

National Mapping and Resource Information Authority  
**Physical Performance Report**  
As of October 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)	October 1-31 (Fourth Quarter)	As of October 31, 2020			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
<b>1. Hydrographic Surveys</b>		<b>84.94</b>	<b>75.55</b>	<b>88.95</b>		
1. Archipelagic Waters/Sealanes	Mindoro (deep waters) 2,700 sq km Mindoro (shallow waters) 1,300 sq km	95.00% (4,000 sq km)	100.00% (6,631.6 sq km / 4,568.76 km sounding lines)		The command completed the 4,500 km sounding lines target and resulted in the coverage 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.)	69.76% (3 P & H)	55.62% (3 P & H)		Slippages due to: 1) Quarantine protocols in NCR hinders coordination and travel, hence delays in the implementation of activities; 2) Weather disturbances and rampant obstructions in the area (water vegetation) causing delays in the execution of the survey.	Requested additional manpower, survey platform and equipment. Will work on Saturdays to expedite data acquisition. Slippages will be addressed by December 2020.
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	75.63%	73.96%		Ventura: Starboard main engine operation critical. Presbitero: Pending major repairs.	Vessels will be seaworthy and survey ready upon completion of ship repairs and drydocking. Close coordination with external suppliers are continuously done to promptly address issues.
5. Maintenance and Operation of Magnetic Observatory						
- Continuous geomagnetic data acquisition	7,320 hourly values per year	36.00% (6,588 hourly values)	36.00% (6,588 hourly values)			
- Magnetic Repeat Stations (MRS) survey	5 sets of magnetic information from MRS survey	40.00% (5 MRS)	8.89% (2 MRS)		Field survey for Zamboanga, Bongao and General Santos are still monitored due to quarantine restrictions.	The survey at General Santos was postponed due to flight cancellation.
- Absolute magnetic observation at magnetic observatory	96 absolute information per year	8.30% (80 abs magnetic obsn)	8.51% (82 abs magnetic obsn)			
- Isogonic chart publication	1 printed Isogonic Chart					
<b>2. Nautical Charting</b>		<b>76.09</b>	<b>76.09</b>	<b>100</b>		
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts	81.25% (8 charts)	81.25% (8 charts)			
	2 Approach charts	70.00%	70.00%			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
	13 Coastal charts	(2 charts) 83.85% (13 charts)	(2 charts) 85.08% (13 charts)			

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2. Data compilation and Update of Electronic Navigational Charts (ENC) 3. Manual correction of printed nautical charts 4. Reproduction of nautical publications	1 EEZ Chart	70.00%	70.00%			
	2 General Charts	85.00%	85.00%			
	15 Master Charts	74.00%	74.00%			
	10 ENCs compiled and updated	85.00%	89.50%			
	1,000 charts	75.67%	75.67%			
	6,000 nautical charts 2,000 copies (2021 TCTs)	66.34%	66.34%			
<b>3. Maritime Publications and Support Services</b>		<b>74.06</b>	<b>74.06</b>	<b>100</b>		
1. Publication of Navigational Warnings (NW) or Notices to Mariners (NTM)	NW emailed to NAVAREA XI Coordinator 12 NTMs emailed to clients	83.50%	83.50%			
2. Publication of Philippine List of Lights (PLL)	2021 Edition of PLL published	57.00%	57.00%			
3. Publication of Philippine Coast Pilot (PCP) Book	Vol. II 7th Edition published	72.50%	72.50%			
4. Delineation of municipal waters (MW)	50 out of 50 (100%) coastal LGUs, NGAs and other stakeholders provided tech'l assistance	83.20%	83.20%			
<b>4. Physical Oceanographic Surveys</b>		<b>57.32</b>	<b>49.40</b>	<b>86.18</b>		
1. Maintenance of tide stations - Annual inspection and releveled	50 stations inspected and releveled	22.50%	15.00%		Field work activities have been affected by the pandemic. Currently, fieldwork activities are ongoing.	Slippage will be addressed by the end of November 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	20.82%	20.40%		Odiongan tide station is not operational due to port development.	Operation will resume once the development of the port is completed.

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	(1)	(2)	(3)	(4)		
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 - Quality Control - Printing	1 m manuscript  1 m manuscript  2,000 copies	10.00% (1 Manuscript)  2.00% (1 Manuscript)  2.00% (1,500 copies)	10.00% (1 Manuscript)  2.00% (1 Manuscript)  2.00% (1,500 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					
<b>Program: Mapping and Geodesy</b>						
<b>1. Large-scale Mapping</b>		<b>76.75</b>	<b>76.75</b>	<b>100</b>		
a. Production of New-Series Large-Scale topographic base maps at 1:4,000 scale	360 mapsheets	75.00% (270 map sheets)	80.00% (270 map sheets)			
b. Unified Mapping b.1 Feature extraction for production of updated large-scale 1:10,000 topographic maps b.2 Quality assessment of 2019 outsourced line maps	1,800 mapsheets  1,200 mapsheets	85.00% (1,260 map sheets)  75.00% (726 map sheets)	90.00% (1,279 map sheets)  75.00% (726 map sheets)			



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	(1)	(2)	(3)	(4)		
b.3 Large-scale (1:10,000) topographic database management and cartographic enhancement						
a. Topographic databasing	106 mapsheets	74.80% (84 map sheets)	74.80% (84 map sheets)			
b. Cartographic enhancement	45 mapsheets	82.75% (12 map sheets)	82.75% (12 map sheets)			
<b>2. Medium and Small Scale Mapping</b>		<b>82.65</b>	<b>82.65</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	81.23% (18 map sheets)	81.23% (20 map sheets)			
A.2 Contract Out (Feature extraction w/o enhancement)	45 mapsheets	86.94% (23 map sheets)	86.94% (23 map sheets)			
B. Small Scale Mapping (1:250,000)	4 maps	82.14% (3 map sheets)	82.14% (3 map sheets)			
<b>3. Updating of the Philippine Gazetteer</b>		<b>82.84</b>	<b>82.84</b>	<b>100</b>		
A. Topographic Database Mapping	30 mapsheets	83.98%	83.98%			
B. Updating of the Philippine Gazetteer Project	1 Geographic Names Geospatial Database uploaded/encoded with 5 provinces	81.67%	84.17%			
<b>4. Administrative Mapping</b>		<b>91.00</b>	<b>91.00</b>	<b>100</b>		
	12 draft maps (7 provincial; 5 regional)	91.00% (7 prov'l; 5 reg'l)	91.00% (7 prov'l; 5 reg'l)			
<b>5. Map Printing and Reproduction</b>		<b>81.17</b>	<b>76.67</b>	<b>94.46</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	81.17% (80 maps/charts printed) (5,000 sheets)	76.67% (71 maps/charts printed) (5,000 sheets) (2,000 books/80,000 sheets)		Slippage due to prioritization on the printing of 2021 Tide and Current Tables due to clients demand.	Printing of nine (9) maps will be completed in November 2020.

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<b>6. Modernization of the Philippine Geodetic Reference System (PGRS)</b>		<b>89.00</b>	<b>83.00</b>	<b>93.26</b>		
1. Establishment of AGS	4 AGS (Outsource)	4.00%	4.00%			
2. AGS Site selection	1 Site	6.00%	6.00%			
3. Maintenance of AGS	52 AGS	25.00%	25.00%			
4. GCP re-observation	228 GCPs (Outsource)	12.00%	6.00%		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%	8.00%			
8. Releveling of BMs	500 kms (Outsource=450; In-house=50)	21.00%	21.00%			
9. Densification of gravity stations and GCP maintenance	50 GS densified	2.00%	2.00%			
	250 GCPs maintained	6.00%	6.00%			
10. Uploading to NGIMS of Geodetic Reference datasets	4 AGS					
	228 GCPs					
<b>Program: Resource Assessment and Mapping</b>		<b>88.55</b>	<b>88.55</b>	<b>100</b>		
<b>1. Forestland Evaluation and Mapping</b>						
Land Classification of Unclassified Public Forest (UPF) areas	8 preliminary LC maps	88.55%	88.55%			
		(8 prelim LC maps prep)	(8 prelim LC maps prep)			
		(6 prelim LC maps ass'd)	(6 prelim LC maps ass'd)			
		(4 UPF uploaded)	(4 UPF uploaded)			

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<b>2. Land Cover Mapping</b>		<b>87.34</b>	<b>87.34</b>	<b>100</b>		
	18 provinces	87.34% (18 provs pre-processed) (18 provs data analysed) (2 provs surveyed) (18 provs assessed) (18 prelim maps prepared)	87.34% (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>83.00</b>	<b>83.00</b>	<b>100</b>		
	14 provinces	83.00% (14 provs pre-processed) (1 prov surveyed) (14 provs assessed) (14 prelim maps prepared)	83.00% (14 provs pre-processed) (1 prov surveyed) (14 provs assessed) (14 prelim maps prepared)			
<b>4. ENR Data Integration (Geospatial Data Integration)</b>		<b>93.00</b>	<b>93.00</b>	<b>100</b>		
	10 provinces	93.00% (10 provs pre-processed) (10 provs data gathered) (10 provs data integrated) (10 prelim maps prepared) (6 prelim maps uploaded)	93.00% (10 provs pre-processed) (10 provs data gathered) (10 provs data integrated) (10 prelim maps prepared) (6 prelim maps uploaded)			
<b>5. Participatory Mapping of Existing Land Uses</b>		<b>87.00</b>	<b>87.00</b>	<b>100</b>		
	5 provinces	87.00% (5 provinces data gathered) (5 provs preliminary classified) (5 provs data integrated) (2 sets of knowledge mat.) (5 provs presented to SH) (4 prelim maps prepared)	87.00% (5 provinces data gathered) (5 provs preliminary classified) (5 provs data integrated) (2 sets of knowledge mat.) (5 provs presented to SH) (4 prelim maps prepared)			



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<b>Program: Geospatial Information System Management</b>						
<b>1. Information System Development &amp; Maintenance</b>		<b>78.50</b>	<b>78.50</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	37.25% (4 systems)	37.25% (4 systems)			
4. System Implementation	4 Systems implemented					
5. System Maintenance	25 Systems maintained	17.75% (25 systems)	17.75% (25 systems)			
<b>2. Geospatial Database Development &amp; Maintenance</b>		<b>78.32</b>	<b>78.32</b>	<b>100</b>		
1. Database Buildup	2 Database buildup	25.00% (2 database)	25.00% (2 database)			
2. Database maintenance	1 Database maintained	8.32% (1 database)	8.32% (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	15.00% (1 Survey Report)	15.00% (1 Survey Report)			
5. Technical support - GIS Training	2 GIS Training Reports	10.00% (1 GIS Training Report)	10.00% (1 GIS Training Report)			
<b>3. Geospatial Information Services and Production of NAMRIA Information, Education, and Communication Materials</b>		<b>67.73</b>	<b>67.73</b>	<b>100</b>		
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			



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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
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	8.05%  (100% request served) (1 exhibit) (100% requests acted)	8.05%  (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	20.93% (100% clients served) (5 Reports) (10 Monthly Sales Reports) (2019 MSO Sales Report)	20.93% 100% (3,741) clients) (5 Reports) (10 Monthly Sales Reports) (2019 MSO Sales Report)			
<b>4. Information and Communications Technology Resource Management</b>		<b>82.15</b>	<b>77.04</b>	<b>93.78</b>		
1. Maintenance of computer system	1 Updated list of ICT equipment 100% of computer systems (619) maintained semestrally A minimum of 95% operational monthly	40.90% (1,238 computer systems) (=>95% operational)	35.79% (922 computer systems) (99.99% operational)			
2. Network/Datacenter Maintenance and Administration	1 Network system operational at a minimum of 95% monthly	33.32% (=>95% operational)	33.32% (99.93% 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 in the 4th quarter of 2020.

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3. ICT Research and Analysis - Technology case study for NAMRIA Deployment and Utilization - ICT Resource Management Information System (ICTRM IS) Maintenance	1 Case Study	3.75% (Final draft)	3.75% (Final draft)			
	1 ICTRM IS	4.18%	4.18%			
<b>LOCALLY-FUNDED</b>						
<b>NAMRIA Geospatial Data Infrastructure</b>		<b>83.50</b>	<b>83.50</b>	<b>100</b>		
1. System Analysis	3 Systems analyzed	12.00% (3 Systems)	12.00% (3 Systems)			
2. System Design	1 System designed	6.00% (1 System)	6.00% (1 System)			
3. Application Development	2 Applications developed	42.50% (2 Applications)	42.50% (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	20.50% (2 Database)	20.50% (2 Database)			

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