

National Mapping and Resource Information Authority  
**Physical Performance Report**  
As of December 31, 2020

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 First Quarter, FY 2021
	FY 2020 (Annual)	December 1-31 (Fourth Quarter)	As of December 31, 2020			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
<b>1. Hydrographic Surveys</b>		<b>100.00</b>	<b>98.07</b>	<b>98.07</b>		
1. Archipelagic Waters/Sealanes	Mindoro (deep waters) 2,700 sq km Mindoro (shallow waters) 1,300 sq km	100.00% (4,000 sq km)	100.00% (6,631.6 sq km/4,568.76 km sounding lines)		The command completed the 4,000 km sounding lines target and resulted in the overage in the covered area of more than 2,600 sq km.	
2. Ports and Harbors	3 Ports and Harbors (Subic Bay Freeport Zone; Manila North Harbor; Manila South Harbor/Pag-asa Is. Ext.)	100.00% (3 P & H)	100.00% (3 P & H)			
3. Quality Control of Bathymetric Data	11 Bathymetric Data	100.00% (11 bathymetric data)	100.00% (11 bathymetric data)			
4. Management of survey vessels	4 survey vessels (BRPHs Ventura; Presbitero; Palma; Hizon); Land-based backup survey systems	100.00%	98.33%		Ventura: Starboard main engine operation critical. Presbitero: Pending major repairs. The delay in procurement due to COVID-19 snowballed to the late obligation of projects. The mobilization of contractors and freight of equipment are also delayed due to border and travel restrictions (equipment and parts are sourced abroad).	Repairs are actively being pursued still and constantly monitored. The projected repair of Ventura and Presbitero will be completed by March 2021.
5. Maintenance and Operation of Magnetic Observatory						
- Continuous geomagnetic data acquisition	7,320 hourly values per year	40.00% (7,320 hourly values)	40.00% (7,320 hourly values)			
- Magnetic Repeat Stations (MRS) survey	5 sets of magnetic information from MRS survey (Balanga; Baler; General Santos; Zamboanga City; Tawi-tawi)	40.00% (5 MRS)	32.00% (4 MRS)		MRS survey in Tawi-tawi did not push through due to cancellation of flights, unavailability of other modes of transportation an strict regulations of LGU.	Tawi-tawi was dropped as survey area in 2020.

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
- Absolute magnetic observation at magnetic observatory - Isogonic chart publication	96 absolute information per year  1 printed Isogonic Chart	10.00% (96 abs magnetic obsn) 10.00% (1 Isogonic Chart)	10.00% (97 abs magnetic obsn) 10.00% (1 Isogonic Chart)			
<b>2. Nautical Charting</b>		<b>100.00</b>	<b>100.00</b>	<b>100</b>		
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts  2 Approach charts  13 Coastal charts  1 EEZ Chart  2 General Charts  15 Master Charts	100.00% (8 charts)  100.00% (2 charts)  100.00% (13 charts)  100.00%  100.00% (2 charts)  100.00% (15 charts)	100.00% (8 charts)  100.00% (2 charts)  100.00% (13 charts)  100.00%  100.00% (2 charts)  100.00% (15 charts)			
2. Data compilation and Update of Electronic Navigational Charts (ENC)	10 ENCs compiled and updated	100.00% (10 charts)	100.00% (10 charts)			
3. Manual correction of printed nautical charts	1,200 charts	100.00% (1,200 charts)	100.00% (1,200 charts)			
4. Reproduction of nautical publications	6,000 nautical charts 2,000 copies (2021 TCTs)	100.00% (6,000 nautical charts) (2,000 copies 2021 TCTs)	100.00% (6,000 nautical charts) (2,000 copies 2021 TCTs)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
<b>3. Maritime Publications and Support Services</b>		<b>100.00</b>	<b>100.00</b>	<b>100</b>		
1. Publication of Navigational Warnings (NW) or Notices to Mariners (NTM)	NW emailed to NAVAREA XI Coordinator	100.00%	100.00%			
	12 NTMs emailed to clients	(100% NW/ 12 NTMs)	100% (163) NW/(12) NTMs)			
2. Publication of Philippine List of Lights (PLL)	2021 Edition of PLL published	100.00%	100.00%			
3. Publication of Philippine Coast Pilot (PCP) Book	Vol. II, 7th Edition Manuscript drafted	100.00%	100.00%			
4. Delineation of municipal waters (MW)	50 out of 50 (100%) coastal LGUs, NGAs and other stakeholders provided tech'l assistance	100.00%	100.00%			
		(100% of LGUs, NGAs)	(100% (82 LGUs, NGAs)			
<b>4. Physical Oceanographic Surveys</b>		<b>100.00</b>	<b>96.50</b>	<b>96.50</b>		
1. Maintenance of tide stations - Annual inspection and releveing	50 stations inspected and releveled	25.00%	22.00%		Six (6) tide stations were not inspected and releveled due to strict implementation of community quarantine of the LGUs.	Inspection and releveing were scheduled on the first quarter of 2021.
		(50 stations)	(44 stations)			
2. Acquisition of physical oceanographic data						
2.1 Operation of tide stations (Sea level measurements, downloading of tidal data, and temperature, density & salinity measurements)	50 stations	25.00%	24.50%		Odiongan tide station is not operational due to port development.	Operation will resume once the development of the port is completed.
		(50 stations)	(49 stations)			
3. Data processing, analysis & prediction						
3.1 Processing of physical oceanographic data	100% of downloaded/retrieved months datasets	25.00%	25.00%			
		(100% of downloaded/retrieved months datasets)	(100% of downloaded/retrieved months datasets)			
4. Oceanographic data management						
4.1 Updating and maintenance of NODC	100% of database/archieved of downloaded/processed monthly	5.00%	5.00%			
		(100% of database/archieved of	database/archieved of			
	100% updated tidal datum planes	database/archieved of	database/archieved of			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
4.2 Preparation of Tide and Current Tables (TCTs) - Tide & Current Prediction manuscript - Quality Control - Printing	1 manuscript  1 manuscript  2,000 copies	downloaded/processed monthly; 100% updated tidal datum planes)  10.00% (1 Manuscript)  2.00% (1 Manuscript)  3.00% (2,000 copies)	downloaded/processed monthly; 100% updated tidal datum planes)  10.00% (1 Manuscript)  2.00% (1 Manuscript)  3.00% (2,000 copies)			
4.3 Provision of tidal information - Updating of tidal information on nautical charts - Provision and certification of oceanographic information	41 Nautical charts  100% of requests acted upon	5.00% (41 Nautical charts)  (95% of requests acted upon)	5.00% (50 Nautical charts)  (81 clients)			
<b>Program: Mapping and Geodesy</b>						
<b>1. Large-scale Mapping</b>		<b>100.00</b>	<b>100.00</b>	<b>100</b>		
a. Production of New-Series Large-Scale topographic base maps at 1:4,000 scale	360 mapsheets	100.00% (360 map sheets)	100.00% (360 map sheets)			
b. Unified Mapping						
b.1 Feature extraction for production of updated large-scale 1:10,000 topographic maps	1,800 mapsheets	100.00% (1,800 map sheets)	100.00% (1,821 map sheets)			
b.2 Quality assessment of 2019 outsourced line maps	1,200 mapsheets	100.00% (1,200 map sheets)	100.00% (1,200 map sheets)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
b.3 Large-scale (1:10,000) topographic database management and cartographic enhancement						
a. Topographic databasing	106 mapsheets	100.00% (106 map sheets)	100.00% (106 map sheets)			
b. Cartographic enhancement	45 mapsheets	100.00% (45 map sheets)	100.00% (45 map sheets)			
<b>2. Medium and Small Scale Mapping</b>		<b>100.00</b>	<b>100.00</b>	<b>100</b>		
A. Medium scale mapping (1:50,000)						
A.1 In-house (Feature extraction evaluation of vector data and cartographic enhancement)	30 mapsheets	100.00% (30 map sheets)	100.00% (30 map sheets)			
A.2 Contract Out (Feature extraction w/o enhancement)	45 mapsheets	100.00% (45 map sheets)	100.00% (45 map sheets)			
B. Small Scale Mapping (1:250,000)	4 maps	100.00% (4 maps)	100.00% (4 maps)			
<b>3. Updating of the Philippine Gazetteer</b>		<b>100.00</b>	<b>100.00</b>	<b>100</b>		
A. Topographic Database Mapping	30 mapsheets	100.00% (30 map sheets)	100.00% (30 map sheets)			
B. Updating of the Philippine Gazetteer Project	1 Geographic Names Geospatial Database uploaded/encoded with 5 provinces	100.00% (1 Geographic Names Geospatial Database)	100.00% (1 Geographic Names Geospatial Database)			
<b>4. Administrative Mapping</b>		<b>100.00</b>	<b>100.00</b>	<b>100</b>		
	12 draft maps (7 provincial; 5 regional)	100.00% (7 prov'l; 5 reg'l)	100.00% (7 prov'l; 5 reg'l)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
<b>5. Map Printing and Reproduction</b>		<b>100.00</b>	<b>100.00</b>	<b>100</b>		
1. Printing and Re-printing of topographic, administrative maps & nautical charts	80 maps/charts printed Special Publications:  5,000 shts Centennial Calendar 3,000 pamphlets 2021 Planner 13,000 sheets 2021 Calendar 2,000 books 2021 Tide & Current Tables	100.00% (80 maps/charts printed)  (5,000 sheets) (3,000 pamphlets) (13,000 sheets) (2,000 books)	100.00% (83 maps/charts printed)  (5,000 sheets) (3,000 pamphlets) (13,000 sheets) (2,000 books/80,000 shts)			
<b>6. Modernization of the Philippine Geodetic Reference System (PGRS)</b>		<b>100.00</b>	<b>100.00</b>	<b>100</b>		
1. Establishment of AGS	4 AGS (Outsource)	4.00%	4.00%			
2. AGS Site selection	1 Site	6.00% (1 site)	6.00% (1 site)			
3. Maintenance of AGS	52 AGS	34.00% (52 AGS)	34.00% (52 AGS)			
4. GCP re-observation	228 GCPs (Outsource)	12.00% (228 GCPs)	12.00% (228 GCPs)			
5. Development of PGD 2020 (Distortion Model)	1 Model	2.00%	2.00%			
6. IEC Campaign	1 Session	3.00%	3.00%			
7. Validation of Philippine Geoid Model	50 BMs	8.00% (20 BMs)	8.00% (20 BMs)			
8. Releveling of BMs	500 kms (Outsource=450; In-house=50)	21.00% (465 kms)	21.00% (465 kms)			
9. Densification of gravity stations and GCP maintenance	50 GS densified  250 GCPs maintained	2.00%  6.00% (72 GCPs)	2.00%  6.00% (72 GCPs)			
10. Uploading to NGIMS of Geodetic Reference datasets	4 AGS 228 GCPs	2.00% (228 GCPs)	2.00% (228 GCPs)			

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<b>Program: Resource Assessment and Mapping</b>						
<b>1. Forestland Evaluation and Mapping</b>		<b>100.00</b>	<b>100.00</b>	<b>100</b>		
Land Classification of Unclassified Public Forest (UPF) areas	8 preliminary LC maps	100.00% (8 prelim LC maps prep) (8 prelim LC maps ass'd) (8 UPF uploaded)	100.00% (8 prelim LC maps prep) (8 prelim LC maps ass'd) (8 UPF uploaded)			
<b>2. Land Cover Mapping</b>		<b>100.00</b>	<b>100.00</b>	<b>100</b>		
	18 provinces	100.00% (18 provs pre-processed) (18 provs data analysed) (2 provs surveyed) (18 provs assessed) (18 prelim maps prepared)	100.00% (18 provs pre-processed) (18 provs data analysed) (2 provs surveyed) (18 provs assessed) (18 prelim maps prepared)			
<b>3. Coastal Resource Mapping and Assessment</b>		<b>100.00</b>	<b>100.00</b>	<b>100</b>		
	14 provinces	100.00% (14 provs pre-processed) (1 prov surveyed) (14 provs assessed) (14 prelim maps prepared)	100.00% (14 provs pre-processed) (1 prov surveyed) (14 provs assessed) (14 prelim maps prepared)			
<b>4. ENR Data Integration (Geospatial Data Integration)</b>		<b>100.00</b>	<b>100.00</b>	<b>100</b>		
	10 provinces	100.00% (10 provs pre-processed) (10 provs data gathered) (10 provs data integrated) (10 prelim maps prepared) (8 prelim maps uploaded)	100.00% (10 provs pre-processed) (10 provs data gathered) (10 provs data integrated) (10 prelim maps prepared) (8 prelim maps uploaded)			

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<b>5. Participatory Mapping of Existing Land Uses</b>		<b>100.00</b>	<b>100.00</b>	<b>100</b>		
	5 provinces	100.00% (5 provinces data gathered) (5 provs preliminary classified) (5 provs data integrated) (2 sets of knowledge mat.) (5 provs presented to SH) (5 prelim maps prepared)	100.00% (5 provinces data gathered) (5 provs preliminary classified) (5 provs data integrated) (2 sets of knowledge mat.) (5 provs presented to SH) (5 prelim maps prepared)			
<b>Program: Geospatial Information System Management</b>						
<b>1. Information System Development &amp; Maintenance</b>		<b>100.00</b>	<b>100.00</b>	<b>100</b>		
1. System Analysis	5 Systems analysed	12.50% (5 systems)	12.50% (5 systems)			
2. System Design	5 Systems designed	11.00% (5 systems)	11.00% (5 systems)			
3. Application Development	4 Applications developed	42.00% (4 systems)	42.00% (4 systems)			
4. System Implementation	4 Systems implemented	3.50% (4 systems)	3.50% (4 systems)			
5. System Maintenance	25 Systems maintained	31.00% (25 systems)	31.00% (25 systems)			
<b>2. Geospatial Database Development &amp; Maintenance</b>		<b>100.00</b>	<b>100.00</b>	<b>100</b>		
1. Database Buildup	2 Database buildup	30.00% (2 database)	30.00% (2 database)			
2. Database maintenance	1 Database maintained	10.00% (1 database)	10.00% (1 database)			
3. Database design	4 Database designed	20.00% (4 database)	20.00% (4 database)			
4. LGU GIS Capability Assessment - LGU Capability Assessment Survey	2 Assessment Survey Reports	20.00% (2 Survey Reports)	20.00% (2 Survey Reports)			



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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
5. Technical support - GIS Training	2 GIS Training Reports	20.00% (2 GIS Training Reports)	20.00% (2 GIS Training Reports)			
<b>3. Geospatial Information Services and Production of NAMRIA Information, Education, and Communication Materials</b>		<b>100.00</b>	<b>100.00</b>	<b>100</b>		
1. Media Production and Packaging	3 NAMRIA IEC materials published 100% events covered through published NAMRIA Newscoop (NN)	25.00% (3 NAMRIA IEC material) (100% events covered)	25.00% (3 NAMRIA IEC material) 100% (24) Newscoop			
2. Information dissemination and documentation	1 IEC campaign/webinar prepared/conducted 1 NAMRIA Virtual Tour Audio-visual presentation (AVP) prepared 100% tour of facilities requests served 1 map and technology exhibit 100% requests served for photo and video documentation	25.00% (1 IEC campaign/webinar) (1 NAMRIA Virtual Tour AVP) (100% request served) (1 exhibit) (100% requests acted)	25.00% (1 IEC campaign/webinar) (1 NAMRIA Virtual Tour AVP) (100% (7) request served) (1 exhibit) 100% (55) photo and (20) video documentation)			
3. Geomatics Training	100% regular/special/MOA-based training programs conducted 1 PRC Accreditation 2019 NGTC Training Report prepared	25.00% (100% trainings condtd)	25.00% 100% (18) trainings)			
4. Client Services	100% clients served 6 Reports prepared 12 Monthly Sales Reports submitted 2019 MSO Sales Report submitted	25.00% (100% clients served) (6 Reports) (12 Monthly Sales Reports) (2019 MSO Sales Report)	25.00% 100% (4,534) clients) (6 Reports) (12 Monthly Sales Reports) (2019 MSO Sales Report)			

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<b>4. Information and Communications Technology Resource Management</b>		<b>100.00</b>	<b>100.00</b>	<b>100</b>		
1. Maintenance of computer system	1 Updated list of ICT equipment 100% of computer systems (619) maintained semestraly	50.00% (1 Updtd list of ICT equip) (1,238 computer systems)	50.00% (1 Updtd list of ICT equip) (1,238 computer systems)			
2. Network/Datacenter Maintenance and Administration	A minimum of 95% operational monthly 1 Network system operational at a minimum of 95% monthly	(=>95% operational) 40.00% (=>95% operational)	(99.99% operational) 40.00% (99.91% 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	5.00% (Final draft) 5.00%	5.00% (Final draft) 5.00%			

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<b>LOCALLY-FUNDED</b>						
<b>NAMRIA Geospatial Data Infrastructure</b>		<b>100.00</b>	<b>100.00</b>	<b>100</b>		
1. System Analysis	3 Systems analyzed	18.00% (3 Systems)	18.00% (3 Systems)			
2. System Design	1 System designed	6.00% (1 System)	6.00% (1 System)			
3. Application Development	2 Applications developed	45.00% (2 Applications)	45.00% (2 Applications)			
4. System Implementation	2 Systems implemented	2.50% (2 Systems)	2.50% (2 Systems)			
5. System Maintenance	5 Systems maintained	4.00% (5 Systems)	4.00% (5 Systems)			
6. Database Maintenance	2 database maintained	24.50% (2 Database)	24.50% (2 Database)			

APPROVED BY:

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