintenance	1 Database	4.98% (1 database)	4.98% (1 database)	100		
4. Research and Analysis of existing geospatial databases	Research and Analysis Report	5.00% (1 Report)	5.00% (1 Report)	100		
5. LGU GIS Capability Assessment	Assessment Report	10.00% (1 Report)	10.00% (1 Report)	100		
6. Technical Support (Training and other technical support)	Training Report	5.00% (1 Report)	5.00% (1 Report)	100		

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3. Geospatial Information Services and Production of NAMRIA Information, Education, and Communication (IEC) Materials		53.00	53.00	100		
1. Media Production and Packaging	4 NAMRIA IEC materials published 100% events covered through published NAMRIA Newscoop (NN)	14.00% (3 NAMRIA IEC material) (100% events covered through Newscoop)	14.00% (3 NAMRIA IEC material) (100% [19] 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 100% requests served for photo and video documentation	11.80% (1 IEC campaign/webinar) (1 map and technology exhibit) (100% requests for photo and video documentation)	18.70% (2 IEC campaign/webinar) (1 map and technology exhibit) (100% [4] photo and [9] video documentation)	100		
3. Geomatics Training	100% regular/special/MOA-based/online training programs conducted 2020 NGTC Training Report submitted	13.50% (100% regular/special/MOA-based/online) (1 Training Report)	13.50% (100% [11] regular/special/MOA-based/online) (1 Training Report)	100		
4. Client Services	100% clients served 6 Reports submitted 12 Monthly Sales Reports submitted 2020 MSO Sales Report submitted 4 MSO Inventory Report submitted	13.70% (100% clients served) (4 Reports) (6 Sales Reports) (2020 MSO Sales Report) (1 MSO Inventory Report)	13.70% (100% (3,203) clients) (4 Reports) (6 Sales Reports) (2020 MSO Sales Report) (1 MSO Inventory Report)	100		
4. Information and Communications Technology (ICT) Resource Management		47.56	47.56	100		
1. Maintenance of computer system	1 Updated list of ICT equipment 100% of computer systems (556) maintained semestrally	22.54% (556 computer systems)	23.39% (603 computer systems)	100		
2. Network/Datacenter Maintenance and Administration	A minimum of 95% operational monthly 1 Network system operational at a minimum of 95% monthly	(=>95% operational) 20.00% (=>95% operational)	(99.99% operational) 20.00% (99.70% operational)	100		

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3. ICT Research and Analysis - Technology case study for NAMRIA Deployment and Utilization - ICT Resource Management Information System (ICTRMIS) Maintenance	1 Case Study	2.50% (Abstract; Data gathering)	2.50% (Abstract; Data gathering)	100		
	1 ICTRMIS	2.52%	2.52%	100		

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