	ENVIRONMENT AND NATURAL RESOURCES		June				
			MONTH				
	Accomplishment Report		2023				
			YEAR				
PROGRAM/PROJECT/ACTIVITY				PROJECT DESCRIPTION		STATUS/REMARKS/ ACCOMPLISHMENT	
I. FOREST MANAGEMENT AND CONSERVATION DIVISION							
A. Forest Resources Development Activities:							
1. Nursery Operations & Maintenance Works							
a. Production/Propagation and Disposition of seedlings				Production, propagation and procurement of seedling stock and disposition of seedlings		Beginning balance: 29,886 seedlings to include Agoho, Anchoan Dilaw, African Tulip, Bitbitan, Chest Nut, Golden Shower, Earpod, Ipil, Kamagong, Mahogany, Molave, Narra, Rubber Tree, Talisay, Tindalo, Tuai, Atis, Antipolo, Bignai, Cacao, Mandarin, Duhat, Guyatis, Langka, Lansones, American Lemon, Lemon, Mangga, Passion Fruit, Rambutan, Tamarind, Santol, Bignai, Calamansi, Pomelo, Satsuma, Verba, Bamboo, Beetle Nut, and Tokyang Palm;	
						Number of seedlings produced: A total of 559 consisting of 103 Forest Trees and 456 Fruit-bearing Trees Seedlings;	
						The following ISEP-TF Monitoring Checkpoints were also able to produce seedlings, to wit:	
						Abuan ISEP-TF MC - 800 pieces of Forest tree seedlings Disipon TSEP-TF MC - 1,091 pieces of Forest tree seedlings Marana ISEP TF MC - 906 pieces of Forest tree seedlings	
						Number of seedlings released: A total of 2,384 assorted seedlings were disposed to various requesting constituents composed of 765 forest tree seedlings, 1,444 fruit-bearing tree seedlings and 175 Bamboo Propagules;	
						Mortality rate at 1.46% equivalent to 442 seedlings was incurred.	
						Stock balance: 30, 219 seedlings as of June 30, 2023.	
b.Maintenance works				Maintenance of Provincial Nursery; Operation of Clonal Nursery; Brushing, ring weeding and greening of two nurseries; arrangement, and sorting of seedlings for hardening; seed and collection and propagation; and other activities that may be assigned to be accomplished during the period		Supervised and led by ENRO personnel assigned, 5 contractual laborers ensures the conduct of regular maintenance and operations of the nursery. Activities include improvement of seedling beds, potting for soil media, seeds and wildlings collection, watering transplanting and sorting of seedlings.	

2. Climate Change Mitigation/ Adaptation and DRRM Initiatives	Implementation of forest rehabilitation and other greening efforts such as but not limited to watershed rehabilitation, agro-forestry, riparian rehabilitation & development, mangrove & beach forests rehabilitation and urban greening with the aim to reduce the causes of global warming and its effect to biodiversity; and protect communities from risks of hazards caused by natural calamities.	<p>On June 30, 2023, this Office thru its personnel coordinated with the Isabela Provincial Police Station, Manaring Integrated School, San Andres Elementary School, Gamu Police Station and Camp Melchor F. Dela Cruz, Upi, Gamu, Isabela for the conduct of inspection of planted seedlings given to different beneficiaries.</p> <p>Findings were as follows:</p> <p>1. Sitio Bigao, Brgy. Sindon, Bayabo, City of Ilagan - the estimated survival rate is more or less 65% of the seedlings planted.</p> <p>2. Manaring Integrated School - the survival rate of the planted seedlings is more or less 50%.</p> <p>3. San Andres Elementary School - there were fifty pieces of assorted seedlings given to the school with more or less 60% survival rate.</p> <p>4. Gamu Police Station - the requested seedlings were planted at vacant part of Sta. Rosa Primary School with a survival rate of more or less 30%.</p> <p>5. 5th Infantry Division - the estimated survival rate of the planted seedlings is 75%.</p> <p>Recommendations:</p> <p>1. Planted seedlings should be in proper spacing;</p> <p>2. There should be a regular maintenance of seedlings such as: weeding, cultivating and applying of organic fertilizer/vermi compost;</p> <p>3. Mulching is highly recommended due to excessive heat during summer season that helps in suppressing weed growth, retaining soil moisture and improves soil fertility; and</p> <p>4. Seedlings must be provided with tree guards for protection from strong winds and stray animals.</p> <p>In summary, the beneficiaries who have the mortality rate of 45% below requested another seedlings for replanting as a replacement for the wilted seedlings due to extreme heat.</p>
B. Forest Protection and Law Enforcement Activities:		
1. Manning of Checkpoints		
a. Foot/mobile Patrolling and Surveillance	Foot/mobile patrolling and surveillance of illegal cutting and transporting of forest products.	<p>ENRO and ISEP-TF personnel conducted surveillance and mobile patrolling in the following areas:</p> <p>-Alinguigan 3rd, Alinguigan 2nd, Malalam, Fuyo, San Ignacio, San Juan, San Lorenzo, Bintacan, Cabisera 8, Cabisera 14-15, Cabisera 22, Sitio Lagis, Sindon Bayabo, and other forest barangays of City of Ilagan, Isabela;</p> <p>-Magassi, Masipi East, and Masipi West, Cabagan, Isabela;</p> <p>-Antagan 1st, Antagan 2nd and Dy-Abra, Tumauni, Isabela;</p> <p>-Benito Soliven and San Mariano areas;</p>

		<p>Forest region at Jones and San Agustin, Isabela;</p> <p>-Ilagan-Divilacan Road Rehabilitation Project (IDRRIP)</p> <p>Also, assisted in the monitoring of Sand and Gravel Extraction Activities.O22</p>
b. Apprehension/Confiscation	Apprehension/confiscation of illegally cut and transported forest products	<p>For this month, ISEP-TF assigned at forest protection were able to apprehend eighty-nine (89) pieces with a total volume of 1,430.91 board feet of Common Hard Wood and Narra Flitches on June 22, 2023 at Batong Labang, City of Ilagan, Isabela.</p>
2. Donation/Utilization of Forest Products	Granting of request for wood materials	No donation/utilization of forest products was recorded for this month.
C. Activities Undertaken in Support of IDDRIP	Patrol works and monitoring activities and maintenance of reforestation areas	ISEP-TF and ENRO personnel conducted monitoring and maintenance activities at IDRRIP reforestation areas.
D. Other Related Activities		
1. Isabela Provincial Ecopark		<p>Clearing and beautification activities within the pathways of the Isabela Provincial eco-park is continuously and regularly conducted by the Job Order service providers.</p>
2. Inspection and Evaluation of Planted Bamboos during "1 Million Bamboos in a Day" Tree Planting Project of the Provincial Government of Isabela		<p>Personnel of this Office travelled to the municipalities of Cabagan, San Pablo and Sta. Maria, Isabela to conduct inspection and monitoring of the planted bamboos during the implementation of "1 Million Bamboos in 1 Day Project" conducted last December 20, 2022.</p> <p>Findings were as follows:</p> <p>1. The team observed dominance of seedling mortality. Considering the current climate condition, this can be attributed to prolonged dry season and lack maintenance activity particularly watering. Also, presence of stray animals such as carabaos, cows and goats are prevalent. In addition, is the destruction caused by land cultivation of the farms adjacent the planted areas.</p> <p>2. From the 10 barangays visited, the undersigned estimate a 30% survival rate of planted bamboos in the 7 planting areas namely barangays; Tallag, Casibarag Sur, Auitan, Guminga, Mozzozzin and San Rafael. Unfortunately, areas at barangays Casibarag Norte, Cabagan, Calamagui, San Pablo, and Buenavista, Sta. Maria, Isabela has 0% survival rate.</p>

		<p>Recommendations:</p> <p>1. Implement replanting activity but have to be conducted in set of rainy season for a higher probability of survival;</p> <p>2. Coordinate with the barangays LGUs whre the bamboos are planted, thru the LGU MENRO's for them to conduct maintenance activities ensuring that no animals shall be grazed near the planting areas; for this office to continue conduct inspection and monitoring to ensure the implementation of the recommendations; and</p> <p>3. To ensure maintenance and protection activities are implemented, monthly updates and reports must be submitted to this office by the partner Barangay/Municipal LGUs.</p>
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II. ENVIRONMENTAL MANAGEMENT DIVISION

A. Vermicomposting Facility	Production of Organic Fertilizer thru Vermicomposting	<p>Conducted collection of substrates in the production of organic fertilizers like compostable wastes collected from heaps, dried grasses, banana stalks, and assorted tree leaves.</p> <p>For this month, a total of 1,560 kgs. were produced and 900 kgs. were disposed to various requesting constituents, with a remaining stock balance of 28,361 kgs. as of June 30, 2023.</p>
B. Production of Green Charcoal	Production of charcoal briquettes out of paper waste to minimize the impact of paper waste	Produced a total of 11.0 kgs. charcoal briquettes for the month of June, 2023.
C. Maintenance of Organic Vegetable/Herbal Garden and Ecological Center	Maintenance of OrganicVegetable Garden, Materials Recovery Facility,Provincial Ecology Center and ENR Office premises.	Conducted brushing, cleaning, planting of vegetables, and maintenance of organic vegetable garden and ENRO surroundings.
D. Monitoring of Waste Disposal Facilities (SLF and RCA)	Pursuant to the provisions of the Local Government Code (RA No. 7160) and Ecological Solid Waste Management (ESWM) Act of 2000 (RA 9003), LGUs are mandated as the primary responsible bodies for the implementation and enforcement of ecological solid waste management system within their respective jurisdiction.	<p>One of the programs of the Provincial Government of Isabela thru the Environment and Natural Resources Office is the monitoring of waste disposal and solid waste management system of Municipal and City LGUs as well as the Provincial-operated hospitals as mandated under RA 9003</p> <p>The following sites were monitored, to wit:</p>

		<p>Jones Sanitary Landfill Facility</p> <p>The SLF was located at Brgy. Fugu, Jones approximately 1.5 km. away from the provincial road.</p> <p>Observations were as follows:</p> <ol style="list-style-type: none">1. Collection of residual wastes to urban barangays is scheduled every Monday while Tuesday and Wednesday for biodegradable and approximately 4.5 tons/day of wastes were collected. Plastic bags, plastic bottles, clear glasses (bote), and other wastes were being sold at a mobile junkshop;2. They have two (2) shredders and composter machines for biodegradables, and one (1) backhoe;3. They have five (5) segregators and three (3) garbage collectors;4. Mixed waste were collected but was sorted at the MRF;5. There is a septic vault for hazardous waste; and6. There were ;no leachate pond treatment and biodegradable waste were palced beside the cell.
		<p>San Agustin Residual Containment Area</p> <p>The RCA was located at Brgy. Santos, San Agustin. A staff from MENRO accompanied personnel from this office at the RCA. The gate of the RCA was locked and no personnel were present in the area. According to the staff of MENRO, the collection of waste was scheduled every Monday, Wednesday, and Friday. The Material Recovery Facility in the area was unmanageable and not properly labeled. They have a shedder machine but not functional.</p>
		<p>Dinapigue Sanitary Landfill- June 30, 2023</p> <p>The SLF was located approximately 1.5 km away from Brgy. Poblacion with an area of five (5) hectares.</p> <p>Observations were as follows:</p> <ol style="list-style-type: none">1. The SLF is not functional and garbage was scattered everywhere and plastic bottles were not properly segregated;2. Most garbage is not placed inside the cell;3. The garbage in the MRF of barangays were mixed; and4. The vermicomposting beds is not in used and bottle crusher is not functional.

E. Other Related Activies		
1. Ocean Clean-up Drive		June 30, 2023- In celebration of Environment Month, the Provincial Government of Isabela represented by ICDO, ITO, ENRO, and PYDO in partnership with LGU Dinapigue, spearheaded the Clean-up Drive Activity along Digumased sea shore. Participated by the different government agencies, stakeholders, different offices of LGU Dinapigue, Farmers, Fisher Folks, Youth/Student leaders, Women, Indigenous People, Municipal and Barangay Officials, National Agencies, and Private sectors.
2. Second Quarter Provincial Solid Waste Management Board		June 27, 2023- The 2nd Quarter Provincial/City/Municipal Solid Waste Management Board Meeting was held at GFNDy Amphitheater, Provincial Capitol, Alibagu, City of Ilagan, Isabela together with the awarding of the five (5) barangay winners of the 2022 Search for the Most Environment Friendly Barangays in the province of Isabela.
3. World Environment Day		June 5, 2023- In celebration of World Environment Day, ENRO personnel together with the Jos and ISEP-TF Operatives conducted Clean-up Drive at ENRO Eco Park.
III. MINERAL RESOURCES MANAGEMENT DIVISION		
A. Processing and Issuance of Permits	<p>The ENR Office as the implementing arm of the Provincial Government of Isabela in ENR concerns, is tasked to approve applications for small-scale mining, sand and gravel, quarry, guano, gemstone gathering and gratuitous permits and for industrial sand and gravel permits not exceeding five (5) hectares, under RA 7942 otherwise known as the Philippine Mining Act of 1995.</p>	<p>For the month of April, no Commercial Sand and Gravel (CSAG) Permit Applications was received.</p>
B. Accreditation of Haulers	<p>All haulers, traders, dealers and retailers of mineral/mineral products/by-products are required to be accredited by the Provincial Government through a Memorandum of Agreement with the Mines & Geo-sciences Bureau Region 02</p>	<p>For this month, this office received and processed applications of, and issued Accreditation Permit, to Two (2) haulers/ dealers/traders and retailers trading mineral products and by-products. Correspondingly, Ten (10) accreditation stickers were issued for the conveyances and equipment registered.</p> <p>A total of Php 7,040.00 accreditation fees were remitted to PTO representing the permit application fees amounting to Php 5,040.00 and Php 2,000.00 for the stickers.</p>

C. Site Verification and Inspection of Mining/Quarry Sites	<p>The ENR Office is responsible in field verification and evaluation of quarry areas to determine compliance of permit holders and/or operators to environmental laws, rules and regulations. It is a part of the process prior to the endorsement of the application to PMRB for deliberation.</p>	<p>For this Month, no site verification and inspection of applied areas was conducted. This activity shall be conducted on the following month of July 2023 for the two (2) remaining applications received in May which was rescheduled due to conflict of schedules.</p>
D.Field Monitoring of Quarry Areas		
1. Regular field inspection and monitoring	<p>This activity is in line with the implementation of Provincial Ordinance No. 5, series of 2014, to effectively regulate the utilization and monitor extraction activities, ensuring all necessary environmental measures are implemented in the quarry areas.</p> <p>Also, monitoring reports on extraction of sand and gravel and other quarry resources shall serve as basis for the collection of taxes and other related fees by the Provincial Treasurer's Office.</p>	<p>For this month, continued site inspection, monitoring of compliances to necessary permits and supervision of personnel assigned to various quarry areas were implemented.</p> <p>Compliance to extraction measures such as extraction in the main river bed, no screening of materials in the main river bed policy and pre-payment of quarry taxes and fees were checked at the Municipalities of Roxas, Mallig, Sta. Maria, San Pablo, Tumauni, Cabagan, and Delfin Albano. At the same time, checking of Accreditation Permit of haulers and transporters of sand and gravel materials through random inspection of vehicles hauling and transporting sand and gravel materials. Inspected vehicles were already accredited. Operators with monitored extraction without pre-payments were notified for post-payment. All personnel assigned at their respective areas were present, while those with no operation were either assigned to other areas with on-going operations or reported to the Provincial Nursery and conducted nursery activities.</p>
2. Monitoring of extraction activities	<p>This activity is in line with the implementation of Provincial Ordinance No. 5, series of 2014, to effectively regulate the utilization and monitor extraction activities, ensuring all necessary environmental measures are implemented in the quarry areas.</p> <p>Also, monitoring reports on extraction of sand and gravel and other quarry resources shall serve as basis for the collection of taxes and other related fees by the Provincial Treasurer's Office.</p>	<p>For the month of June, a total of 56,562.00 cu.m. were monitored to have been extracted from the different quarry areas in the province. This represents 2,380.00 Earth, 51,842.00 Mixed, and 2,340.00 Boulders; and with gross value amounting to Php 2,014,570.00 fees and taxes.</p> <p>Reports on extractions were accompanied by daily field monitoring reports and delivery receipts.</p> <p>Also, based on record, a total of Php 1,155,567.50 gross value of fees and taxes was remitted to PTO this month as prepayment to 32,226.50 cu.m. of Boulders and Mixed gravel materials.</p> <p>Post-payment was also remitted for the monitored extracted aggregates with volume totalling to 1,848.00 cu.m. corresponding to Php 73,845.00 taxes and fees.</p>

E. Other Related Activities		
1. Attendance/ Participation re Invitataion to Meetings/Dialogues and Request for Technical Assistance Related to Mineral Resources Management		<p>June 15-17, 2023 - In relation to the deferred issuance of Cease and Desist Order (CDO) to illegal small-scale mining operation in Cordon, Isabela in May, anothe invitation from MGB R-02 was received. In response, personnel of this office joined and assisted MGB R-02 personnel in the conduct or re-issuance of CDO of identified and assessed illegal small-scale miners. Together with representatives of DENR CENRO San Isidro, LGU Cordon and PNP Cordon, the team closed (padlocked) a total of 24 ball-mills and manholes at Barangays Caquilingan, Anonang, Camarao, and Dallao.</p>
		<p>June 27, 2023 - Personnel of this Office under the Mineral Resources Management Division attended the Stakeholders’ Forum entitled:” Green and Sustainable: A Forum on Responsible Mining” held at Casa Jardin, Santiago City on June 27, 2023. The activity was spearheaded by the Mines and Geo-sciences Bureau (MGB) Region 2 and attended by various sector from LGU’s, NGA’s, media practitioner, academe, environmental groups, religious sector, mining contractors, permit holders/permittees and other stakeholders. Topics presented include Geohazards, EO 130 and its IRR, Biodiversity Conservation and Protection in Mining Operation, Taxes on Minerals, and BSP's Gold Buying Program. Representatives from the 4 Mining Companies operating in Region 02 also shared their best practices on Promoting Mining to Anti-Miners, RA 9003, Community Development and Sustainable Mine Rehabilitation Practices.</p>
IV. OTHER PROGRAM/PROJECT/ACTIVITY		
1. PRDP related activities	As part of TWG, the ENR Office is in-charge in the Social and Environmental Safeguards (SES) concerns of various PRDP sub-projects	<p>June 1, 2023 - Conducted joint technical inspection for the 4th billing of rehabilitation/improvement of San Juan-Barucboc-Estrada-Dummon farm to market road subproject at Quezon, Isabela.</p> <p>June 14, 2023 - Attended Pre-FBI Conference for the Certificate of Precondition of Rizaluna-Camarao farm to market Road PRDP subproject at NCIP-Isabela Provincial Office, Santiago City, Isabela.</p> <p>June 23, 2023 - Submitted the SES requirements for the FMR subproject to the DA-RPC02 SES counterpart. Also proceeded to DENR Regional Office R02 to inquire and request a copy of cadastral map showing Brgys. Rizaluna and Camarao, Cordon, Isabela. The said map shall be reference for the crafting of a parcellary map showing the road and the adjacent lot of the subproject, a requirement of the PRDP.</p>

2. Meetings, Seminars, Trainings and Workshops Attended		<p>June 1-2, 2023- Attended two-day capacity development training re: Local Government Unit-Solid Waste Management-Self Compliance Monitoring and Auditing Report(LGU-SWM-SCMAR) at Piazza Zicarelli, Upi, Gamu, Isabela conducted by the DENR-EMB R02.</p> <p>June 5-9, 2023- Attended 40-hour training on Disaster Waste Management of DAP-Sustainable Human Development Program at DAP Conference Center, Tagaytay City.</p> <p>June 7-9, 2023- Attended and compleated the 2023 National Roll-out of the Philippines' Energy Efficiency and Conservation Training-Workshop Series for the Local Governments at Ace Hotel and Suites, Pasig City.</p> <p>June 7-9, 2023 - Attended Valuing Public Records thru the Establishment of Effective Records Disposition Program at La Carmela de Boracay.</p> <p>June 19, 2023 - Attended Provincial Census Board at Piazza Zicarelli, Gamu, Isabela.</p> <p>June 22, 2023 - Attended induction Program of New Officers of Caquilingan Small Scale Miners Association Inc. at Cordon, Isabela.</p> <p>June 23, 2023 - Attended CSI Leadership Series via Online</p>
3. Arbor Day		<p>June 25, 2023- In celebration of Arbor Day, the ENRO personnel headed by For. Geronimo P. Cabaccan, Jr., joined the DENR-PENRO in tree planting activity at Sta. Victoria, City of Ilagan, Isabela.</p>
Consolidated by:		
<div><div>(SGD.) <u>JESSA C. RIVERO</u> Community Development Assistant II</div><div>(SGD.) <u>IVY M. GATAN</u> Administrative Assistant I</div></div>		
Certified Correct:		
<div>(SGD.) <u>GERONIMO P. CABACCAN, JR.</u> Environment and Natural Resources Officer</div>		

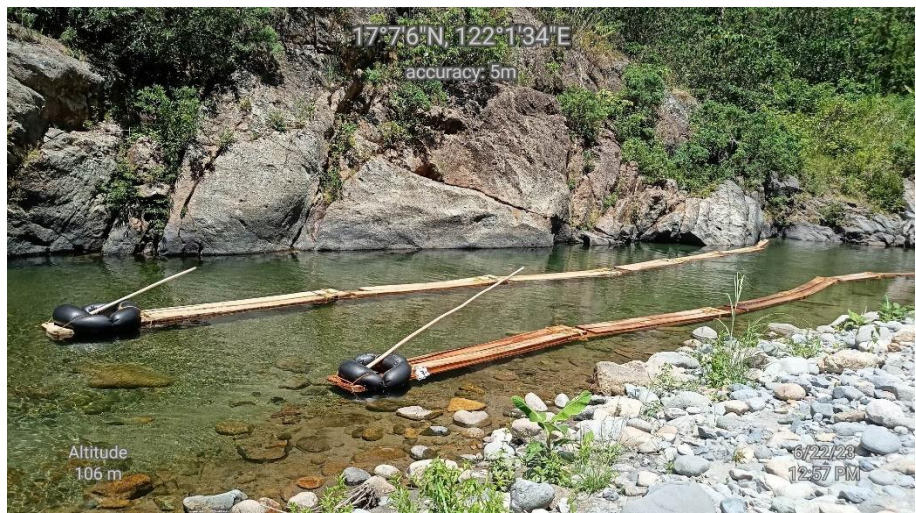


Pictures taken during the conduct of clearing activities and beautification within the pathways of the Isabela Provincial eco-park for the month of June, 2023.





Photos taken during the apprehension of mostly abandoned illegally-harvested forest products as a result of regular conduct of forest law enforcement activities for the month of June, 2023.





Pictures of the activities conducted at the ENRO Provincial Nursery for the month of June, 2023.

Photos taken during the inspection of planted seedlings awarded to different beneficiaries at City of Ilagan and Gamu, Isabela on June 30, 2023.





ISEP-TF Operative Members during their conduct of Seedling Production Activities, which include wildlings collection, potting and transplanting.



Organic Fertilizer Production thru Vermicomposting



Production of Charcoal Briquettes made-out of Paper Wastes



Residual Containment Area (RCA) Operation



Inspection and Monitoring of Sanitary Landfill Facility (SLF) of San Agustin



Monitoring and Inspection of Residual Containment Area (RCA) of San Agustin



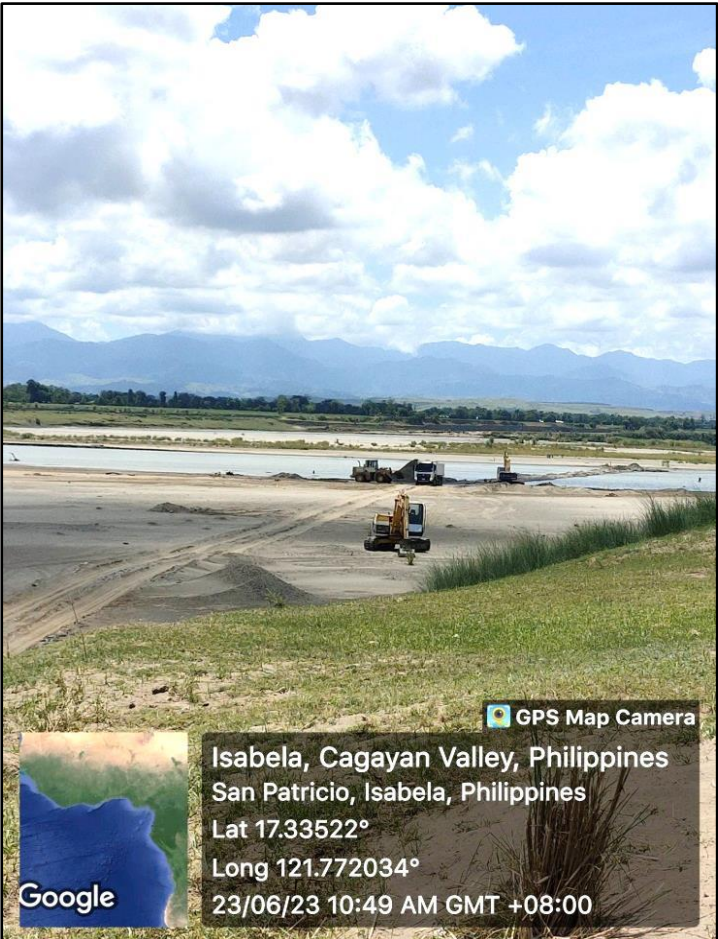
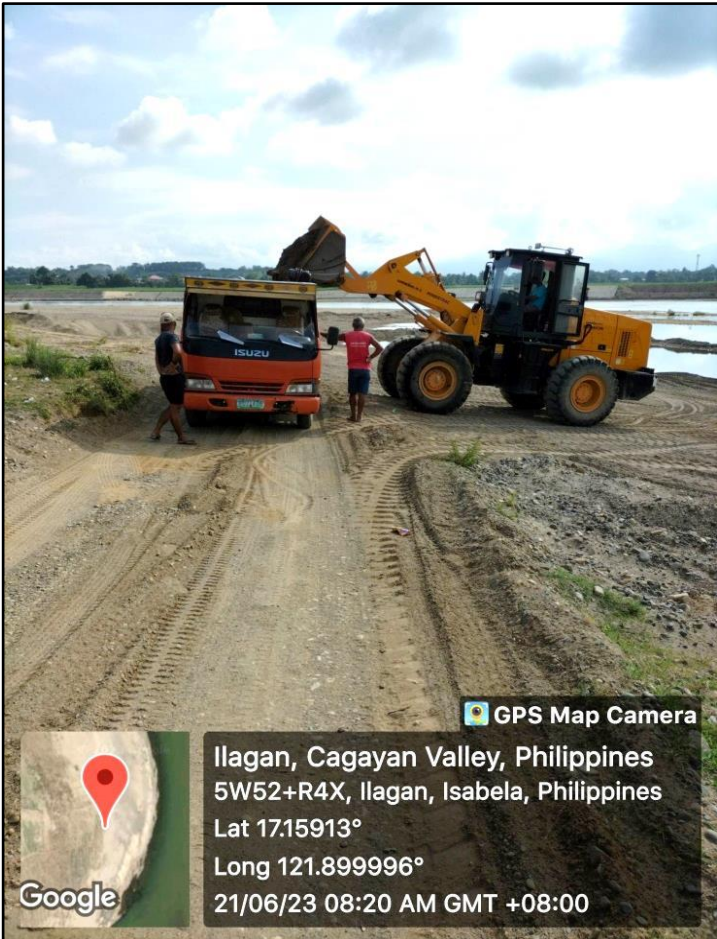
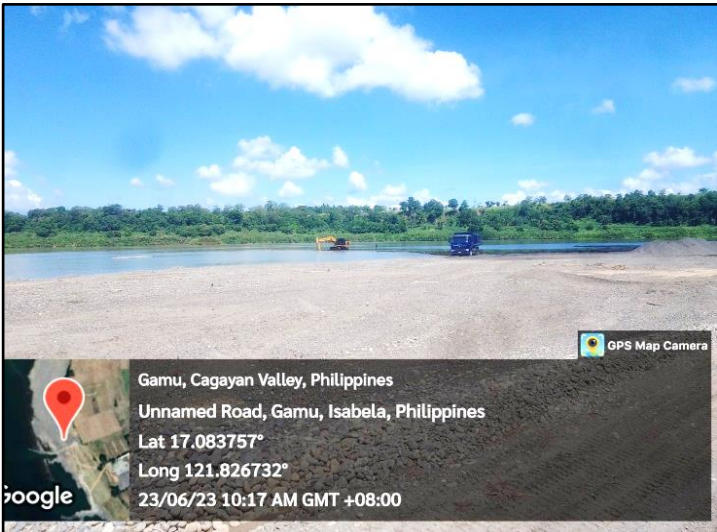
Monitoring and Inspection of Sanitary Landfill Facility (SLF) of Dinapigue



Ocean Clean-Up Drive Activity at Dinapigue, Isabela



Some of the photos daily submitted by ISEP-TF Operative Members assigned at the different quarry areas in the Province for the month of June, 2023.



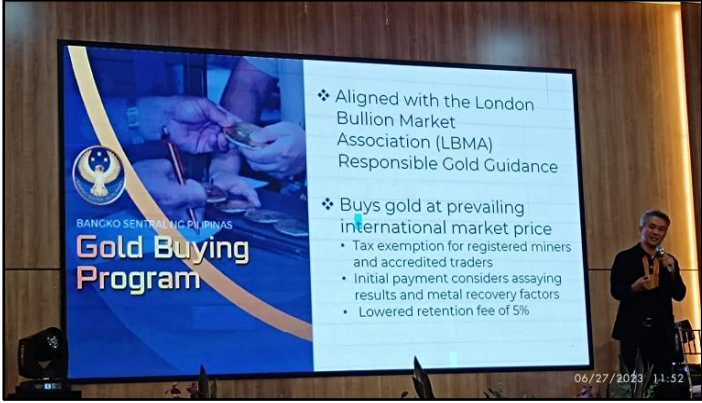


Some of the photos taken in the issuance of Cease and Desist Order on June 15-17, 2023 to illegal small-scale miners at Barangays Caquilinga, Anonang, Camarao, and Dallao, Cordon, Isabela; along with this is the padlocking of ball-mills and manholes, and securing the areas with caution tape.





Some of the photos taken during the “Green and Sustainable: A Forum on Responsible Mining” held on June 27, 2023 at Casa Jardin, Santiago City



Some of the photos taken during the 3-day Training Workshop on Energy Efficiency and Conservation held on June 7-9, 2023 at Ace Hotel & Suites, Pasig City



Awarding of 2022 Search for the Most Environment-Friendly Barangays in the Province of Isabela held at Amphitheater, Capitol, Alibagu, City of Ilagan, Isabela.

Congratulations!



ANONANG, SAN GUILLERMO
CHAMPION

2022 SEARCH FOR THE MOST ENVIRONMENT-FRIENDLY BARANGAYS
IN THE PROVINCE OF ISABELA



VILLA MARCOS, RAMON
1ST RUNNER-UP

2022 SEARCH FOR THE MOST ENVIRONMENT-FRIENDLY BARANGAYS
IN THE PROVINCE OF ISABELA



DUMAWING, JONES
2ND RUNNER-UP

2022 SEARCH FOR THE MOST ENVIRONMENT-FRIENDLY BARANGAYS
IN THE PROVINCE OF ISABELA



VILLA CONCEPCION, CAUAYAN CITY
3RD RUNNER-UP

2022 SEARCH FOR THE MOST ENVIRONMENT-FRIENDLY BARANGAYS
IN THE PROVINCE OF ISABELA



SAN JUAN, QUEZON
4TH RUNNER-UP

2022 SEARCH FOR THE MOST ENVIRONMENT-FRIENDLY BARANGAYS
IN THE PROVINCE OF ISABELA