

CY 2021 EXTERNAL ACCOMPLISHMENT REPORT
Mines and Geosciences Bureau
September 30, 2021

FO-PPIAD-09

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS	
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual		
A.01 - GENERAL ADMINISTRATION AND SUPPORT SERVICES											
A.01.a	General Management and Supervision										
1	Administrative	Program Implementation Report (no.)	1	9	12	1	9	100%	100%	75%	
2	Financial Management Services	Program Implementation Report (no.)	1	9	12	1	9	100%	100%	75%	
A.01.b	Human Resource Development										
1	Human Resource Development Service										
	a. Program Monitoring and Evaluation	Program Implementation Report (no.)	1	9	12	1	9	100%	100%	75%	
	b. Training and Career Development Program	Learning Events conducted (no.)	0	6	7	1	7		117%	100%	1 Prime HRM Focus Group Discussion & Workshop 2 Administrative Workshop 3 Basic Occupational Safety and Health Training 4 Training on Behavioral Event Interview 5 Basic Excel Online Training 6 Effective Business Writing Training 7 Cascading MGB Guidelines and DENR Monitoring and Evaluation
	c. Local Scholarship Program	Scholars monitored and managed (no.)	10	10	10	1	1	10%	10%	10%	- One (1) application is currently pending for approval.
A.02 - SUPPORT TO OPERATIONS											
A.02.a	Planning and Policy Formulation										
1	Prepare/review/update/revise/monitor and evaluate Short-Term to Long-Term plans for MRGS programs/projects	Plans prepared(no.)	0	2	3	1	2		100%	67%	
		Program implemented/monitored (no.)	1	9	12	1	10	100%	111%	83%	
2	Formulate, review/revise, develop and implement mineral policies and guidelines	Policies/Guidelines reviewed/endorsed to DENR (no.)	1	8	8	3	11	300%	138%	138%	1 Clarificatory Guidelines on the Grounds for Revision of the Environmental Protection and Enhancement Program/Final Mine Rehabilitation/Decommissioning Plan (FMRDP) 2 Expanding the Coverage of Project Implementation under Section III of Environmental Management Bureau (EMB) Memorandum Circular (MC) No. 2020-31 3 An Act on Promoting the Development of Minerals Processing and Value-Adding (Draft Bill) 4 Implementing Rules and Regulations of Executive Order No. 130 5 Proposed Guidelines on the Qualifications of MEPEOs 6 Proposed Extension on the Effectivity Provision of DAO 2019-19 or the Guidelines on the Disposition of Residual Stockpiles 7 Clarificatory Guidelines on EPEP validity 8 Guidelines for the Automatic Renewal of the Exploration Permit/Period and the Timely Filing of DMPF under the EP, MPSA, FTAA, and Similar Mining Tenements (released and signed as DAO 2021-12)

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3	Coordinate with National and International Linkages	Linkages with NGAs/LGUs/stakeholders/International Organizations coordinated/participated (no.)	15	29	34	18	75	120%	259%	221%	9 Draft DAO re: Guidelines on Establishing Enhanced Design Parameters and Criteria for the Types of Surface Mining Methods to be Implemented under Declaration of Mining Project Feasibility 10 Draft DAO re: Harmonizing the Mining Operations of an Operator Under a Mining Tenement 11 Draft DAO re: Lifting of the Ban on the Open Pit Method of Mining for Copper, Gold, Silver and Complex Ores in the Country Under DENR Administrative Order No. 2017-10
		Decision/Resolution/Order Issued (no)	2	4	6	0	1	0%	25%	17%	- Pending Confiscation Appeal under review - No mining-related complaint for investigation was referred to Legal Services Division covering January to September
4	Conduct investigation, provide legal assistance and resolve mine related cases	ENR-Related Complaints Investigated (no.)	0	1	2	0	0		0%	0%	
		Mineral Economics, Information and Publication									
1	Conduct Awareness and Advocacy on Mineral Resources and Geosciences Development (MRGD)	IEC conducted/organized/participated (no.)	1	11	14	3	20	300%	182%	143%	
		Press releases/ conferences/ media interviews conducted (no.)	1	5	6	1	14	100%	280%	233%	
		Training/workshop/seminar conducted/attended/organized/coordinated (no.)	3	27	45	16	111	533%	411%	247%	
2	Generate Mineral Economics information/Publish and disseminate IEC materials	Statistics reports generated/ monitored/ validated (no.)	2	11	13	2	11	100%	100%	85%	
		Strategic Mineral Information Systems managed/developed/maintained (no.)	8	8	8	8	8	100%	100%	100%	
		Information materials generated/published/disseminated (no.)	521	4,648	6,212	520	5,178	100%	111%	83%	- 500 copies of Primer on MGB Profile - 500 copies of Primer on FTAA - 500 copies of Gold Commodity Profile; 20 Info kits - 500 copies of Nickel Commodity Profile; 20 Info kits - 500 copies of Silver Commodity Profile; 20 Info kits; 1 Short Video on the Uses/Importance of Minerals - 500 copies of Information Materials (Digital Copy) provided to the participants of the "Stakeholder's Forum on Understanding Recent Policy Issuances relating to mining"; 1 Mineral Gazette; 1 Mining Facts & Figures updated; 3 Commodity profiles updated (Nickel, Copper and Limestone); 25 Info kits - 500 copies of Primer on Small Scale Mining Act; 25 Info kits - 500 copies of Primer on Quickfacts about Mining; 20 Info kits - 500 copies of Primer on Quickfacts about Mining; 20 Info kits
1	Research Studies on Mineral Resources and Geosciences Development (MRGD) Programs	Research/studies conducted (no.)	7	7	9	7	7	100%	100%	78%	1 Recovery of Nickel, Cobalt, Iron and Rare Earth Elements from Low Grade Philippine Laterite Ores using Atmospheric Leaching with Reduction Pre-treatment 2 Extraction of Vanadium from Iron Sand Deposits 3 Technical Study on the use Synthesized Laterite Iron Sand as Feeds Material Shaft Furnace Iron Making Technology 4 Recovery of Scandium from Laterite-based Pig Iron Slag by Dry Digestion and Precipitation Methods 5 Research on the Cenozoic Stratigraphy of the Philippines 6 Ground and Sediment Control in Nickel Mining Operations 7 Application of Remote Sensing on Disturbed areas in Operating Surface Mines

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A.03 - OPERATIONS										
001: NATURAL RESOURCES SUSTAINABLY MANAGED - PROGRAM 1: MINERAL RESOURCES ENFORCEMENT AND REGULATORY PROGRAM										
OUTCOME INDICATOR 1										
	Percentage increase in the revenues of government from mineral resources development			10%						
OUTCOME INDICATOR 2										
	Percentage of monitored mining permits/contracts complying with laws, rules and regulations			75%						
OUTPUT INDICATOR 1										
	Mining applications (including other mining rights related applications) approved/denied/endorsed within the prescribed period	422	3,084	3,646	528	3,771	125%	122%	103%	
OUTPUT INDICATOR 2										
	Number of mining permits/contracts monitored	76	938	1,030	59	996	78%	106%	97%	
Program 1	Mineral Resources Enforcement and Regulatory Program									
1	Mineral Investment Promotion Program									
	Issuance of mining permits/contracts (including in areas within mineral reservations) and other related permits	422	3,084	3,646	530	3,833	126%	124%	105%	
	a. Agreements/contracts/permits (FTAA/MPSA/EP/ISAGP/SSMP/MPP)	13	43	75	5	48	38%	112%	64%	
	b. Ore Transport Permit (OTP)/Certification	300	2,191	2,588	356	2,709	119%	124%	105%	
	c. Declaration of Mining Project Feasibility (DMPF) acted upon (no.)	1	3	4	0	2	0%	67%	50%	
	d. Other mining related permits	108	847	979	169	1,074	156%	127%	110%	
	Use It or Lose It Policy									
	Mining Applications with Final Action (no.)	25	103	156	12	124	48%	120%	79%	
	Development of Small-Scale Mining - Assistance to Provincial/City Mining Regulatory Board (P/CMRB)/LGUs/Other Stakeholders									
	Inventory of Peoples Small-Scale Mining (PSSM)/Minahang Bayan(MB) Areas, and Quarry/Sand and Gravel (SAG)/Small-Scale Mining (SSM) Sites (no.)	13	72	89	11	73	85%	101%	82%	
	Proposed Minahang Bayan sites endorsed to DENR through MGBCO (no.)	1	1	16	2	8	200%	800%	50%	
	Declared Minahang Bayan Sites Monitored (no.)	6	30	35	4	32	67%	107%	91%	
	P/CMRBs maintained/operationalized/reconstituted (no.)	88	88	88	87	87	99%	99%	99%	
2	Mining Industry Development Program									
	Monitoring/Audit of Mining Permits/Contracts/Leases/ Claims/JOAs (including those within Mineral Reservations) as to compliance with the Terms and Conditions/Requirements and implementation of approved Work Program/Safety, Health, Environmental and Social Development Programs									
	Mining Rights monitored (no.) as to compliance with:									
	a. Work Program/Terms and Conditions/Requirements	38	469	515	26	494	68%	105%	96%	
	b. Safety, Health, Environment and Social Development (SHES) Programs	38	469	515	33	502	87%	107%	97%	
	Mining Rights audited (no.) as to compliance with:									
	a. Regional Office system audited for WP (no.)	2	15	15	3	12	150%	80%	80%	

Region MIMAROPA: PMRB Marinduque is currently not operational in view of the temporary take-over of the Provincial Government of Marinduque over the commercial sand and gravel activities (Reso. 32, s. 2019)

- 1 MGB Regional Office XII
- 2 MGB Regional Office VII
- 3 MGB Regional Office IV - CALABARZON
- 4 MGB Regional Office III
- 5 MGB RO No. II
- 6 MGB RO No. VI
- 7 MGB RO No. XIII

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3	Mine Rehabilitation Program	MPP Compliance audited (no.)	0	12	20	0	12		100%	60%	- Delay in the conduct of 2021 WP Audit due to the conduct of Workshop on the Results of the CY 2020 Audit of Regional Monitoring System, and Other Related Matters on April 19-23, 2021 and taking into consideration of the movement of personnel in the Mining Tenement Audit Section this Semester of 2021.			
		b. Regional Office system audited for SHES (no.)	0	15	15	3	15		100%	100%	1 MGB Regional Office II 2 MGB Regional Office XII 3 MGB Regional Office I 4 MGB Regional Office IV - CALABARZON 5 MGB Regional Office IX 6 MGB Regional Office VI 7 MGB Regional Office VII 8 MGB Regional Office III 9 MGB Regional Office CAR 10 MGB Regional Office MIMAROPA 11 MGB Regional Office V 12 MGB Regional Office XIII 13 MGB Region VIII 14 MGB Region XI 15 MGB Region X			
		a. Palawan Quicksilver Mines, Inc. (PQMI)	Project Monitoring and Supervision Conducted (no.)	1	2	3	1	2	100%	100%	67%	- First monitoring was conducted on February 17, 2021. Schedule for next travel in the project site will be on October and/or November. Supervision and monitoring meeting with MGB for 3rdQ was rescheduled in October 2021		
			Studies conducted (no.)	3	3	3	3	3	100%	100%	100%	- Annual Target from 4 to 3. Previous Target for the ERDB project was based on the WFP submitted by the ERDB on March 4, 2021. However, due to insufficient funds released by the DBM for the said project, ERDB was requested to submit a new 2021 WFP.		
		b. Other Abandoned/Inactive/Closed Mines	Other Abandoned Mines monitored (no.)	1	9	10	0	6	0%	67%	60%	- Barlo Mines, Inc.		
		c. Marcopper	Monitoring reports submitted to MGBCO (no.)	1	3	4	0	0	0%	0%	0%			
		4	Resolution of Complaints/Cases/Conflicts	a. Complaints/cases/conflicts investigated/resolved	MGB	23	125	155	26	157	113%	126%	101%	
				Panel of Arbitrators Decided (no.)	4	7	17	2	4	50%	57%	24%		
				Panel of Arbitrators Resolved (no.)	2	4	17	3	7	150%	175%	41%		
				Mines Adjudication Board Cases deliberated (no.)	3	9	12	2	21	67%	233%	175%	1 MAB Case No. 0210-19 Carolina A. Francisco vs. MCG Aggregates and Crushing Plant 2 MAB Case No. 0116-00 Valley Mining and Dev.Corp. vs. Camarin Mining Corp. 3 MAB Case No. 0166-08 Provident Tree Farms Inc. vs. Makilala Mining Corp. 4 MAB Case No. 0154-07 San Juanico Resources Corp. vs. Heirs of Pabilona Jr. 5 MAB Case No. 0202-16 Long Fong vs. Severino Discartin and dolansol dolan dolan	

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										6 MAB Case No. 0211-19 Rogelio V. Llonillo vs. Central Cement Corp. 7 MAB Case No. 0199-15 Nationwide Dev. Corp. vs. Lionshare Dev. Corp. 8 MAB Case No. 0174-08 Mt. Franz Mining Corp. vs. Balatoc Resources Exploration Corp. 9 MAB Case No. 0200-15 Picop Resources Inc. vs. Monkayo Consolidated Mining Corp. 10 MAB Case No. 0203-16 Picop Resources vs. Alberto Mining Corp. 11 MAB Case No. 0204-16 Picop Resources Inc. vs. Pensons Mining Corp. 12 MAB Case No. 0208-18 Picop Resources Inc. vs. Mina Del Oriente Inc. 13 MAB Case No. 0209-19 Picop Resources Inc. vs. Boston Tribal Multi-purpose Cooperative 14 MAB Case No. 0149-06 (formerly DENR Case No. IV-2005-04) Aspen Commercial Corporation, represented by Enrico L. Borja and Manuel D. Tanqlao VS. Raul D. Navarro 15 MAB Case Nos. 0188-11 Green Valley Company vs. Earthmovers Mining Corporation 16 MAB Case No. 189-11 CAMALCA Mining Company vs. EARTHMOVERS Mining Corporation 17 MAB Case No. 0206-16 (formerly MAC case No.-VI-16-2011) Maricalum Mining Corporation vs. Philex Mining Corporation and Sta. Barbara Development Corporation 18 MAB case No. 0173-08 (formerly MGB-CAR Case No. 07-08) Philippine Mining Development Corporation (PMDC) vs. Balatoc Resources Exploration Corporation 19 MAB case No. 0187-11 (formerly MGB-CAR Case No. 10-03) Olpaten Resources Corporation, vs. Pacific Metals Canada Phil., Inc.
	Mines Adjudication Board Cases decided-Original Appeal (no.)	1	9	12	0	12	0%	133%	100%	1 MAB Case No. 0210-19 Carolina A. Francisco vs. MCG Aggregates and Crushing Plant 2 MAB Case No. 0116-00 Valley Mining and Dev. Corp. vs. Camarin Mining Corp. 3 MAB Case No. 0166-08 Provident Tree Farms Inc. vs. Makilala Mining Corp. 4 MAB Case No. 0154-07 San Juanico Resources Corp. vs. Heirs of Pabilona Jr. 5 MAB Case No. 0202-16 Long Fong vs. Severino Discartin and dolanson dolan dolan 6 MAB Case No. 0211-19 Rogelio V. Llonillo vs. Central Cement Corp. 7 MAB Case No. 0174-08 Mt. Franz Mining Corp. vs. Balatoc Resources Exploration Corp. 8 MAB Case No. 0178-09_Cesar Ventura, represented by Alice Ventura vs. Romulo D. Aquinaldo 9 MAB Case No. 0175-09_Asia Pacific Basin and Mining Corp., and Facets Minerals, Inc. vs. Balatoc Resources Exploration Corp. 10 MAB Case No. 0115-00_Yolanda Vidal-Laurel vs. VTN-Agno River Gold Mining, Inc., and Precious Metals Mining and Development Corporation 11 MAB Case No. 0185-10_La Concepcion Development Corporation, represented by Engr. Pedro M. Robles vs. Compania Minera Del Grande, Inc. 12 MAB Case No. 043-97_Benguet Corporation vs. Marsman and Company, Inc.

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		Mines Adjudication Board Case Resolved - Motions (no.)	0	3	3	0	2		67%	67%	1 MAB Case No. 0171-08 Holcim vs. Neutron
	b. Assistance to PENRO/CENRO by embedded personnel	Preliminary Investigation conducted with report submitted to RD (no.)	24	142	186	19	171	79%	120%	92%	2 MAB Case No. 0164-08_Suncorp Mines and Development Corporation vs. Bethlehem Nickel Corporation
	c. Anti-Illegal Mining Campaign	Cease and Desist Orders issued/implemented (no.)	11	44	59	10	110	91%	250%	186%	- Remaining Motion for Resolution of Mr. Bagarino - MAB Case No. 052-97; Letter-Reply prepared for finalization
		Charges filed with the Provincial/City Prosecutors Office (no.)	3	6	29	3	13	100%	217%	45%	
001: NATURAL RESOURCES SUSTAINABLY MANAGED - PROGRAM 2: MINERAL RESOURCES AND GEOSCIENCES DEVELOPMENT PROGRAM											
OUTCOME INDICATOR 1											
	Number of LGUs informed of the geology and mineral potential				12					0%	
OUTPUT INDICATOR 1											
	Percentage of Total Philippine area surveyed for geology and mineral potential		0.00%	6.00%	6.40%	0.90%	5.80%		97%	91%	
OUTPUT INDICATOR 2											
	Number of new mineral reservation areas assessed/endorsed for declaration		3	4	7	2	3	67%	75%	43%	
Program 2	Mineral Resources and Geosciences Development										
1	Communication Plan For Mineral Resources and Geoscience Development										
	Conduct of Awareness and Advocacy on Mineral Resources and Geosciences Development (MRGD)	LGUs and other stakeholders forum conducted (no.)	0	15	16	1	28		187%	175%	
		Radio/TV Guestings (no.)	1	20	30	1	49	100%	245%	163%	
		Press Releases/Photo Releases/Feature Stories (no.)	30	270	360	30	293	100%	109%	81%	
	Generate/Publish/Disseminate Information, Education and Communication (IEC) Materials	Website and Social Media (Facebook/Youtube/Twitter/Instagram) maintained/monitored (no.)	30	30	30	31	31	103%	103%	103%	
		IEC materials/collaterals (caps, t-shirts, masks, etc.) produced/reproduced/distributed (including climate change) (no.)	1,350	6,600	7,500	1,676	8,100	124%	123%	108%	
		Statistics Reports submitted to MGBCO (no.)	0	390	495	0	393		101%	79%	
	Capacity Building Program on MRGD Laws, Rules and Regulations	Trainings conducted/coordinated/participated on (no.)									
		a. For LGUs and other stakeholders (NGAs, CSOs, etc.)	2	17	18	0	28	0%	165%	156%	
		b. For Small-Scale Miners	5	25	29	3	21	60%	84%	72%	
	National and International Linkages	Linkages coordinated (no.)	15	135	180	34	135	227%	100%	75%	
2	National Mineral Reservation Program										
	Upgrading and Development of Existing Mineral Reservation Areas	Existing Mineral Reservation areas monitored and upgraded (no.)	1	2	8	1	3	100%	150%	38%	- Parcel 2 of Zambales Chromite Mineral Reservation
											- Diwalwal Mineral Reservation
											- Siruma White Clay in Camarines Sur
	Establishment of New Mineral Reservations	New mineral reservation areas assessed/endorsed for declaration (no.)	3	4	7	2	3	67%	75%	43%	- Assessment in the Proposed Mineral Reservation in the Municipalities of San Remigio, Sibalom, Belison, Patngongon, Valderrama in the Province of Antique
											- Tagkawayan, Quezon
											- Block 1 Parcel 3 Misamis Oriental

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3	Research and Development/Special Projects	Areas assessed and studied for REE (no.)	2	4	5	1	3	50%	75%	60%	- Exploration for Rare Earth Elements in Parcel 2 of Zambales Chromite Mineral Reservation in Candelaria, Zambales - Exploration for Rare Earth Elements in Davao Oriental - Exploration for Rare Earth Elements in Talifugo, Conner, Apayao
	Geologic Mapping	Major river systems assessed (line km.)	15	80	125	40	146	267%	183%	117%	
	Geological Mapping and Surveys - Quadrangle Mapping	Capacity Building	0	1	2	0	3		300%	150%	
		Quadrangles assessed/surveyed (no.)	0	60	64	9	58		97%	91%	1 Lubuagan (3272-III) 2 Jaguimitan (4243-IV) 3 Lambunao (3453-II) 4 San Francisco (4050-III) 5 Madalang Point (3545-II) 6 Compostela (4243-III) 7 Kraan (3838-II) 8 Bolo-bolo (4048-II) 9 Bayawan (3548-III) 10 Catbalogan (3955-II) 11 Mandih (3644-IV) 12 Tampolo (3944-III) 13 Basiawan (4139-IV) 14 Malita (4139-III) 15 Kraan River (3838-I) 16 Carrascal (4148-II) 17 Madrid (4147-I) 18 Kabugao (3274-III) 19 Karagawan (3273-IV) 20 Canipan (2445-I) 21 Tarusan (2545-IV) 22 Molave (3644-II) 23 Mt. Katanglad (3944-II) 24 Padada (4039-I) 25 Lebe (3938-III) 26 Lapigue (3471-III) 27 Lukban Point (3470-II) 28 Mount Rocky (3469-I) 29 Mt. Abriringan (3474-I) 30 Patunungan Bay (3475-II) 31 Hilangos (3951-III) 32 Manat (4242-IV) 33 Kling (3937-IV) 34 Prosperidad (4145-I) 35 Tawit (3274-II) 36 Sipa (3274-I) 37 Libacao (3454-II) 38 Kalibo (3455-III) 39 Aurora (3743-IV) 40 Dumalaguing (4045-III) 41 Cateel (4243-II) 42 Dadiangas (4038-III) 43 Bangar (3070-I) 44 Barahan (3159-II)

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4	Provision of Laboratory Services	Advance Exploration area assessed (no.)	0	1	1	0	0		0%	0%	45 Nagbalaje Quad (3547-I) 46 Plaridel Quad(3951-I) 47 Batiano Quad (4242-I) 48 Malapatan Quad(4037-I) 49 Cabadbaran Quad (4147 III) 50 Bobon (3957-IV) 51 Catarman (3957-III) 52 Pambujan (3957-I) 53 Genolgan (3957-II) 54 Calbayog (3956-III) 55 Malajog (3856-II) 56 Lope de Vega (3956-IV) 57 Batangan (3474-IV) 58 Hinatuan (4245-II) - <u>Region 6</u> : Fieldwork was put on hold because of confirmed COVID-19 cases in the MGB - Geosciences Division. - <u>Region 13</u> : Peace and Order situation problem in Malimono, Surigao del Norte leads to postponement of scheduled geologic quadrangle mapping in Malimono Quadrangle. - <u>Central Office</u> : The target was rescheduled to prioritize the urgent requests for Mineral Resource Validation, as part of the requirements for the Declaration of Mining Project Feasibility.	
		Existing 1:50,000 scale geologic maps upgraded (no.)	10	107	139	11	108	110%	101%	78%		
		Samples analyzed (no.)	641	5,487	7,268	1,193	9,508	186%	173%	131%		
		Determinations made (no.)	50,078	442,360	587,360	58,424	600,021	117%	136%	102%		
		Metallurgical Test conducted (no.)	210	1,890	2,600	251	3,938	120%	208%	151%		
		Mineral Resource Inventory	Provincial Resource Maps updated and submitted to MGBCO (no.)	0	1	15	0	1		100%		7%
		Offshore Exploration	Geophysical and Geological assessment (no.)	1	2	2	0	1	0%	50%		50%
003: ADAPTIVE CAPACITIES OF HUMAN COMMUNITIES AND NATURAL SYSTEMS IMPROVED - PROGRAM 1: GEOLOGICAL RISK REDUCTION AND RESILIENCY PROGRAM												
OUTCOME INDICATOR 1:												
	Percentage of LGUs that included geohazard information in their Disaster Risk Reduction and Mitigation Plan, Comprehensive Land Use Plan, and/or Development Plans			50%						0%		
OUTCOME INDICATOR 1:												
	Number of cities and municipalities where vulnerability and risk assessment was conducted	3	71	80	8	76	267%	107%	95%			
OUTCOME INDICATOR 2:												
	Number of LGUs (cities/municipalities) provided with information, education and communication campaigns on geohazards	20	69	90	15	66	75%	96%	73%			
OUTCOME INDICATOR 3:												
	Number of LGUs assessed for groundwater resources and vulnerability	7	48	50	5	46	71%	96%	92%			

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Program 1 1 Geological Assessment for Risk Reduction and Resiliency Program (Geoscience Development Services) Geohazard Assessment - Identification and Mapping of Geohazards for Critical Land Areas Land Geological Assessment Field Mapping and Survey a. Vulnerability and Risk Assessment (VRA)	LGUs (cities/municipalities) assessed (no.)	3	71	80	8	76	267%	107%	95%	1 Boliney, Abra 2 Abucay, Bataan 3 Rodriguez, Rizal 4 Magdiwang, Romblon 5 Cajidiocan, Romblon 6 San Fernando, Romblon 7 Gigmoto, Catanduanes 8 Bagamanoc, Catanduanes 9 Malabuyoc, Cebu 10 Sergio Osmeña Sr., Zamboanga del Norte 11 Kadingilan, Bukidnon 12 Pugo, La Union 13 Buguey, Cagayan 14 Victoria, Tarlac 15 Balete, Batangas 16 Alitagtag, Batangas 17 Camalig, Albay 18 Malinao, Albay 19 Bingawan, Iloilo 20 Balangkayan, Eastern Samar 21 Santa Monica, Surigao del Norte 22 Aliaga, Nueva Ecija 23 Samboan, Cebu 24 Llorente, Eastern Samar 25 Aurora, Zamboanga del Sur 26 Kitaotao, Bukidnon 27 Libjo, Dinagat Island 28 Tubajon, Dinagat Island 29 Barlig, Mountain Province 30 Labrador, Pangasinan 31 Sual, Pangasinan 32 Zaragoza, Nueva Ecija 33 Santa Teresita, Batangas 34 Dolores, Quezon 35 Lambunao, Iloilo 36 Guindulman, Bohol 37 Ramon Magsaysay, Zamboanga del Sur 38 Kadingilan, Bukidnon 39 Cagdianao, Dinagat Islands 40 Taguig City, Metro Manila 41 Mandaluyong City, Metro Manila 42 San Juan City, Metro Manila 43 Tuba, Benguet 44 Tubao, La Union 45 Gattaran, Cagayan 46 Alcala, Cagayan

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS	
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual		
b. Updating of 1:10,000 scale Geohazard Maps	LGUs (cities/municipalities) assessed (no.)	3	71	80	8	76	267%	107%	95%	47 Peñaranda, Nueva Ecija 48 El Nido, Palawan 49 Linapacan, Palawan 50 Ivisan, Capiz 51 Ajuy, Iloilo 52 Calinog, Iloilo 53 Hernani, Eastern Samar 54 Burgos, Surigao del Norte 55 Aringay, La Union 56 General Tinio, Nueva Ecija 57 Balatan, Camarines Sur 58 Minalabac, Camarines Sur 59 San Pablo, Zamboanga del Sur 60 Quezon City, Metro Manila 61 Pasig City, Metro Manila 62 Luba, Abra 63 Santa Barbara, Pangasinan 64 Santa Teresita, Cagayan 65 Doña Remedios Trinidad, Bulacan 66 Tayasan, Negros Oriental 67 General MacArthur, Eastern Samar 68 Balingasag, Misamis Oriental 69 Makati City, Metro Manila 70 Parañaque City, Metro Manila 71 Llanera, Nueva Ecija 72 San Pascual, Batangas 73 San Jose, Batangas 74 Ibaan, Batangas 75 Ayungon, Negros Oriental 76 Malangas, Zamboanga Sibugay	
	c. Karst Subsidence Hazard Mapping and Assessment (Ground Subsidence Assessment)	LGUs (cities/municipalities) assessed (no.)	1	14	18	5	15	500%	107%	83%	1 Dasol, Pangasinan 2 General Tinio, Nueva Ecija 3 San Isidro, Davao del Norte 4 San Jose, Occidental Mindoro 5 Maydolong, Eastern Samar 6 General Santos City, South Cotabato 7 Moalboal, Cebu 8 Alabel, Sarangani 9 Burgos, Surigao del Norte 10 Lamut, Ifugao 11 Asipulo, Ifugao 12 Gonzaga, Cagayan 13 Dalaguete, Cebu 14 Salug, Zamboanga del Norte
	Conduct of IEC to LGUs (Intensive IEC Campaign on geohazard and VRA)	Seminars/Workshops conducted (no.)	20	69	90	15	66	75%	96%	73%	1 Carmona, Cavite 2 San Pedro, Laguna 3 Santa Rosa, Laguna 4 Malay, Aklan 5 Nabas, Aklan 6 Kawayan, Biliran 7 Almeria, Biliran 8 Lubuagan, Kalinga

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual	
										9 Pasil, Kalinga 10 Binalonan, Pangasinan 11 Peñablanca, Cagayan 12 Tuao, Cagayan 13 Allacapan, Cagayan 14 Lasam, Cagayan 15 Concepcion, Iloilo 16 Cabucgayan, Biliran 17 Biliran, Biliran 18 Caibiran, Biliran 19 Tabina, Zamboanga del Sur; 20 Dimataling, Zamboanga del Sur; 21 Vincenzo A. Sagun, Zamboanga del Sur 22 Baganga, Davao Oriental 23 Monkayo, Davao de Oro 24 Laak, Davao de Oro 25 Pantukan, Davao de Oro 26 Maragusan, Davao de Oro 27 Burgos, Pangasinan 28 Calatrava, Romblon 29 Alcantara, Romblon 30 San Agustin, Romblon 31 Aroroy, Masbate 32 Milagros, Masbate 33 San Andres, Catanduanes 34 San Miguel, Catanduanes 35 Capalonga, Camarines Norte 36 Sta. Elena, Camarines Norte 37 Carles, Iloilo 38 Sara, Iloilo 39 Bayog, Zamboanga del Sur 40 Buug, Zamboanga Sibugay 41 Plaridel, Misamis Occidental 42 Sabangan, Mountain Province 43 Calanasan, Apayao 44 Tinglayan, Kalinga 45 Calasiao, Pangasinan 46 Masinloc, Zambales 47 Candelaria, Zambales 48 Santa Cruz, Zambales 49 Palauig, Zambales 50 Alcala, Pangasinan 51 Dinalupihan, Bataan 52 Malabon City, Metro Manila 53 Navotas City, Metro Manila 54 Valenzuela City, Metro Manila 55 Pateros, Metro Manila 56 Las Piñas City, Metro Manila 57 Muntinlupa City, Metro Manila 58 Sierra Bullones, Bohol 59 Loon, Bohol 60 Batuan, Bohol 61 Kidapawan City, Cotabato 62 Arakan, Cotabato 63 Tulunan, Cotabato 64 Mlang, Cotabato

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS	
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual		
2	Capacity Building on Geosciences	Training/seminars conducted for/ attended by MGB technical personnel (no.)	8	51	81	12	92	150%	180%	114%	65 Cagwait, Surigao Del Sur 66 Cortes, Surigao Del Sur - <u>Central Office</u> : Prioritized the six (6) Metro Manila cities/municipality first considering internet stability in nine (9) areas outside NCR. It was deemed that a face-to-face IEC is more suitable and effective in attaining the goals of the said activity but the restrictions emplaced for CoVID-19 since 2020 has hindered physical gatherings of more than 10 persons. The IEC for the nine LGUs outside Metro Manila was moved to 4th Qtr once the IEC team members are fully vaccinated to ensure safety not only of the MGB personnel to be deployed but also the participants.
	Geohazards Operation Center	Geohazards Operation Center Maintained (no.)	15	15	15	15	15	100%	100%	100%	
	Printing of 1:10,000 scale maps	Geohazard maps printed (no.)	0	0	6,325	324	1,204			19%	
		Geospatial maps maintained (no.)	10,737	10,737	10,737	10,737	10,737	100%	100%	100%	
	Coastal Vulnerability Assessment and Impact of Climate Change										
Monitoring of Coastal Municipalities/Cities on accretion and erosion	Coastal Municipal LGUs (Cities/Municipalities) monitored (no.)	0	12	20	7	27		225%	135%	1 Jose Dalman, Zamboanga Del Norte 2 Manukan, Zamboanga del Norte 3 Bantayan, Cebu 4 Madridejos, Cebu 5 Santa Cruz, Davao Del Sur 6 Capalonga, Camarines Norte 7 Jose Panganiban, Camarines Norte 8 Mercedes, Camarines Norte 9 Paracale, Camarines Norte 10 Daet, Camarines Norte 11 Vinzons, Camarines Norte 12 Talisay, Camarines Norte 13 Del Gallego, Camarines Sur 14 Ragay, Camarines Sur 15 Balatan, Camarines Sur 16 Sipocot, Camarines Sur 17 Pasacao, Camarines Sur 18 Libmanan Camarines Sur 19 Sariaya, Quezon 20 Lucena City, Quezon 21 Padre Burgos, Quezon	
3	Groundwater Resource and Vulnerability Assessment										
	Groundwater Resource Assessment	LGUs (cities/municipalities) assessed (no.)	7	48	50	5	46	71%	96%	92%	1 Lubuagan, Kalinga 2 Castillejos, Zambales 3 Nagcarlan, Laguna 4 Medina, Misamis Oriental 5 Digos City, Davao del Sur 6 San Marcelino, Zambales 7 Malabuyoc, Cebu 8 Tabango, Leyte 9 Diplahan, Zamboanga Sibugay 10 Talisayan, Misamis Oriental

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual	
										11 Lake Sebu, South Cotabato 12 San Fernando City, La Union 13 Rizal, Kalinga 14 San Antonio, Zambales 15 Aroroy, Masbate 16 Padada, Davao Del Sur 17 Santa Cruz, Laguna 18 Baleno, Masbate 19 Alegria, Cebu 20 Villaba, Leyte 21 Buug, Zamboanga Sibugay 22 Santa Cruz, Davao del Sur 23 Claver, Surigao del Norte 24 San Juan, La Union 25 Pila, Laguna 26 Abra De Ilog, Occidental Mindoro 27 Mamburao, Occidental Mindoro 28 Dumangas, Iloilo 29 Balingoan, Misamis Oriental 30 Surallah, South Cotabato 31 Tabuk City, Kalinga 32 Ginatilan, Cebu 33 Matag-ob, Leyte 34 Ipiil, Zamboanga Sibugay 35 Gigaquit, Surigao del Norte 36 Bagulin, La Union 37 Santa Cruz, Occidental Mindoro 38 Paluan, Occidental Mindoro 39 Mandaon, Masbate 40 Santo Niño, South Cotabato 41 Narvacan, Ilocos Sur 42 Sta. Maria, Ilocos Sur 43 San Esteban, Ilocos Sur 44 Peñablanca, Cagayan 45 Bacuag, Surigao del Norte - <u>Region 2</u> : Fieldwork rescheduled on October 2021 due to Covid-19 travel restriction imposed in the Municipality. - <u>Region 6</u> : Fieldwork was put on hold because of confirmed COVID-19 cases in the MGB - Geosciences Division. - <u>Central Office</u> : The deferral was due to the exposure of Technical staff to Covid-19 confirmed cases for two succeeding incidents, which require them to undergo a total of three weeks of quarantine. The Municipality of La Union originally scheduled for September was moved to October.

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OIC, Planning, Policy and International Affairs Division

Approved by:

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ATTY. WILFREDO G. MONCANO
 Director

CY 2021 EXTERNAL ACCOMPLISHMENT REPORT
Mines and Geosciences Bureau - Central Office
September 30, 2021

FO-PPIAD-09A

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS	
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual		
A.01 - GENERAL ADMINISTRATION AND SUPPORT SERVICES											
A.01.a	General Management and Supervision										
1	Administrative	Program Implementation Report (no.)	1	9	12	1	9	100%	100%	75%	
2	Financial Management Services	Program Implementation Report (no.)	1	9	12	1	9	100%	100%	75%	
A.01.b	Human Resource Development										
1	Human Resource Development Service										
	a. Program Monitoring and Evaluation	Program Implementation Report (no.)	1	9	12	1	9	100%	100%	75%	
	b. Training and Career Development Program	Learning Events conducted (no.)	0	6	7	1	7		117%	100%	1 Prime HRM Focus Group Discussion & Workshop 2 Administrative Workshop 3 Basic Occupational Safety and Health Training 4 Training on Behavioral Event Interview 5 Basic Excel Online Training 6 Effective Business Writing Training 7 Cascading MGB Guidelines and DENR Monitoring and Evaluation
	c. Local Scholarship Program	Scholars monitored and managed (no.)	10	10	10	1	1	10%	10%	10%	- One (1) application is currently pending for approval.
A.02 - SUPPORT TO OPERATIONS											
A.02.a	Planning and Policy Formulation										
1	Prepare/review/update/revise/monitor and evaluate Short-Term to Long-Term plans for MRGS programs/projects	Plans prepared(no.)	0	2	3	1	2		100%	67%	
		Program implemented/monitored (no.)	1	9	12	1	10	100%	111%	83%	
2	Formulate, review/revise, develop and implement mineral policies and guidelines	Policies/Guidelines reviewed/endorsed to DENR (no.)	1	8	8	3	11	300%	138%	138%	1 Clarificatory Guidelines on the Grounds for Revision of the Environmental Protection and Enhancement Program/Final Mine Rehabilitation/Decommissioning Plan (FMRDP) 2 Expanding the Coverage of Project Implementation under Section III of Environmental Management Bureau (EMB) Memorandum Circular (MC) No. 2020-31 3 An Act on Promoting the Development of Minerals Processing and Value-Adding (Draft Bill) 4 Implementing Rules and Regulations of Executive Order No. 130 5 Proposed Guidelines on the Qualifications of MEPEOs 6 Proposed Extension on the Effectivity Provision of DAO 2019-19 or the Guidelines on the Disposition of Residual Stockpiles 7 Clarificatory Guidelines on EPEP validity 8 Guidelines for the Automatic Renewal of the Exploration Permit/Period and the Timely Filing of DMPF under the EP, MPSA, FTAA, and Similar Mining Tenements (released and signed as DAO 2021-12)

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS			
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual				
3	Coordinate with National and International Linkages	Linkages with NGAs/LGUs/stakeholders/International Organizations coordinated/participated (no.)	15	29	34	18	75	120%	259%	221%	9 Draft DAO re: Guidelines on Establishing Enhanced Design Parameters and Criteria for the Types of Surface Mining Methods to be Implemented under Declaration of Mining Project Feasibility 10 Draft DAO re: Harmonizing the Mining Operations of an Operator Under a Mining Tenement 11 Draft DAO re: Lifting of the Ban on the Open Pit Method of Mining for Copper, Gold, Silver and Complex Ores in the Country Under DENR Administrative Order No. 2017-10		
			4	Conduct investigation, provide legal assistance and resolve mine related cases	Decision/Resolution/Order Issued (no.)	2	4	6	0	1	0%	25%	17%
A.02.b	Mineral Economics, Information and Publication	1	Conduct Awareness and Advocacy on Mineral Resources and Geosciences Development (MRGD)	ENR-Related Complaints Investigated (no.)	0	1	2	0	0	0%	0%		
				IEC conducted/organized/participated (no.)	1	11	14	3	20	300%	182%	143%	
2	Generate Mineral Economics information/Publish and disseminate IEC materials	Statistics reports generated/ monitored/ validated (no.)	Press releases/ conferences/ media interviews conducted (no.)	1	5	6	1	14	100%	280%	233%		
			Strategic Mineral Information Systems managed/developed/maintained (no.)	8	8	8	8	8	100%	100%	100%		
A.02.c	Research and Development	1	Research Studies on Mineral Resources and Geosciences Development (MRGD) Programs	Information materials generated/published/disseminated (no.)	521	4,648	6,212	520	5,178	100%	111%	83%	- 500 copies of Primer on MGB Profile - 500 copies of Primer on FTAA - 500 copies of Gold Commodity Profile; 20 Info kits - 500 copies of Nickel Commodity Profile; 20 Info kits - 500 copies of Silver Commodity Profile; 20 Info kits; 1 Short Video on the Uses/Importance of Minerals - 500 copies of Information Materials (Digital Copy) provided to the participants of the "Stakeholder's Forum on Understanding Recent Policy Issuances relating to mining"; 1 Mineral Gazette; 1 Mining Facts & Figures updated; 3 Commodity profiles undated (Nickel, Copper and Limestone); 25 Info kits - 500 copies of Primer on Small Scale Mining Act; 25 Info kits - 500 copies of Primer on Quickfacts about Mining; 20 Info kits - 500 copies of Primer on Quickfacts about Mining; 20 Info kits
				Research/studies conducted (no.)	7	7	9	7	7	100%	100%	78%	1 Recovery of Nickel, Cobalt, Iron and Rare Earth Elements from Low Grade Philippine Laterite Ores using Atmospheric Leaching with Reduction Pre-treatment 2 Extraction of Vanadium from Iron Sand Deposits 3 Technical Study on the use Synthesized Laterite Iron Sand as Feeds Material Shaft Furnace Iron Making Technology 4 Recovery of Scandium from Laterite-based Pig Iron Slag by Dry Digestion and Precipitation Methods 5 Research on the Cenozoic Stratigraphy of the Philippines 6 Ground and Sediment Control in Nickel Mining Operations 7 Application of Remote Sensing on Disturbed areas in Operating Surface Mines

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual	
A.03 - OPERATIONS										
001: NATURAL RESOURCES SUSTAINABLY MANAGED - PROGRAM 1: MINERAL RESOURCES ENFORCEMENT AND REGULATORY PROGRAM										
OUTCOME INDICATOR 1										
	Percentage increase in the revenues of government from mineral resources development			10%						
OUTCOME INDICATOR 2										
	Percentage of monitored mining permits/contracts complying with laws, rules and regulations									
OUTPUT INDICATOR 1										
	Mining applications (including other mining rights related applications) approved/denied/endorsed within the prescribed period									
OUTPUT INDICATOR 2										
	Number of mining permits/contracts monitored									
Program 1	Mineral Resources Enforcement and Regulatory Program									
1	Mineral Investment Promotion Program									
	Issuance of mining permits/contracts (including in areas within mineral reservations) and other related permits	Issuance of mining permits/contracts (no.)								
		a. Agreements/contracts/permits (FTAA/MPSA/EP/ISAGP/SSMP/MPP)								
		b. Ore Transport Permit (OTP)/Certification								
		0	3	4	0	5	167%	125%		
		c. Declaration of Mining Project Feasibility (DMPF) acted upon (no.)								
		6	54	71	8	85	133%	157%	120%	
		d. Other mining related permits								
	Use It or Lose It Policy	Mining Applications with Final Action (no.)								
		6	54	71	8	85	133%	157%	120%	
2	Mining Industry Development Program									
	Monitoring/Audit of Mining Permits/Contracts/Leases/ Claims/JOAs (including those within Mineral Reservations) as to compliance with the Terms and Conditions/Requirements and implementation of approved Work Program/Safety, Health, Environmental and Social Development Programs	Mining Rights audited (no.) as to compliance with:								
		a. Work Program/Terms and Conditions/Requirements								
		2	15	15	3	12	150%	80%	80%	1
		Regional Office system audited for WP (no.)								
										2
										3
										4
										5
										6
										7
										-
		MPP Compliance audited (no.)								
		0	12	20	0	12	100%	60%		1
										2
										3
										4
										5
										6
										7

1 MGB Regional Office XII
2 MGB Regional Office VII
3 MGB Regional Office IV - CALABARZON
4 MGB Regional Office III
5 MGB RO No. II
6 MGB RO No. VI
7 MGB RO No. XIII
- Delay in the conduct of 2021 WP Audit due to the conduct of Workshop on the Results of the CY 2020 Audit of Regional Monitoring System, and Other Related Matters on April 19-23, 2021 and taking into consideration of the movement of personnel in the Mining Tenement Audit Section this Semester of 2021.

1 Animas Brother Construction Corp. (MPP-2019-05-X)
2 E & K Ventures Corp. (MPP-2018-04-X)
3 MLE Aggregates (MPP-2018-03-X)
4 WHK Manufacturing & Trading Corp. (MPP-2013-01-X; 1st Renewal)
5 AV Pamatong Trading & Const. Corp. (MPP-2013-02-X ;1st Renewal)
6 BAI Aggregates (MPP-2019-09-X)
7 Basoy Minerocks Corp. (MPP-2019-07-X)

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS		
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual			
3	Mine Rehabilitation Program	b. Safety, Health, Environment and Social Development (SHES) Programs Regional Office system audited for SHES (no.)	0	15	15	3	15		100%	100%	8 Epics Motor & Gen. Merchandise (MPP-2019-06-X) 9 G & P Builders, Inc. (MPP-2019-11-X) 10 Mindanao Rock (MPP-2019-10-X) 11 Socor Construction Corp. (MPP-2019-12-X) 12 Treasure Steelworks Corp. (MPP-2019-08-X)	
			1	2	3	1	2	100%	100%	67%	1 MGB Regional Office II 2 MGB Regional Office XII 3 MGB Regional Office I 4 MGB Regional Office IV - CALABARZON 5 MGB Regional Office IX 6 MGB Regional Office VI 7 MGB Regional Office VII 8 MGB Regional Office III 9 MGB Regional Office CAR 10 MGB Regional Office MIMAROPA 11 MGB Regional Office V 12 MGB Regional Office XIII 13 MGB Region VIII 14 MGB Region XI 15 MGB Region X	
			1	2	3	1	2	100%	100%	67%	- First monitoring was conducted on February 17, 2021. Schedule for next travel in the project site will be on October and/or November. Supervision and monitoring meeting with MGB for 3rdQ was rescheduled in October 2021	
			3	3	3	3	3	3	100%	100%	100%	- Annual Target from 4 to 3. Previous Target for the ERDB project was based on the WFP submitted by the ERDB on March 4, 2021. However, due to insufficient funds released by the DBM for the said project, ERDB was requested to submit a new 2021 WFP.
			1	9	10	0	6	0%	67%	60%	- Barlo Mines, Inc.	
			1	3	4	0	0	0%	0%	0%		
			1	6	7	0	1	0%	17%	14%	- No complaint/cases/conflicts for investigation was received from February to September	
			3	9	12	2	21	67%	233%	175%	1 MAB Case No. 0210-19 Carolina A. Francisco vs. MCG Aggregates and Crushing Plant 2 MAB Case No. 0116-00 Valley Mining and Dev.Corp. vs. Camarin Mining Corp. 3 MAB Case No. 0166-08 Provident Tree Farms Inc. vs. Makilala Mining Corp. 4 MAB Case No. 0154-07 San Juanico Resources Corp. vs. Heirs of Pabilona Jr. 5 MAB Case No. 0202-16 Long Fong vs. Severino Discartin and dolanson dolan dolan	
			4	Resolution of Complaints/Cases/Conflicts								
	a. Complaints/cases/conflicts investigated/resolved											

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual	
										6 MAB Case No. 0211-19 Rogelio V. Llonillo vs. Central Cement Corp. 7 MAB Case No. 0199-15 Nationwide Dev. Corp. vs. Lionshare Dev. Corp. 8 MAB Case No. 0174-08 Mt. Franz Mining Corp. vs. Balatoc Resources Exploration Corp. 9 MAB Case No. 0200-15 Picop Resources Inc. vs. Monkayo Consolidated Mining Corp. 10 MAB Case No. 0203-16 Picop Resources vs. Alberto Mining Corp. 11 MAB Case No. 0204-16 Picop Resources Inc. vs. Pensons Mining Corp. 12 MAB Case No. 0208-18 Picop Resources Inc. vs. Mina Del Oriente Inc. 13 MAB Case No. 0209-19 Picop Resources Inc. vs. Boston Tribal Multi-purpose Cooperative 14 MAB Case No. 0149-06 (formerly DENR Case No. IV-2005-04) Aspen Commercial Corporation, represented by Enrico L. Borja and Manuel D. Tanglao VS. Raul D. Navarro 15 MAB Case Nos. 0188-11 Green Valley Company vs. Earthmovers Mining Corporation 16 MAB Case No. 189-11 CAMALCA Mining Company vs. EARTHMOVERS Mining Corporation 17 MAB Case No. 0206-16 (formerly MAC case No.-VI-16-2011) Maricalum Mining Corporation vs. Philex Mining Corporation and Sta. Barbara Development Corporation 18 MAB case No. 0173-08 (formerly MGB-CAR Case No. 07-08) Philippine Mining Development Corporation (PMDC) vs. Balatoc Resources Exploration Corporation 19 MAB case No. 0187-11 (formerly MGB-CAR Case No. 10-03) Opaten Resources Corporation, vs. Pacific Metals Canada Phil., Inc. 20 MAB Case No. 0180-09 - PICOP Resources, Inc vs. Omega Gold Resources Philippines, Inc., 21 MAB Case No. 0128-02 - Heirs of Bucal Gavino vs. Philex Mining Corporation
	Mines Adjudication Board Cases decided-Original Appeal (no.)	1	9	12	0	12	0%	133%	100%	1 MAB Case No. 0210-19_Carolina A. Francisco vs. MCG Aggregates and Crushing Plant 2 MAB Case No. 0116-00_Valley Mining and Dev. Corp. vs. Camarin Mining Corp. 3 MAB Case No. 0166-08_Provident Tree Farms Inc. vs. Makilala Mining Corp. 4 MAB Case No. 0154-07_San Juanico Resources Corp. vs. Heirs of Pabilona Jr. 5 MAB Case No. 0202-16_Long Fong vs. Severino Discartin and dolanson dolan dolan 6 MAB Case No. 0211-19_Rogelio V. Llonillo vs. Central Cement Corp. 7 MAB Case No. 0174-08_Mt. Franz Mining Corp. vs. Balatoc Resources Exploration Corp. 8 MAB Case No. 0178-09_Cesar Ventura, represented by Alice Ventura vs. Romulo D. Aguineldo 9 MAB Case No. 0175-09_Asia Pacific Basin and Mining Corp., and Facets Minerals, Inc. vs. Balatoc Resources Exploration Corp. 10 MAB Case No. 0115-00_Yolanda Vidal-Laurel vs. VTN-Agno River Gold Mining, Inc., and Precious Metals Mining and Development Corporation

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual	
	Mines Adjudication Board Case Resolved - Motions (no.)	0	3	3	0	2	67%	67%	11 MAB Case No. 0185-10_La Concepcion Development Corporation, represented by Engr. Pedro M. Robles vs. Compania Minera Del Grande, Inc. 12 MAB Case No. 043-97_Benguet Corporation vs. Marsman and Company, Inc. 1 MAB Case No. 0171-08 Holcim vs. Neutron 2 MAB Case No. 0164-08_Suncorp Mines and Development Corporation vs. Bethlehem Nickel Corporation - Remaining Motion for Resolution of Mr. Bagarino - MAB Case No. 052-97; Letter-Reply prepared for finalization	
001: NATURAL RESOURCES SUSTAINABLY MANAGED - PROGRAM 2: MINERAL RESOURCES AND GEOSCIENCES DEVELOPMENT PROGRAM										
OUTCOME INDICATOR 1										
	Number of LGUs informed of the geology and mineral potential			12					0%	
OUTPUT INDICATOR 1										
	Percentage of Total Philippine area surveyed for geology and mineral potential	0.00%	0.90%	1.20%	0.70%	1.00%	111%	83%		
OUTPUT INDICATOR 2										
	Number of new mineral reservation areas assessed/endorsed for declaration									
Program 2	Mineral Resources and Geosciences Development									
1	Communication Plan For Mineral Resources and Geoscience Development									
2	National Mineral Reservation Program									
	Research and Development/Special Projects									
	Areas assessed and studied for REE (no.)	0	1	2	0	1	100%	50%	-	Exploration for Rare Earth Elements in Davao Oriental
	Major river systems assessed (line km.)	0	5	5	0	5	100%	100%	-	Baler/Villa Aurora Aguang River
	Capacity Building	0	1	2	0	3	300%	150%		
3	Geologic Mapping									
	Geological Mapping and Surveys - Quadrangle Mapping									
	Quadrangles assessed/surveyed (no.)	0	9	12	7	10	111%	83%	1	Lapigue (3471-III)
									2	Lukban Point (3470-II)
									3	Mount Rocky (3469-I)
									4	Bobon (3957-IV)
									5	Catarman (3957-III)
									6	Pambujan (3957-I)
									7	Genolgan (3957-II)
									8	Calbayog (3956-III)
									9	Malajog (3856-II)
									10	Lope de Vega (3956-IV)
	Advance Exploration area assessed (no.)	0	1	1	0	0	0%	0%	-	The target was rescheduled to prioritize the urgent requests for Mineral Resource Validation, as part of the requirements for the Declaration of Mining Project Feasibility.
	Existing 1:50,000 scale geologic maps upgraded (no.)	0	57	57	0	57	100%	100%		

P A P Code / Component Activity Statement		PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS
			This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual	
4	Provision of Laboratory Services	Samples analyzed (no.)	442	3,982	5,308	928	7,397	210%	186%	139%	- Aside from the current drydocking of the ship, most of the technical personnel who will join the Celebes Sea cruise are still in Camarines Sur conducting coastal vulnerability assessment and bathymetric survey. Also, still waiting for the successful sea trial on the use of the seismic sparker system.
		Determinations made (no.)	28,331	255,000	340,000	45,810	398,041	162%	156%	117%	
		Metallurgical Test conducted (no.)	210	1,890	2,600	251	3,938	120%	208%	151%	
	Offshore Exploration	Geophysical and Geological assessment (no.)	1	2	2	0	1		50%	50%	
003: ADAPTIVE CAPACITIES OF HUMAN COMMUNITIES AND NATURAL SYSTEMS IMPROVED - PROGRAM 1: GEOLOGICAL RISK REDUCTION AND RESILIENCY PROGRAM											
OUTCOME INDICATOR 1:											
	Percentage of LGUs that included geohazard information in their Disaster Risk Reduction and Mitigation Plan, Comprehensive Land Use Plan, and/or Development Plans			50%						0%	
OUTCOME INDICATOR 1:											
	Number of cities and municipalities where vulnerability and risk assessment was conducted		0	7	7	2	7		100%	100%	
OUTCOME INDICATOR 2:											
	Number of LGUs (cities/municipalities) provided with information, education and communication campaigns on geohazards		9	9	15	6	6	67%	67%	40%	
OUTCOME INDICATOR 3:											
	Number of LGUs assessed for groundwater resources and vulnerability		1	4	5	0	4	0%	100%	80%	
Program 1	Geological Assessment for Risk Reduction and Resiliency Program (Geoscience Development Services)										
1	Geohazard Assessment - Identification and Mapping of Geohazards for Critical Land Areas										
	Land Geological Assessment										
	Field Mapping and Survey										
	a. Vulnerability and Risk Assessment (VRA)	LGUs (cities/municipalities) assessed (no.)	0	7	7	2	7		100%	100%	1 Taguig City, Metro Manila 2 Mandaluyong City, Metro Manila 3 San Juan City, Metro Manila 4 Quezon City, Metro Manila 5 Pasig City, Metro Manila 6 Makati City, Metro Manila 7 Parañaque City, Metro Manila
b. Updating of 1:10,000 scale Geohazard Maps	LGUs (cities/municipalities) assessed (no.)	0	7	7	2	7		100%	100%	1 Taguig City, Metro Manila 2 Mandaluyong City, Metro Manila 3 San Juan City, Metro Manila 4 Quezon City, Metro Manila 5 Pasig City, Metro Manila 6 Makati City, Metro Manila 7 Parañaque City, Metro Manila	

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS	
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual		
c. Karst Subsidence Hazard Mapping and Assessment (Ground Subsidence Assessment)	LGUs (cities/municipalities) assessed (no.)	0	2	2	0	2		100%	100%	1 General Santos City, South Cotabato - Fieldwork was postponed due to the implementation of the GCQ and MECQ in March and April 2021 in Metro Manila. This consequently caused a domino effect in the accomplishment of the second target area for Karst Subsidence Hazard Assessment and Mapping.	
	Conduct of IEC to LGUs (Intensive IEC Campaign on geohazard and VRA)	9	9	15	6	6	67%	67%	40%	1 Malabon City, Metro Manila 2 Navotas City, Metro Manila 3 Valenzuela City, Metro Manila 4 Pateros, Metro Manila 5 Las Piñas City, Metro Manila 6 Muntinlupa City, Metro Manila - Prioritized the six (6) Metro Manila cities/municipality first considering internet stability in nine (9) areas outside NCR. It was deemed that a face-to-face IEC is more suitable and effective in attaining the goals of the said activity but the restrictions emplaced for CoViD-19 since 2020 has hindered physical gatherings of more than 10 persons. The IEC for the nine LGUs outside Metro Manila was moved to 4th Qtr once the IEC team members are fully vaccinated to ensure safety not only of the MGB personnel to be deployed but also the participants.	
	Printing of 1:10,000 scale maps	0	0	6,325	324	1,204			19%		
		Geohazard maps printed (no.)	0	0	6,325	324	1,204			19%	
		Geospatial maps maintained (no.)	10,737	10,737	10,737	10,737	10,737	100%	100%	100%	
2 Coastal Vulnerability Assessment and Impact of Climate Change	Monitoring of Coastal Municipalities/Cities on accretion and erosion	0	11	11	7	22		200%	200%	1 Capalonga, Camarines Norte 2 Jose Panganiban, Camarines Norte 3 Mercedes, Camarines Norte 4 Paracale, Camarines Norte 5 Daet, Camarines Norte 6 Vinzons, Camarines Norte 7 Talisay, Camarines Norte 8 Del Gallego, Camarines Sur 9 Ragay, Camarines Sur 10 Balatan, Camarines Sur 11 Sipocot, Camarines Sur 12 Pasacao, Camarines Sur 13 Libmanan Camarines Sur 14 Sariaya, Quezon 15 Lucena City, Quezon 16 Padre Burgos, Quezon	
3 Groundwater Resource and Vulnerability Assessment	Groundwater Resource Assessment	1	4	5	0	4	0%	100%	80%	1 San Fernando City, La Union 2 San Juan, La Union 3 Baguiling, La Union	

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual	
										- The deferral was due to the exposure of Technical staff to Covid-19 confirmed cases for two succeeding incidents, which require them to undergo a total of three weeks of quarantine. The Municipality of La Union originally scheduled for September was moved to October.

Prepared by:


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Director

**CY 2021 EXTERNAL ACCOMPLISHMENT REPORT
Mines and Geosciences Bureau - Regional Office
September 30, 2021**

FO-PPIAD-09B

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual	
A.03 - OPERATIONS										
001: NATURAL RESOURCES SUSTAINABLY MANAGED - PROGRAM 1: MINERAL RESOURCES ENFORCEMENT AND REGULATORY PROGRAM										
OUTCOME INDICATOR 1										
	Percentage increase in the revenues of government from mineral resources development									
OUTCOME INDICATOR 2										
	Percentage of monitored mining permits/contracts complying with laws, rules and regulations			75%						
OUTPUT INDICATOR 1										
	Mining applications (including other mining rights related applications) approved/denied/endorsed within the prescribed period	422	3,084	3,646	528	3,771	125%	122%	103%	
OUTPUT INDICATOR 2										
	Number of mining permits/contracts monitored	76	938	1,030	59	996	78%	106%	97%	
Program 1	Mineral Resources Enforcement and Regulatory Program									
1	Mineral Investment Promotion Program									
	Issuance of mining permits/contracts (including in areas within mineral reservations) and other related permits	422	3,084	3,646	530	3,833	126%	124%	105%	
	a. Agreements/contracts/permits (FTAA/MPSA/EP/ISAGP/SSMP/MPP)	13	43	75	5	48	38%	112%	64%	
	b. Ore Transport Permit (OTP)/Certification	300	2,191	2,588	356	2,709	119%	124%	105%	
	c. Declaration of Mining Project Feasibility (DMPF) acted upon (no.)	1	3	4	0	2	0%	67%	50%	
	d. Other mining related permits	108	847	979	169	1,074	156%	127%	110%	
	Use It or Lose It Policy									
	Mining Applications with Final Action (no.)	25	103	156	12	124	48%	120%	79%	
	Development of Small-Scale Mining - Assistance to Provincial/City Mining Regulatory Board (P/CMRB)/LGUs/Other Stakeholders									
	Inventory of Peoples Small-Scale Mining (PSSM)/Minahang Bayan(MB) Areas, and Quarry/Sand and Gravel (SAG)/Small-Scale Mining (SSM) Sites (no.)	13	72	89	11	73	85%	101%	82%	
	Proposed Minahang Bayan sites endorsed to DENR through MGBCO (no.)	1	1	16	2	8	200%	800%	50%	
	Declared Minahang Bayan Sites Monitored (no.)	6	30	35	4	32	67%	107%	91%	
	P/CMRBs maintained/operationalized/reconstituted (no.)	88	88	88	87	87	99%	99%	99%	
2	Mining Industry Development Program									
	Monitoring/Audit of Mining Permits/Contracts/Leases/ Claims/JOAs (including those within Mineral Reservations) as to compliance with the Terms and Conditions/Requirements and implementation of approved Work Program/Safety, Health, Environmental and Social Development Programs									
	Mining Rights monitored (no.) as to compliance with:									
	a. Work Program/Terms and Conditions/Requirements	38	469	515	26	494	68%	105%	96%	
	MPP Compliance audited (no.)									
	Regional Office system audited for WP (no.)									
	b. Safety, Health, Environment and Social Development (SHES) Programs	38	469	515	33	502	87%	107%	97%	
	Regional Office system audited for SHES (no.)									

Region MIMAROPA: PMRB Marinduque is currently not operational in view of the temporary take-over of of the Provincial Government of Marinduque over the commercial sand and gravel activities (Reso. 32, s. 2019)

P A P Code / Component Activity Statement		PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS
			This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual	
2	National and International Linkages	Linkages coordinated (no.)	15	135	180	34	135	227%	100%	75%	<ul style="list-style-type: none"> - <u>Region 4B</u>: The activity was re-scheduled on November due to conflicting schedule with other activities under the Communication Plan. - <u>Region 7</u>: This activity was not accomplished due internet connection availability, since the workers thereat are staying in remote areas. - <u>Region 8</u>: The activity was postponed, which was initially scheduled in September, because of stricter border control in Southern Leyte. It was rescheduled in October. - <u>Region 13</u>: Unable to conduct due to strict protocols and peace and order situation in the targeted area.
	National Mineral Reservation Program										
	Upgrading and Development of Existing Mineral Reservation Areas	Existing Mineral Reservation areas monitored and upgraded (no.)	1	2	8	1	3	100%	150%	38%	<ul style="list-style-type: none"> - Parcel 2 of Zambales Chromite Mineral Reservation - Diwalwal Mineral Reservation - Siruma White Clay in Camarines Sur
	Establishment of New Mineral Reservations	New mineral reservation areas assessed/endorsed for declaration (no.)	3	4	7	2	3	67%	75%	43%	<ul style="list-style-type: none"> - Assessment in the Proposed Mineral Reservation in the Municipalities of San Remigio, Sibalom, Belison, Patngongon, Valderrama in the Province of Antique - Tagkawayan, Quezon - Block 1 Parcel 3 Misamis Oriental - <u>Region 7</u>: For rescheduling due to COVID-19 Restrictions
	Research and Development/Special Projects	Areas assessed and studied for REE (no.)	2	3	3	1	2	50%	67%	67%	<ul style="list-style-type: none"> - Exploration for Rare Earth Elements in Parcel 2 of Zambales Chromite Mineral Reservation in Candelaria, Zambales - Exploration for Rare Earth Elements in Talifugo, Conner, Apayao - <u>Region 13</u>: Due to the surge of covid 19 in the region LGUs implemented a more stricter health and safety protocols.
		Major river systems assessed (line km.)	15	75	120	40	141	267%	188%	118%	<ul style="list-style-type: none"> - Rodriguez, Rizal - Layog River, Mahaplag, Leyte - Casamoan River, Manay, Davao Oriental - Labo River and its major tributaries in Camarines Norte - Chico River in Tabuk City, Kalinga - Sibuguey River - Padsan River, Ilocos Norte - Alubijid River, Misamis Oriental - Allah River, Bagumbayan/Isulan, Sultan Kudarat - Cabadbaran River, Cabadbaran City, Surigao del Norte
3	Geologic Mapping										
	Geological Mapping and Surveys - Quadrangle Mapping	Quadrangles assessed/surveyed (no.)	0	51	52	2	48	94%	92%	<ul style="list-style-type: none"> 1 Lubuagan (3272-III) 2 Jaguimitan (4243-IV) 3 Lambunao (3453-II) 4 San Francisco (4050-III) 5 Madalang Point (3545-II) 6 Compostela (4243-III) 7 Kraan (3838-II) 	

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual	
Provision of Laboratory Services	Existing 1:50,000 scale geologic maps upgraded (no.)	10	50	82	11	51	110%	102%	62%	8 Bolo-bolo (4048-II) 9 Bayawan (3548-III) 10 Catbalogan (3955-II) 11 Mandih (3644-IV) 12 Tampolo (3944-III) 13 Basiawan (4139-IV) 14 Malita (4139-III) 15 Kraan River (3838-I) 16 Carrascal (4148-II) 17 Madrid (4147-I) 18 Kabugao (3274-III) 19 Karagawan (3273-IV) 20 Canipan (2445-I) 21 Tarusan (2545-IV) 22 Molave (3644-II) 23 Mt. Katanglad (3944-II) 24 Padada (4039-I) 25 Lebe (3938-III) 26 Mt. Abriingan (3474-I) 27 Patunungan Bay (3475-II) 28 Hilangos (3951-III) 29 Manat (4242-IV) 30 Kling (3937-IV) 31 Prosperidad (4145-I) 32 Tawit (3274-II) 33 Sipa (3274-I) 34 Libacao (3454-II) 35 Kalibo (3455-III) 36 Aurora (3743-IV) 37 Dumalaguino (4045-III) 38 Cateel (4243-II) 39 Dadiangas (4038-III) 40 Bangar (3070-I) 41 Barahan (3159-II) 42 Nagbalaje Quad (3547-I) 43 Plaridel Quad (3951-I) 44 Batiano Quad (4242-I) 45 Malapatan Quad (4037-I) 46 Cabadbaran Quad (4147 III) 47 <i>Batangan (3474-IV)</i> 48 <i>Hinatuan (4245-II)</i> - <i>Region 6: Fieldwork was put on hold because of confirmed COVID-19 cases in the MGB - Geosciences Division.</i> - <i>Region 13: Peace and Order situation problem in Malimono, Surigao del Norte leads to postponement of scheduled geologic quadrangle mapping in Malimono Quadrangle.</i> - <i>Region 2: The digitization of the remaining target maps is ongoing and the delay is due to difficulty of processing the maps caused by the limited days in the office (skeletal workforce, quarantine and fieldwork).</i>
	Samples analyzed (no.)	199	1,505	1,960	265	2,111	133%	140%	108%	
	Determinations made (no.)	21,747	187,360	247,360	12,614	201,980	58%	108%	82%	

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual	
Mineral Resource Inventory	Provincial Resource Maps updated and submitted to MGBCO (no.)	0	1	15	0	1		100%	7%	
003: ADAPTIVE CAPACITIES OF HUMAN COMMUNITIES AND NATURAL SYSTEMS IMPROVED - PROGRAM 1: GEOLOGICAL RISK REDUCTION AND RESILIENCY PROGRAM										
OUTCOME INDICATOR 1:										
	Percentage of LGUs that included geohazard information in their Disaster Risk Reduction and Mitigation Plan, Comprehensive Land Use Plan, and/or Development Plans			50%						0%
OUTCOME INDICATOR 1:										
	Number of cities and municipalities where vulnerability and risk assessment was conducted	3	64	73	6	69	200%	108%	95%	
OUTCOME INDICATOR 2:										
	Number of LGUs (cities/municipalities) provided with information, education and communication campaigns on geohazards	11	60	75	9	60	82%	100%	80%	
OUTCOME INDICATOR 3:										
	Number of LGUs assessed for groundwater resources and vulnerability	6	44	45	5	42	83%	95%	93%	
Program 1	Geological Assessment for Risk Reduction and Resiliency Program (Geoscience Development Services)									
1	Geohazard Assessment - Identification and Mapping of Geohazards for Critical Land Areas									
	Land Geological Assessment									
	Field Mapping and Survey									
	a. Vulnerability and Risk Assessment (VRA)	LGUs (cities/municipalities) assessed (no.)	3	64	73	6	69	200%	108%	95%
										1 Boliney, Abra 2 Abucay, Bataan 3 Rodriguez, Rizal 4 Magdiwang, Romblon 5 Cajidiocan, Romblon 6 San Fernando, Romblon 7 Gigmoto, Catanduanes 8 Bagamanoc, Catanduanes 9 Malabuyoc, Cebu 10 Sergio Osmeña Sr., Zamboanga del Norte 11 Kadingilan, Bukidnon 12 Pugo, La Union 13 Buguey, Cagayan 14 Victoria, Tarlac 15 Balete, Batangas 16 Alitagtag, Batangas 17 Camalig, Albay 18 Malinao, Albay 19 Bingawan, Iloilo 20 Balangkayan, Eastern Samar 21 Santa Monica, Surigao del Norte 22 Aliaga, Nueva Ecija 23 Samboan, Cebu 24 Llorente, Eastern Samar 25 Aurora, Zamboanga del Sur 26 Kitaotao, Bukidnon 27 Libjo, Dinagat Island

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual	
b. Updating of 1:10,000 scale Geohazard Maps	LGUs (cities/municipalities) assessed (no.)	3	64	73	6	69	200%	108%	95%	28 Tubajon, Dinagat Island 29 Barlig, Mountain Province 30 Labrador, Pangasinan 31 Sual, Pangasinan 32 Zaragoza, Nueva Ecija 33 Santa Teresita, Batangas 34 Dolores, Quezon 35 Lambunao, Iloilo 36 Guindulman, Bohol 37 Ramon Magsaysay, Zamboanga del Sur 38 Kadingilan, Bukidnon 39 Cagdianao, Dinagat Islands 40 Tuba, Benguet 41 Tubao, La Union 42 Gattaran, Cagayan 43 Alcala, Cagayan 44 Peñaranda, Nueva Ecija 45 El Nido, Palawan 46 Linapacan, Palawan 47 Ivisan, Capiz 48 Ajuy, Iloilo 49 Calinog, Iloilo 50 Hernani, Eastern Samar 51 Burgos, Surigao del Norte 52 Aringay, La Union 53 General Tinio, Nueva Ecija 54 Balatan, Camarines Sur 55 Minalabac, Camarines Sur 56 San Pablo, Zamboanga del Sur 57 Luba, Abra 58 Santa Barbara, Pangasinan 59 Santa Teresita, Cagayan 60 Doña Remedios Trinidad, Bulacan 61 Tayasan, Negros Oriental 62 General MacArthur, Eastern Samar 63 Balingasag, Misamis Oriental 64 Llanera, Nueva Ecija 65 San Pascual, Batangas 66 San Jose, Batangas 67 Ibaan, Batangas 68 Ayungon, Negros Oriental 69 Malangas, Zamboanga Sibugay
										1 Boliney, Abra 2 Abucay, Bataan 3 Rodriguez, Rizal 4 Magdiwang, Romblon 5 Cajidiocan, Romblon 6 San Fernando, Romblon 7 Gigmoto, Catanduanes 8 Bagamanoc, Catanduanes 9 Malabuyoc, Cebu 10 Sergio Osmeña Sr., Zamboanga del Norte 11 Kadingilan, Bukidnon 12 Pugo, La Union

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual	
										13 Buguey, Cagayan 14 Victoria, Tarlac 15 Balete, Batangas 16 Alitagtag, Batangas 17 Camalig, Albay 18 Malinao, Albay 19 Bingawan, Iloilo 20 Balangkayan, Eastern Samar 21 Santa Monica, Surigao del Norte 22 Aliaga, Nueva Ecija 23 Samboan, Cebu 24 Llorente, Eastern Samar 25 Aurora, Zamboanga del Sur 26 Kitaotao, Bukidnon 27 Libjo, Dinagat Island 28 Tubajon, Dinagat Island 29 Barlig, Mountain Province 30 Labrador, Pangasinan 31 Sual, Pangasinan 32 Zaragoza, Nueva Ecija 33 Santa Teresita, Batangas 34 Dolores, Quezon 35 Lambunao, Iloilo 36 Guindulman, Bohol 37 Ramon Magsaysay, Zamboanga del Sur 38 Kadingilan, Bukidnon 39 Cagdianao, Dinagat Islands 40 Tuba, Benguet 41 Tubao, La Union 42 Gattaran, Cagayan 43 Alcala, Cagayan 44 Peñaranda, Nueva Ecija 45 El Nido, Palawan 46 Linapacan, Palawan 47 Ivisan, Capiz 48 Ajuy, Iloilo 49 Calinog, Iloilo 50 Hernani, Eastern Samar 51 Burgos, Surigao del Norte 52 Aringay, La Union 53 General Tinio, Nueva Ecija 54 Balatan, Camarines Sur 55 Minalabac, Camarines Sur 56 San Pablo, Zamboanga del Sur 57 Luba, Abra 58 Santa Barbara, Pangasinan 59 Santa Teresita, Cagayan 60 Doña Remedios Trinidad, Bulacan 61 Tayasan, Negros Oriental 62 General MacArthur, Eastern Samar 63 Balingasag, Misamis Oriental 64 Llanera, Nueva Ecija 65 San Pascual, Batangas 66 San Jose, Batangas 67 Ibaan, Batangas

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual	
c. Karst Subsidence Hazard Mapping and Assessment (Ground Subsidence Assessment)	LGUs (cities/municipalities) assessed (no.)	1	12	16	5	13	500%	108%	81%	68 Ayungon, Negros Oriental 69 Malangas, Zamboanga Sibugay
	Seminars/Workshops conducted (no.)	11	60	75	9	60	82%	100%	80%	1 Dasol, Pangasinan 2 General Tinio, Nueva Ecija 3 San Isidro, Davao del Norte 4 San Jose, Occidental Mindoro 5 Maydolong, Eastern Samar 6 Moalboal, Cebu 7 Alabel, Sarangani 8 Burgos, Surigao del Norte 9 Lamut, Ifugao 10 Asipulo, Ifugao 11 Gonzaga, Cagayan 12 Dalaguete, Cebu 13 Salug, Zamboanga del Norte - <u>Region 4</u> : For Rescheduling due to COVID-19 Restrictions
Conduct of IEC to LGUs (Intensive IEC Campaign on geohazard and VRA)										1 Carmona, Cavite 2 San Pedro, Laguna 3 Santa Rosa, Laguna 4 Malay, Aklan 5 Nabas, Aklan 6 Kawayan, Biliran 7 Almeria, Biliran 8 Lubuagan, Kalinga 9 Pasil, Kalinga 10 Binalonan, Pangasinan 11 Peñablanca, Cagayan 12 Tuao, Cagayan 13 Allacapan, Cagayan 14 Lasam, Cagayan 15 Concepcion, Iloilo 16 Cabucgayan, Biliran 17 Biliran, Biliran 18 Caibiran, Biliran 19 Tabina, Zamboanga del Sur 20 Dimataling, Zamboanga del Sur 21 Vincenzo A. Sagun, Zamboanga del Sur 22 Baganga, Davao Oriental 23 Monkayo, Davao de Oro 24 Laak, Davao de Oro 25 Pantukan, Davao de Oro 26 Maragusan, Davao de Oro 27 Burgos, Pangasinan 28 Calatrava, Romblon 29 Alcantara, Romblon 30 San Agustin, Romblon 31 Aroroy, Masbate 32 Milagros, Masbate 33 San Andres, Catanduanes 34 San Miguel, Catanduanes 35 Capalonga, Camarines Norte 36 Sta. Elena, Camarines Norte

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS		
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual			
2	Capacity Building on Geosciences	Training/seminars conducted for/ attended by MGB technical personnel (no.)	8	51	81	12	92	150%	180%	114%	37 Carles, Iloilo 38 Sara, Iloilo 39 Bayog, Zamboanga del Sur 40 Buug, Zamboanga Sibugay 41 Plaridel, Misamis Occidental 42 Sabangan, Mountain Province 43 Calanasan, Apayao 44 Tinglayan, Kalinga 45 Calasiao, Pangasinan 46 Masinloc, Zambales 47 Candelaria, Zambales 48 Santa Cruz, Zambales 49 Palauig, Zambales 50 Alcala, Pangasinan 51 Dinalupihan, Bataan 52 Sierra Bullones, Bohol 53 Loon, Bohol 54 Batuan, Bohol 55 Kidapawan City, Cotabato 56 Arakan, Cotabato 57 Tulunan, Cotabato 58 Mlang, Cotabato 59 Cagwait, Surigao Del Sur 60 Cortes, Surigao Del Sur	
	Geohazards Operation Center	Geohazards Operation Center Maintained (no.)	15	15	15	15	15	100%	100%	100%		
	Coastal Vulnerability Assessment and Impact of Climate Change	Monitoring of Coastal Municipalities/Cities on accretion and erosion	Coastal Municipal LGUs (Cities/Municipalities) monitored (no.)	0	1	9	0	5		500%	56%	1 Jose Dalman, Zamboanga Del Norte 2 Manukan, Zamboanga del Norte 3 Bantayan, Cebu 4 Madridejos, Cebu 5 Santa Cruz, Davao Del Sur
3	Groundwater Resource and Vulnerability Assessment	Groundwater Resource Assessment	LGUs (cities/municipalities) assessed (no.)	6	44	45	5	42	83%	95%	93%	1 Lubuagan, Kalinga 2 Castillejos, Zambales 3 Nagcarlan, Laguna 4 Medina, Misamis Oriental 5 Digos City, Davao del Sur 6 San Marcelino, Zambales 7 Malabuyoc, Cebu 8 Tabango, Leyte 9 Diplahan, Zamboanga Sibugay 10 Talisayan, Misamis Oriental 11 Lake Sebu, South Cotabato 12 Rizal, Kalinga 13 San Antonio, Zambales 14 Aroroy, Masbate 15 Padada, Davao Del Sur 16 Santa Cruz, Laguna

P A P Code / Component Activity Statement	PERFORMANCE INDICATOR	TARGET			ACCOMPLISHMENT					REMARKS
		This Mo.	To Date	Annual	This Mo.	To Date	% This Mo.	% To Date	% Annual	
										17 Baleno, Masbate 18 Alegria, Cebu 19 Villaba, Leyte 20 Buug, Zamboanga Sibugay 21 Santa Cruz, Davao del Sur 22 Claver, Surigao del Norte 23 Pila, Laguna 24 Abra De Ilog, Occidental Mindoro 25 Mamburao, Occidental Mindoro 26 Dumangas, Iloilo 27 Balingoan, Misamis Oriental 28 Surallah, South Cotabato 29 Tabuk City, Kalinga 30 Ginatilan, Cebu 31 Matag-ob, Leyte 32 Ipil, Zamboanga Sibugay 33 Gigaquit, Surigao del Norte 34 Santa Cruz, Occidental Mindoro 35 Paluan, Occidental Mindoro 36 Mandaon, Masbate 37 Santo Niño, South Cotabato 38 <i>Narvacan, Ilocos Sur</i> 39 <i>Sta. Maria, Ilocos Sur</i> 40 <i>San Esteban, Ilocos Sur</i> 41 <i>Peñablanca, Cagayan</i> 42 <i>Bacuag, Surigao del Norte</i> - <i>Region 2 : Fieldwork rescheduled on October 2021 due to Covid-19 travel restriction imposed in the Municipality.</i> - <i>Region 6 : Fieldwork was put on hold because of confirmed COVID-19 cases in the MGB - Geosciences Division.</i>

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