

National Mapping and Resource Information Authority

Physical Performance Report

As of September 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 Fourth Quarter, FY 2020
	FY 2020 (Annual)	September 1-30 (Third Quarter)	As of September 30, 2020			
(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
1. Hydrographic Surveys		79.71	64.19	80.53		
1. Archipelagic Waters/Sealanes	4,000 sq km (4,500 km sounding lines) (Mindoro/Panay Gulf/Sibuyan Sea/Sulu Sea)	80.00% (5,000 sq km/4,500 km sounding lines)	90.00% (6,631.6 sq km/4,568.76 km sounding lines)			
2. Ports and Harbors	3 Ports and Harbors (Subic Bay Freeport Zone; Manila North Harbor; Manila South Harbor/Pag-asa Is. Ext.)	59.10% (3 P & H)	34.60% (3 P & H)		Quarantine protocols in NCR hinders coordination and travel, hence delays in the implementation of activities	FST deployment tentatively set on the 1st week of October 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; 2 motor launches; 11 survey skiffs (3 Multi beam echo sounder (MBES); 8 Single beam echo sounder (SBES))	80.00% (Ventura & Presbitero=40%; Palma & Hizon=16%; 2 ML=8%; 11 skiffs=16%;)	58.00% (Ventura & Presbitero=20%; Palma & Hizon=14%; 2 ML=8%; 11 skiffs=16%;)		Presbitero: Pending major repairs. Palma: Pending critical repairs on portside generator. Hizon: Main engine limited operation (not recommended for long navigation)	
5. Maintenance and Operation of Magnetic Observatory						
- Continuous geomagnetic data acquisition	7,320 hourly values per year	32.00% (5,856 hourly values)	32.00% (5,856 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, Tawi-tawi and General Santos were postponed due to flight cancellations	Flight was rescheduled on 03 October 2020.
- Absolute magnetic observation at magnetic observatory	96 absolute information per year	7.47% (72 abs magnetic obsn)	8.51% (82 abs magnetic obsn)			
- Isogonic chart publication	1 printed Isogonic Chart					
2. Nautical Charting		61.68	61.68	100		
1. Data compilation and/or enhancement of nautical charts	8 Harbor charts	71.25% (8 charts)	71.25% (8 charts)			
	2 Approach charts	54.00% (2 charts)	54.00% (2 charts)			
	13 Coastal charts	75.22% (13 charts)	75.22% (13 charts)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
2. Data compilation and Update of Electronic Navigational Charts (ENC)	1 EEZ Chart	54.00%	54.00%			
3. Manual correction of printed nautical charts	2 General Charts	77.00%	77.00%			
4. Reproduction of nautical publications	15 Master Charts	60.00%	60.00%			
	10 ENCs compiled and updated	77.00%	81.00%			
	1,000 charts	63.00%	63.00%			
	6,000 nautical charts 2,000 copies (2021 TCTs)	41.50%	41.50%			
3. Maritime Publications and Support Services		66.28	66.28	100		
1. Publication of Navigational Warnings (NW) or Notices to Mariners (NTM)	NW emailed to NAVAREA XI Coordinator	75.20%	75.20%			
2. Publication of Philippine List of Lights (PLL)	12 NTMs emailed to clients	50.50%	50.50%			
3. Publication of Philippine Coast Pilot (PCP) Book	2021 Edition of PLL published	64.50%	64.50%			
4. Delineation of municipal waters (MW)	Vol. II 7th Edition published	74.90%	74.90%			
	50 out of 50 (100%) coastal LGUs, NGAs and other stakeholders provided tech'l assistance	74.90%	74.90%			
4. Physical Oceanographic Surveys		50.23	46.21	92.00		
1. Maintenance of tide stations - Annual inspection and releveing	50 stations inspected and releveled	18.50%	14.50%		Field work activities have been affected by the pandemic. Currently, fieldwork activities is ongoing.	Slippage will be addressed by the end of October 2020.
2. Acquisition of physical oceanographic data		18.73%	18.71%		Operation of Mariveles Tide Station was temporarily suspended due to port development.	Will be re-establish next month.
2.1 Operation of tide stations (Sea level measurements, downloading of tidal data, and temperature, density & salinity measurements)	50 stations	18.73%	18.71%		Limay tide station stopped operation due to problem on instruments.	Instruments will be repaired next month.
		18.73%	18.71%		Odiongán 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)	(5)=(4/3)	(6)	(7)
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 manuscript 1 manuscript 2,000 copies	10.00% (1 Manuscript) 2.00% (1 Manuscript) 1.00% (500 copies)	10.00% (1 Manuscript) 2.00% (1 Manuscript) 1.00% (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					
Program: Mapping and Geodesy						
1. Large-scale Mapping		71.00	71.00	100		
a. Production of New-Series Large-Scale topographic base maps at 1:4,000 scale	360 mapsheets	75.00% (270 map sheets)	75.00% (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) 62.50% (726 map sheets)	85.00% (1,279 map sheets) 62.50% (726 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	62.15% (70 map sheets)	62.15% (70 map sheets)			
b. Cartographic enhancement	45 mapsheets	62.75% (12 map sheets)	62.75% (12 map sheets)			
2. Medium and Small Scale Mapping		70.00	70.00	100		
A. Medium scale mapping (1:50,000)						
A.1 In-house (Feature extraction evaluation of vector data and cartographic enhancement)	30 mapsheets	68.09% (18 map sheets)	72.09% (18 map sheets)			
A.2 Contract Out (Feature extraction w/o enhancement)	45 mapsheets	77.52% (23 map sheets)	77.52% (23 map sheets)			
B. Small Scale Mapping (1:250,000)	4 maps	68.21% (3 map sheets)	68.21% (3 map sheets)			
3. Updating of the Philippine Gazetteer		70.10	70.10	100		
A. Topographic Database Mapping	30 mapsheets	71.31%	74.18%			
B. Updating of the Philippine Gazetteer Project	1 Geographic Names Geospatial Database uploaded/encoded with 5 provinces	68.89%	71.59%			
4. Administrative Mapping		77.50	77.50	100		
	12 draft maps (7 provincial; 5 regional)	77.50% (4 prov'l; 5 reg'l)	77.50% (4 prov'l; 5 reg'l)			
5. Map Printing and Reproduction		68.67	60.67	88.35		
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	68.67% (65 maps/charts printed) (5,000 sheets)	60.67% (49 maps/charts printed) (5,000 sheets) (57,500 sheets)		Slippage due to prioritization on the printing of 2021 Tide and Current Tables due to clients demand.	Printing of sixteen (16) maps will be completed in October and November 2020.

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
6. Modernization of the Philippine Geodetic Reference System (PGRS)		78.50	71.25	90.76		
1. Establishment of AGS	4 AGS (Outsource)	4.00%	4.00%		The slight slippage was due to positive COVID result of the driver involved in the fieldwork. Contract has been cancelled due to widespread disruptions caused by the COVID-19. In-house of 50 kms was discontinued due to COVID-19	
2. AGS Site selection	1 Site	6.00%	6.00%			
3. Maintenance of AGS	52 AGS	22.50%	21.25%			
4. GCP re-observation	228 GCPs (Outsource)	12.00%	6.00%			
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)	13.00%	13.00%			
9. Densification of gravity stations and GCP maintenance	50 GS densified	2.00%	2.00%			
10. Uploading to NGIMS of Geodetic Reference datasets	4 AGS 228 GCPs	6.00%	6.00%			
	250 GCPs maintained	6.00%	6.00%			
		72 GCPs	72 GCPs			
Program: Resource Assessment and Mapping						
1. Forestland Evaluation and Mapping		84.80	84.80	100		
Land Classification of Unclassified Public Forest (UPF) areas	8 preliminary LC maps	84.80%	84.80%			
		(8 prelim LC maps prep)	(8 prelim LC maps prep)			
		(5 prelim LC maps ass'd)	(5 prelim LC maps ass'd)			
		(4 UPF uploaded)	(4 UPF uploaded)			

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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
2. Land Cover Mapping		80.39	80.39	100		
	18 provinces	80.39% (18 provs pre-processed) (18 provs data analysed) (2 provs surveyed) (18 provs assessed) (13 prelim maps prepared)	80.39% (18 provs pre-processed) (18 provs data analysed) (2 provs surveyed) (18 provs assessed) (13 prelim maps prepared)			
3. Coastal Resource Mapping and Assessment		75.93	75.93	100		
	14 provinces	75.93% (14 provs pre-processed) (1 prov surveyed) (14 provs assessed) (11 prelim maps prepared)	75.93% (14 provs pre-processed) (1 prov surveyed) (14 provs assessed) (11 prelim maps prepared)			
4. ENR Data Integration (Geospatial Data Integration)		85.60	85.60	100		
	10 provinces	85.60% (10 provs pre-processed) (10 provs data gathered) (10 provs data integrated) (8 prelim maps prepared) (3 prelim maps uploaded)	85.60% (10 provs pre-processed) (10 provs data gathered) (10 provs data integrated) (8 prelim maps prepared) (3 prelim maps uploaded)			
5. Participatory Mapping of Existing Land Uses		81.00	81.00	100		
	5 provinces	81.00% (5 provinces data gathered) (5 provs preliminary classified) (5 provs data integrated) (2 sets of knowledge mat.) (4 provs presented to SH) (3 prelim maps prepared)	81.00% (5 provinces data gathered) (5 provs preliminary classified) (5 provs data integrated) (2 sets of knowledge mat.) (4 provs presented to SH) (3 prelim maps prepared)			

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Program: Geospatial Information System Management						
1. Information System Development & Maintenance		70.00	70.00	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	29.25% (4 systems)	29.25% (4 systems)			
4. System Implementation	4 Systems implemented					
5. System Maintenance	25 Systems maintained	17.25% (25 systems)	17.25% (25 systems)			
2. Geospatial Database Development & Maintenance		74.98	74.98	100		
1. Database Buildup	2 Database buildup	22.50% (2 database)	22.50% (2 database)			
2. Database maintenance	1 Database maintained	7.48% (1 database)	7.48% (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)			
3. Geospatial Information Services and Production of NAMRIA Information, Education, and Communication Materials		62.03	62.03	100		
1. Media Production and Packaging	3 NAMRIA IEC materials published 100% events covered through published NAMRIA Newscoop (NN)	16.75% (3 NAMRIA IEC material) (100% events covered)	16.75% (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	19.48% (100% clients served) (5 Reports) (9 Monthly Sales Reports) (2019 MSO Sales Report)	19.48% 100% (3,317) clients (5 Reports) (9 Monthly Sales Reports) (2019 MSO Sales Report)			
4. Information and Communications Technology Resource Management		73.82	69.00	93.47		
1. Maintenance of computer system	1 Updated list of ICT equipment 100% of computer systems (619) maintained semestrally A minimum of 95% operational monthly	36.31% (1,084 computer systems) (=>95% operational)	31.49% (785 computer systems) (99.99% operational)			
2. Network/Datacenter Maintenance and Administration	1 Network system operational at a minimum of 95% monthly	29.99% (=>95% operational)	29.99% (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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(1)	(2)	(3)	(4)	(5)=(4/3)	(6)	(7)
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%	3.75%			
	1 ICTRM IS	3.77%	3.77%			
LOCALLY-FUNDED						
NAMRIA Geospatial Data Infrastructure		75.25	75.25	100		
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	37.50% (2 Applications)	37.50% (2 Applications)			
4. System Implementation	2 Systems implemented					
5. System Maintenance	5 Systems maintained	1.25% (5 Systems)	1.25% (5 Systems)			
6. Database Maintenance	2 database maintained	18.50% (2 Database)	18.50% (2 Database)			

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