

National Mapping and Resource Information Authority
Physical Performance Report
As of November 30, 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)	November 1-30 (Fourth Quarter)	As of November 30, 2020			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
1. Hydrographic Surveys		93.98	89.66	95.40		
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.)	85.06% (3 P & H)	91.00% (3 P & H)		The survey team took advantage of good weather condition. Survey hours were extended and survey activities were also conducted on Saturdays.	
3. Quality Control of Bathymetric Data	11 Bathymetric Data	100.00% (11 bathymetric data)	100.00% (11 bathymetric data)			
4. Maintenance and operation of survey vessels	4 survey vessels (BRPHs Ventura; Presbitero; Palma; Hizon); Land-based backup survey systems	85.63%	84.00%		Ventura: Starboard main engine operation are 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 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	40.00% (5 MRS)	24.00% (3 MRS)		MRS survey is still on-going in Zamboanga and Bongao.	The survey will be completed by 1st week of December 2020.
- Absolute magnetic observation at magnetic observatory	96 absolute information per year	9.20% (88 abs magnetic obsn)	9.30% (89 abs magnetic obsn)			
- Isogonic chart publication	1 printed Isogonic Chart	10.00% (1 Isogonic Chart)	0.00%		MRS survey still on-going.	The target of one (1) printed Isogonic Chart will be done after the MRS survey at Zamboanga and Bongao.

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2. Nautical Charting		90.69	90.69	100		
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts	91.25% (8 charts)	91.25% (8 charts)			
	2 Approach charts	86.00% (2 charts)	86.00% (2 charts)			
	13 Coastal charts	92.46% (13 charts)	93.54% (13 charts)			
2. Data compilation and Update of Electronic Navigational Charts (ENC)	1 EEZ Chart	86.00%	86.00%			
	2 General Charts	93.00% (2 charts)	93.00% (2 charts)			
	15 Master Charts	88.00% (15 charts)	88.00% (15 charts)			
3. Manual correction of printed nautical charts	10 ENCs compiled and updated	93.00% (10 charts)	97.20% (10 charts)			
4. Reproduction of nautical publications	1,000 charts	88.67% (1,130 charts)	88.67% (1,130 charts)			
	6,000 nautical charts	91.67% (5,000 nautical charts)	91.67% (5,000 nautical charts)			
	2,000 copies (2021 TCTs)	(2,000 copies 2021 TCTs)	(2,000 copies 2021 TCTs)			
3. Maritime Publications and Support Services		81.81	81.81	100		
1. Publication of Navigational Warnings (NW) or Notices to Mariners (NTM)	NW emailed to NAVAREA XI Coordinator	91.70% (100% NW/11 NTMs)	91.70% 100% (150) NW/(11) NTMs)			
2. Publication of Philippine List of Lights (PLL)	12 NTMs emailed to clients	63.50%	63.50%			
3. Publication of Philippine Coast Pilot (PCP) Book	2021 Edition of PLL published	80.50%	80.50%			
4. Delineation of municipal waters (MW)	Vol. II 7th Edition published	91.50% (100% of LGUs, NGAs)	91.50% (100% (74 LGUs, NGAs)			
	50 out of 50 (100%) coastal LGUs, NGAs and other stakeholders provided tech'l assistance					
4. Physical Oceanographic Surveys		62.91	58.04	92.26		
1. Maintenance of tide stations - Annual inspection and releveled	50 stations inspected and releveled	25.00% (50 stations)	21.50% (43 stations)		Field work activities have been affected by the pandemic. Currently, fieldwork activities are ongoing.	Slippage will be addressed by the end of December 2020.
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	22.91% (50 stations)	21.54% (47 stations)		Odiongan tide station is not operational due to port development. Tide gauge in Limay Tide Station was damaged by Typhoon Quinta.	Operation will resume once the development of the port is completed. Tide gauge will be re-installed in December 2020.

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					Tide gauge in Bantayan Tide Station is not operational.	The Team was dispatched on the 3rd week of November to re-install the tide gauge.
3. Data processing, analysis & prediction 3.1 Processing of physical oceanographic data						
4. Oceanographic data management 4.1 Updating and maintenance of NODC 4.2 Preparation of Tide and Current Tables (TCTs) - Tide & Current Prediction manuscript	1 manuscript	10.00% (1 Manuscript)	10.00% (1 Manuscript)			
- Quality Control	1 manuscript	2.00% (1 Manuscript)	2.00% (1 Manuscript)			
- Printing	2,000 copies	3.00% (2,000 copies)	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					
Program: Mapping and Geodesy						
1. Large-scale Mapping		81.22	81.22	100		
a. Production of New-Series Large-Scale topographic base maps at 1:4,000 scale	360 mapsheets	75.00% (270 map sheets)	86.59% (316 map sheets)			
b. Unified Mapping						
b.1 Feature extraction for production of updated large-scale 1:10,000 topographic maps	1,800 mapsheets	85.00% (1,260 map sheets)	97.50% (1,737 map sheets)			
b.2 Quality assessment of 2019 outsourced line maps		87.50% (1,042 map sheets)	87.50% (1,042 map sheets)			
b.3 Large-scale (1:10,000) topographic database management and cartographic enhancement						

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a. Topographic databasing	106 mapsheets	87.30% (94 map sheets)	87.30% (94 map sheets)			
b. Cartographic enhancement	45 mapsheets	89.00% (45 map sheets)	89.00% (45 map sheets)			
2. Medium and Small Scale Mapping		96.13	96.13	100		
A. Medium scale mapping (1:50,000)						
A.1 In-house (Feature extraction evaluation of vector data and cartographic enhancement)	30 mapsheets	93.04% (18 map sheets)	93.04% (25 map sheets)			
A.2 Contract Out (Feature extraction w/o enhancement)	45 mapsheets	99.33% (45 map sheets)	99.33% (45 map sheets)			
B. Small Scale Mapping (1:250,000)	4 maps	96.07% (4 maps)	96.07% (4 maps)			
3. Updating of the Philippine Gazetteer		94.64	94.64	100		
A. Topographic Database Mapping	30 mapsheets	95.96%	95.96%			
B. Updating of the Philippine Gazetteer Project	1 Geographic Names Geospatial Database uploaded/encoded with 5 provinces	93.33%	93.33%			
4. Administrative Mapping		98.50	98.50	100		
	12 draft maps (7 provincial; 5 regional)	98.50% (7 prov'l; 5 reg'l)	98.50% (7 prov'l; 5 reg'l)			
5. Map Printing and Reproduction		81.87	80.37	98.17		
1. Printing and Re-printing of topographic, administrative maps & nautical charts	80 maps/charts printed Special Publications: 5,000 slits Centennial Calendar 3,000 pamphlets 2021 Planner 13,000 sheets 2021 Calendar 2,000 books 2021 Tide & Current Tables	81.87% (80 maps/charts printed) (5,000 sheets) (3,000 pamphlets)	80.37% (77 maps/charts printed) (5,000 sheets) (2,000 books/80,000sheets)		Slippage was due to prioritization on the printing of 2021 Tide and Current Tables due to clients' demand.	Printing of three (3) maps will be completed in December 2020.
6. Modernization of the Philippine Geodetic Reference System (PGRS)		93.50	87.50	93.58		
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	29.50% (46 AGS)	29.50% (46 AGS)			

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4. GCP re-observation	228 GCPs (Outsource)	12.00% (228 GCPs)	6.00% (50 GCPs)		Contract has been cancelled due to widespread disruptions caused by the COVID-19.	The contract has been amended. The location survey area has been changed from Regions I & II to NCR and extended up to December 30, 2020.
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					
Program: Resource Assessment and Mapping						
1. Forestland Evaluation and Mapping		96.05	96.05	100		
Land Classification of Unclassified Public Forest (UPF) areas	8 preliminary LC maps	96.05% (8 prelim LC maps prep) (8 prelim LC maps ass'd) (4 UPF uploaded)	96.05% (8 prelim LC maps prep) (8 prelim LC maps ass'd) (4 UPF uploaded)			
2. Land Cover Mapping		91.67	91.67	100		
	18 provinces	91.67% (18 provs pre-processed) (18 provs data analysed) (2 provs surveyed) (18 provs assessed) (18 prelim maps prepared)	91.67% (18 provs pre-processed) (18 provs data analysed) (2 provs surveyed) (18 provs assessed) (18 prelim maps prepared)			
3. Coastal Resource Mapping and Assessment		87.50	87.50	100		
	14 provinces	87.50% (14 provs pre-processed) (1 prov surveyed) (14 provs assessed) (14 prelim maps prepared)	87.50% (14 provs pre-processed) (1 prov surveyed) (14 provs assessed) (14 prelim maps prepared)			

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4. ENR Data Integration (Geospatial Data Integration)		95.00	95.00	100		
	10 provinces	95.00% (10 provs pre-processed) (10 provs data gathered) (10 provs data integrated) (10 prelim maps prepared) (8 prelim maps uploaded)	95.00% (10 provs pre-processed) (10 provs data gathered) (10 provs data integrated) (10 prelim maps prepared) (8 prelim maps uploaded)			
5. Participatory Mapping of Existing Land Uses		90.00	90.00	100		
	5 provinces	90.00% (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)	90.00% (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)			
Program: Geospatial Information System Management						
1. Information System Development & Maintenance		83.75	83.75	100		
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					
5. System Maintenance	25 Systems maintained	18.25% (25 systems)	18.25% (25 systems)			
2. Geospatial Database Development & Maintenance		86.66	86.66	100		
1. Database Buildup	2 Database buildup	27.50% (2 database)	27.50% (2 database)			
2. Database maintenance	1 Database maintained	9.16% (1 database)	9.16% (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)			
5. Technical support - GIS Training	2 GIS Training Reports	10.00% (1 GIS Training Report)	10.00% (1 GIS Training Report)			

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3. Geospatial Information Services and Production of NAMRIA Information, Education, and Communication Materials		76.08	76.08	100		
1. Media Production and Packaging	3 NAMRIA IEC materials published 100% events covered through published NAMRIA Newscoop (NN)	21.00% (3 NAMRIA IEC material) (100% events covered)	21.00% (3 NAMRIA IEC material) 100% (13) 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	14.95% (1 IEC campaign/webinar) (100% request served) (1 exhibit) (100% requests acted)	14.95% (1 IEC campaign/webinar) (100% (7) request served) (1 exhibit) 100% (48) photo and (14) video documentation)			
3. Geomatics Training	100% regular/special/MOA-based training programs conducted 1 PRC Accreditation 2019 NGTC Training Report prepared	17.75% (100% trainings condtd) (1 Report)	17.75% 100% (13) trainings (1 Report)			
4. Client Services	100% clients served 6 Reports prepared 12 Monthly Sales Reports submitted 2019 MSO Sales Report submitted	22.38% (100% clients served) (5 Reports) (11 Monthly Sales Reports) (2019 MSO Sales Report)	22.38% 100% (4,179) clients (5 Reports) (11 Monthly Sales Reports) (2019 MSO Sales Report)			
4. Information and Communications Technology Resource Management		90.48	90.33	99.83		
1. Maintenance of computer system	1 Updated list of ICT equipment 100% of computer systems (619) maintained semestrally A minimum of 95% operational monthly	45.49% (1 Updtd list of ICT equip) (1,238 computer systems) (=>95% operational)	45.34% (1 Updtd list of ICT equip) (1,229 computer systems) (99.99% operational)		Scheduled preventive maintenance was affected due to a reduced workforce in compliance to the required skeletal/skeleton work arrangements.	All preventive maintenance are rescheduled by the end of December 2020.
2. Network/Datacenter Maintenance and Administration	1 Network system operational at a minimum of 95% monthly	36.65% (=>95% operational)	36.65% (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	3.75% (Final draft) 4.59%	3.75% (Final draft) 4.59%			


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LOCALLY-FUNDED						
NAMRIA Geospatial Data Infrastructure		91.00	91.00	100		
1. System Analysis	3 Systems analyzed	15.00% (3 Systems)	15.00% (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	1.25% (2 Systems)	1.25% (2 Systems)			
5. System Maintenance	5 Systems maintained	1.25% (5 Systems)	1.25% (5 Systems)			
6. Database Maintenance	2 database maintained	22.50% (2 Database)	22.50% (2 Database)			

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