

## ENVIRONMENT AND NATURAL RESOURCES

May MONTH 2023 YEAR

## **Accomplishment Report**

PROGRAM/PROJECT/ACTIVITY	PROJECT DESCRIPTION	STATUS/REMARKS/ ACCOMPLISHMENT
I. FOREST MANAGEMENT AND C	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: 30,237 seedlings to include Agoho, Anchoan Dilaw, African Tulip, Balitbitan, Chest Nut, Golden Shower, Earpod, Ipil, Kamagong, Mahogany, Molave, Narra, Talisay, Tindalo, Rubber Tree, Tuai, Atis, Antipolo, Bignai, Cacao, Calamansi, Mandarin, Duhat, Guyatis, Langka, Lansones, American Lemon, Lemon, Mangga, Passion Fruit, Rambutan, Tamarind, Santol, Pomelo, Satsuma, Verba, Bamboo, Beetle Nut and Tokyang Palm;  Number of seedlings produced: A total of 512 of Forest Tree Seedlings.  The following ISEP-TF Monitoring Checkpoints were also able to produce seedlings, to wit:  Abuan ISEP-TF MC - 1,520 pieces Forest tree seedlings  Disipon TSEP-TF MC - 1,093 pieces Forest tree seedlings  Marana ISEP TF MC - 1,581 pieces Forest tree seedlings  Number of seedlings released: A total of 627 assorted seedlings were disposed to various requesting constituents composed of 105 forest tree seedlings, 362 fruit-bearing tree seedlings and 160 Bamboo Propagules;  Mortality rate at 1.40% equivalent to 433 seedlings was incurred.  Stock balance: 33,883 seedlings as of May 31, 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; seeds and wildlings 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 nor limited to wtershed rehabilitation, agroforestry, 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.	Identification and inspection for the approved developmental projects was already conducted, to wit:  Watershed Rehabilitatation thru Reforestation - Quezon, Jones, Delfin Albano, Cordon, Cabagan, Sta. Maria and Mallig Riparian Development - San Pablo, Echague, Tumauini and San Agustin Beach Forest Rehabilitation - Divilacan and Palanan Mangrove Forest Rehabilitation - Divilacan and Palanan Agroforestry, Urban Greening, Carbon Sink Establishment - Cabagan, San Guillermo, Naguilian, Burgos and Roxas  Also, personnel from this Office conducted inspection and coordination on the additional Mangrove and Beach Forest Rehabilitation Projects at coastal areas.
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.	ENRO and ISEP-TF personnel conducted surveillance and mobile patrolling in the following areas:  -Alinguigan 3rd, Alinguigan 2md, 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;  -Magassi, Masipi East, and Masipi West, Cabagan, Isabela;  -Antagan 1st, Antagan 2nd and Dy-Abra, Tumauini, Isabela;  -Benito Soliven and San Mariano areas;  -Forest region at Jones and San Agustin, Isabela;  -Ilagan-Divilacan Road Rehabilitation Project (IDRRIP)  Also, assisted in the monitoring of Sand and Gravel Extraction Activities.

b. Apprehension/Confiscation	Apprehension/confiscation of illegally cut and transported forest products	For this month, apprehended/confiscated forest products during the conduct of forest protection activities were the following:  May 1, 2023 - 5 pieces (52.67 bd. ft.) Narra Flitches at Brgy. Rang-ayan, City of Ilagan, Isabela  May 8, 2023 - 5 pieces (92.41 bd. ft.) Narra Flitches and Gmelina Flithces at Brgy. Cappu, City of Ilagan, Isabela  May 10, 2023 - 2 pieces (84.58 bd. ft.) Narra Flitches at Brgy. Pasa, City of Ilagan, Isabela  May 12-14, 2023 - 79 pieces (3,034.67 bd. ft.)  Tanguile Lumbers at Brgy. KM 36, IDRRIP, City of Ilagan, Isabela  May 21, 2023 - 27 pieces (2,905.71 bd. ft.) Tanguile Lumbers and Almaciga Round Logs at Brgy. KM 36, IDRRIP, City of Ilagan, Isabela
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. Permaculture Development		Clearing activities within the pathways of the IPDC eco-park and beautification in the presmises of Aleale building is continuously and regularly conducted by the Job Order service providers. Also, some of the ISEP-TF operatives conducted cleaning/removal of water hyacinth invaded the swamp areas of IPDC eco-park.

2. Establishment of Oyster Culture in Divilacan and Palanan, Isabela	Personnel from this Office together with personnel from Provincial Agriculture Office and Bureau of Fisheries and Aquatic Resources Office 02 went to Divilacan and Palanan, Isabela to facilitate the establishment of Oyster Culture Project, a partnership project with BFAR and MLGUs.  The project aims to provide livelihood to the fisherfolk of the coastal municipalities; to promote shellfish farming by introducing culture farming techniques; and to promote and sustain production of quality and safe shellfish products for Isabelenos.  The assigned personnel conducted Hands-on Training and Workshop on the Construction of Oyster Raft and Establishment of Oyster Breeders and Empty Spat Collectors. The activities aims to provide knowledge and skills to the fisherfolks in the production of Oyster in Barangays of Dimasalansan and Bicobian, Divilacan and Brgy. Maligaya, Palanan, Isabela,
2. Seminar/Workshop on Profiling For Biodiversity Conservation and Wildlife Law Enforcement	Personnel of this Office travelled to Tumauini, Isabela to conduct preparation and facilitation activities while at the same time attend the conduct of the Seminar/Workshop on Profiling for Biodiversity Conservation and Wildlife Law Enforcement.  Initiated and organized by the Provincial Government of Isabela thru the Environment and Natural Resources Office on May 25-26, 2023 at Camp Samal, Arcon, Tumauini, Isabela, this seminar aims to provide participants the knowledge and skills necessary to conduct profiling activities on biodiversity conservation and enhancement programs and wildlife law enforcement within the jurisdiction of their respective cities/municipalities in the province of Isabela.  A total of thirty-three (33) City/Municipal ENR Officers and three (3) representatives coming from the different cities/municipalities of Isabela participated in the said seminar.

Subject Matter Experts (SMEs) from DENR-PENRO Isabela, For. Nestor S. Lorenzo, Park Operations Superintendent (POSu) of the Northern Sierra Madre Natural Park (NSMNP) and Ms. Luzviminda U. Rosario, Environmental Management Specialist (EMS) II were invited to share their knowledge and expertise on Biodiversity Conservation and Wildlife Law Enforcement together with Mr. Mario Sotto, the Volunteer Bantay Sanktwaryo of Mabuwaya Foundation, Inc.

The SMEs presented and discussed Republic Act No. 9147 also known as Wildlife Resources Conservation and Protection Act; Inland Wetland Orientation & Information Sheet; Orientation on Urban Biodiversity & Assessment Methods; and Establishment and Habitat Assessment Including Fauna.

After the lectures, an open forum was conducted and the following issues and concerns were raised and addressed as follows:

- CLUP and Zoning Ordinances can form part of the LGU documents for wetlands/inlands and green spaces indicators since the rivers, creeks and green spaces are already included in the CLUP;
- Rapid Assessment of the Biophysical Characteristics of wetlands or green spaces is needed prior to passing of an ordinance declaring an area as conservation area and fullsite assessment shall follow;
- Sample forms for wetland and green spaces assessment shall be emailed to each of the participants;
- Some LGUs have already prepared supporting documents for the new SGLG indicators on wetlands, biodiversity and green spaces such as ordinances, PPAs, maps and others and they were willing to share sample documents as basis of other LGUs in preparing their respective documents; and
- A copy of outputs of LGUs in the inventory of wetlands and green spaces shall be submitted to PGI on for consolidation. These are also needed/required for the SGLG assessment and evaluation.

The participants especially the newly designated MENROs were very grateful for this timely and relevant seminar/workshop as venue for new learnings and capacitation for more exciting challenges the LGUs are facing in implementing ENR devolved functions and enforcement of corresponding laws, policies, rules and regulations.

II. ENVIRONMENTAL MANAGEMENT DIVISION  A. Activities under Provincial Ecology Center		
b. Waste collection and segregation	Weighing of various recyclable, special/hazardous and residual wastes collected from the different offices of the Capitol premises, brought to the ENRO Material Recovery Facility for final segregation and recovery of wastes with potential for diversion.	Wastes were segregated and compiled according to waste composition in kilograms, to wit: Residual-549.2 kgs.; Biodegradable-102.4 kgs.; Plastic Bottles 21.8 kgs.; Paper-39.4 kgs.; Carton-69.9 kgs; Food Waste-8.5 kgs; Bote-9.5 kgs; Hazardous waste-3.6 kgs. and Lata-1.8 kgs. with a total of 806.10 kilograms.
c. Production of Charcoal briquettes	Production of charcoal briquettes out of paper waste to minimize the impact of paper waste	A total of 15.5 kgs. charcoal briquettes was produced for the month of May, 2023.
d.Maintenance works	Maintenance of Provincial Ecology Center, organic vegetable garden and ENR Office surroundings	Job Order service providers were hired to conduct maintenance of Provincial Ecology Center. Activities include brushing, cleaning, planting of vegetables and maintained organic vegetable garden They also established/constructed Perimeter Fencing at the back of ENRO building with the assistance of ISEP-TF operative and Job Order service providers; Established Eco-Composting Receptacles (ECR) Collected compostable wastes from heap needed in the production of soil enhancer/organic fertilizer and potting media for seedlings production; and Assisted in maintaining the cleanliness of the ENRO surroundings.

B. 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.	One of the programs as devolved functions 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.  The following sites were monitored, to wit:
		Roxas Sanitary Landfill Facility-May 10, 2023 The SLF was located at Barangay San Placido, Roxas with an area of 11 hectares and approximately 11 kilometers from the Municipal hall. Findings:  1. There were 3 cells of SLF: the first Cell was vegetated with tall grasses; second Cell was covered with approximately 0.3 meter thick soil; and the third Cell was ready to be utilized; 2. They have rotary composter for biodegradable; three (3) shredder machines for residual wastes; a plastic pulverizer; and a densifier machine for the production of bricks out of plastic but still un- operational; 3. Four (4) garbage trucks were utilized for the collection of wastes; 4. Out of twenty six (26) barangays, thirteen (13) were active in the collection and segregation of solid wastes; 5. The schedule of collection of wastes at Poblacion were conducted twice a day and approximately 6,000 kilograms of wastes were collected per day. On the other hand, every Friday, Saturday and Sunday is the schedule of collection of wastes for the thirteen barangays. About 750 kilograms of wastes were collected per day; 6. They don't have records for recyclable and residual with potential received and biodegradable for composting.

	San Manuel SLF  Monitored and inspected the three (3) hectares SLF, approximately 8 kilometers away from the National Highway. According to Mr. Jeho Sadac, they will start to procure materials needed for the construction of their SLF and initial construction of road leading to the site. Accordingly, everyday they collect mixed wastes and delivered immediately to the SLF of Cauayan City. Their MOA will expire this coming December, 2023.  Recommendations:  1. Implement and enforce RA 9003 Sec. 21 and 22, segregation and collection of wastes;  2. Regular IEC regarding RA 9003 shall be conducted to all households in every barangay.
	Aurora RCA The RCA is located at the back of their Municipal Hall. Accordingly, their RCA was not currently functional since they stored sacks of rice seeds. Everyday was the collection of wastes and delivered to the Sanitary Landfill of Cauayan City. According to MENRO Casiano they don't have available area suited for the construction of their SLF.
C. Healthcare Waste Management	Manuel A Roxas District Hospital- May 11, 2023 Results of the monitoring were as follows:  1. The collection of residual wastes were scheduled every Sunday collected by the Barangay;  2. Hazardous wastes were thrown in their compost pit and recyclable wastes were sold to junkshop;  3. Healthcare wastes such as syringes were placed in plastic bottles (galloon) that are stored in their MRF and collected by the private transporter;  4. They have septic vault for pathological wastes such as placenta and blood;  5. The trash bins outside the hospital were color coded but not properly labelled. While the trashbin inside were not color coded and not properly labelled;  6. All of their wastes were mixed.  Recommendations:  1. The District Hospital needs additional color coded and properly labelled trash bins inside and outside the hospital; and  2. Maintain the cleanliness of the hospital premises.

D. Joint Anti-Smoke Belching Camapign  III. MINERAL RESOURCES MANA	The conduct of anti-smoke belching test of motor vehicles using the opacimeter machine in partnership with the DENR-EMB and DOTR-LTO Regional Office which aims to promote public awreness about air pollution.	Conducted anti-smoke belching campaign on May 26, 2023 at National Highway Brgy. San Pedro, Tumauini, Isabela. A total of twenty five (25) diesel engine vehicles were checked and tested. All the vehicles tested met the opacity standard. Among these vehicles, one vehicle was already checked and tested by the DENR-EMB Region 02 personnel, hence, was issued a Certificate of Compliance last April, 2023.
A. Processing and Issuance of Permits	The ENR Office as the implementing arm of the Provincial Government of Isabela in ENR concerns, is tasked to received and process 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. Through the Provincial Mining Regulatory Board (PMRB), Permit Applications who have passed board deliberation shall be indorsed to the Provincial Governor for his approval	On May 3, 2023, the Provincial Mining Regualtory Board (PMRB) convened where Ten (10) received

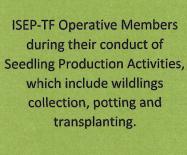
D. Field Monitoring of Quarry Areas		
1. Regular field inspection and monitoring		For this month, continued site inspection, monitoring of compliances to necessary permits and supervision of personnel assigned to various quarry areas were implemented.  Compliance to extraction measures such as extraction in the main river bed, no screening of materials in the main river bed policy and prepayment of quarry taxes and fees were checked at the Municipalities of Tumauini, Cabagan, Sta.  Maria, Delfin Albano, Sta. Maria and San Pablo. 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. Reports of noncompliance were acted. 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 ongoing operations or reported to the Provincial Nursery and conducted nursery activities.
2. Monitoring of extraction activities	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.  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.	For the month of May, a total of 80,087.00 cu.m. were monitored to have been extracted from the different quarry areas in the province. This represents 6,767.00 Earth, 70,928.00 Mixed, 740.00 G1/S1 and 1,652.00 Boulders; and with gross value amounting to Php 2,809,650.00 fees and taxes.  Reports on extractions were accompanied by daily field monitoring reports and delivery receipts.  Also, based on record, a total of Php 1,161,005.75 gross value of fees and taxes was remitted to PTO this month as prepayment to 32,464.86 cu.m. of Boulders, Ordinar Earth, G1S1 and Mixed gravel materials.  Post-payment was also remitted for the monitored extracted aggregates with volume totalling to 22,959.17 cu.m. corresponding to Php 1,046,615.75 taxes and fees.

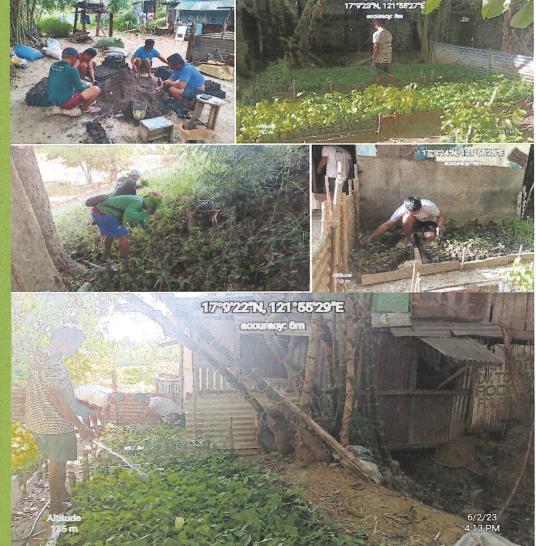
E. Other Related Activities	
1. Attendance/ Participation re Invitataion to Meetings/Dialogues and Request for Technical Assistance Related to Mineral Resources Management	May 10-12, 2023 - In response to letter invitation from Mines and Geosciences Bureau (MGB) R-02, personnel of this Office joined in the conduct of inspection, verification, assessment and inventory of illegal small-scale mining activities at the Municipality of Cordon, Isabela. Result of the activity affirms the presence of ball mills at Barangays San Luis, Caquilingan, Anonang, Camarao and Dallao, Cordon. Out of the 24 ball mills actual inventoried, 5 were operating during the inspection which confirms the presence of illegal small-scale mining activity in the area.  May 24, 2023 - As a follow-up to the above activity led by the MGB R02, personnel of this office joined in the conduct issuance of Cease and Desist Order to operators of ball mills. A meeting was conducted together with representatives of LGU prior to the activity, and as a result, the issuance was deferred as the LGU requested to.
IV. OTHER PROGRAM/PROJECT/ACTIVITY	
1. Meetings, Seminars, Trainings and Workshops Attended	May 1-4, 2023 - Personnel of this office attended and served as one of the Resource Persons to the Divilacan Youth Congress with the theme: "Engaging the Youth in Nation Building and Environmental Conservation" held at Lanai Marine Turtle Sanctuary, Barangay Bicobian, Divilacan, Isabela. The youth congress was also aimed as a part of the celebration of 2023 Month of the Ocean, considering the Divilacan, Isabela is one of the coastal municipalities of Isabela endowed with rich marine biodiversity and resources.  This office presented the different environment conservation PPAs of the province, such as the Rehabilitation of Watersheds, Riparian, Mangrove and Beach Forests; highlighting the Reforestation Target Action: One Million Trees in One Day Planting Program, sharing to them the role played by the youth in the implementation, leading to the success of the program. Ending the sharing was the challenge given to the youth of Divilacan of how they shall influence their fellow youth to actively participate in the conservation programs of their LGU.

IV. OTHER PROGRAM/PROJECT/ACTIVITY	
	May 2-16, 2023 - Attended the Leadership & Management Development Course (LMDC) at CSC Batasan, Quezon City
	May 3, 2023 - Attended the 2nd International Conference for Climate Change Adaptation (CCA) & Disaster Risk Reduction Management (DRRM) a Bangkok, Thailand
3. Meetings, Seminars, Trainings and	May 3, 2023 - Attended PMRB Meeting at ENRO, Capitol Compound, City of Ilagan, Isabela
Workshops Attended	May 10, 2023 - Attended MRFC Meeting of the Dinapigue Mining Corp at Zen Hotel, Santiago City Isabela
	May 20, 2023 - Attended Planning Workshop for the Preparation of Site Management Plan of Dunoy Lake at San Mariano, Isabela
	May 25-27, 2023 - Attended Workshop for the Updating of FSNP Management Plan at Piazza Zicarelli, Gamu, Isabela
CONSOLIDATED BY:	
Adr	IVY M. SATAN ministrative Assistant I
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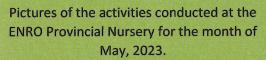
Photos taken during the apprehension of mostly abandoned illegally-harvested forest products as a result of regular conduct of forest law enforcement activities for the month of May, 2023.

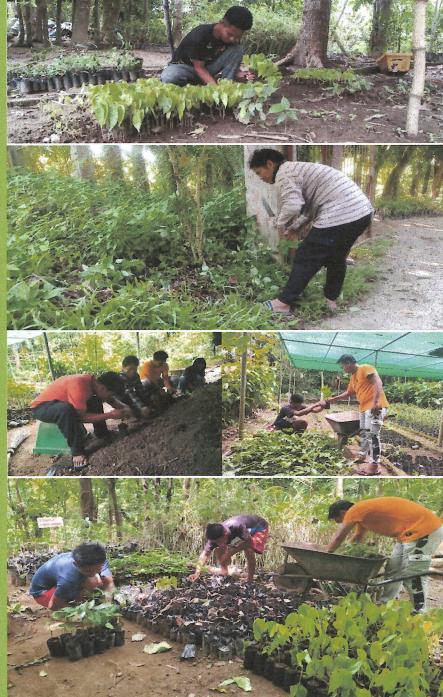






Pictures taken during the Establishment of Oyster Culture Project at Brgy. Dimasalansan, Divilacan, Isabela.



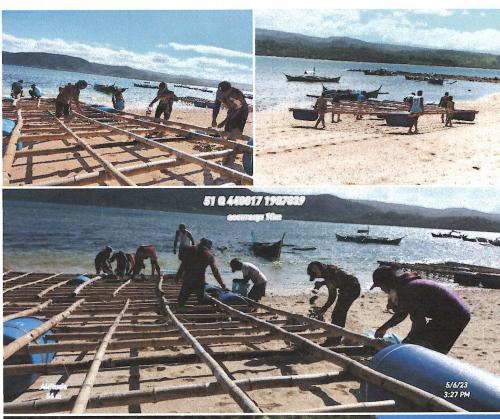






Pictures taken during the Establishment of Oyster Culture Project at Brgy. Maligaya, Palanan, Isabela.





Pictures taken during the
Establishment of Oyster Culture
Project at Brgy. Bicobian,
Divilacan, Isabela.



Photos taken during the conduct of Joint Anti-smoke Belching activities



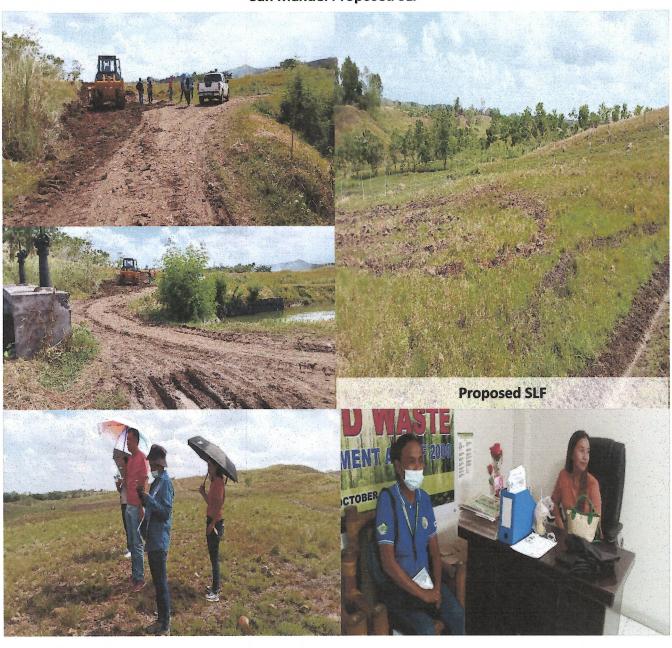
Monitoring of Sanitary Landfill Facility (SLF) & Residual Containment Area (RCA)



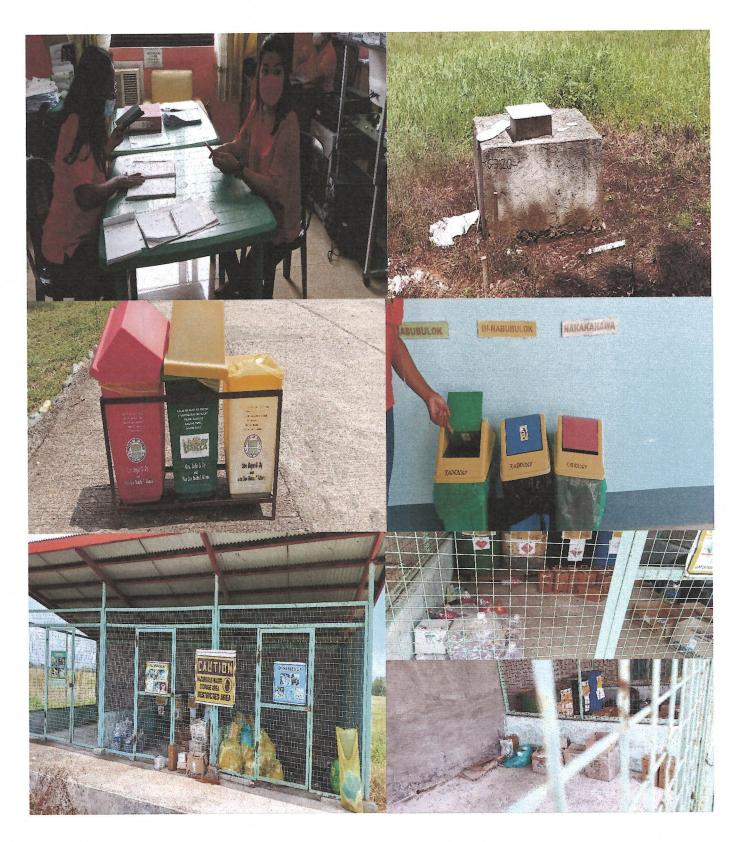
## **Aurora RCA**



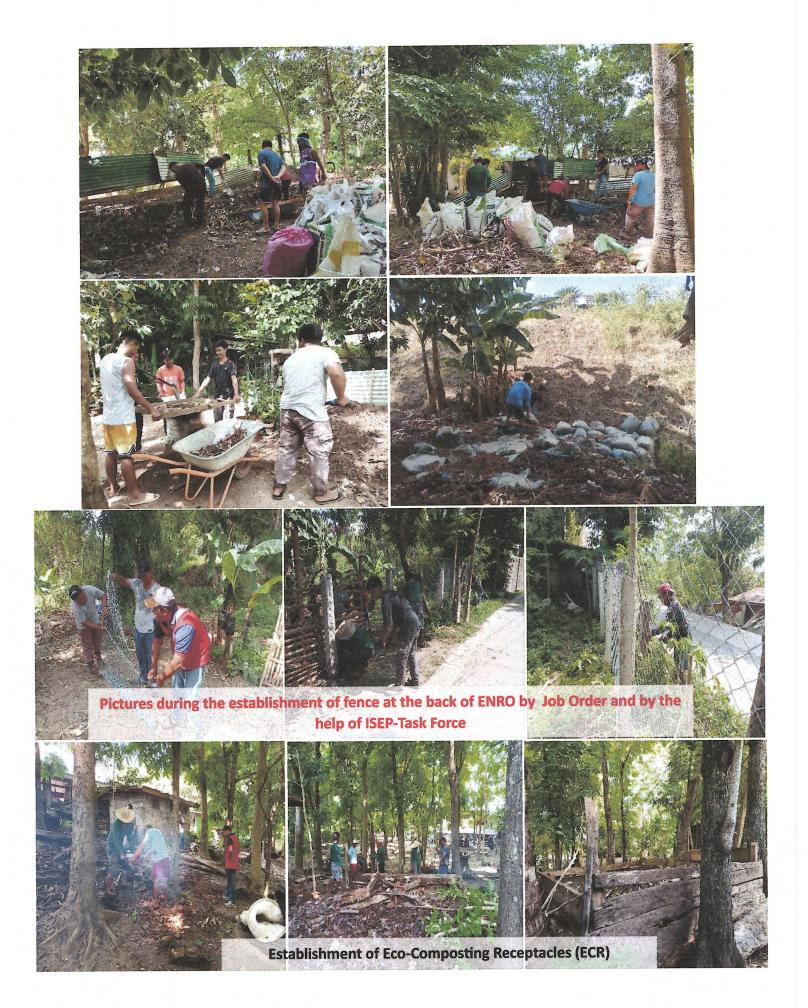
San Manuel Proposed SLF



Manuel A. Roxas District Hospital

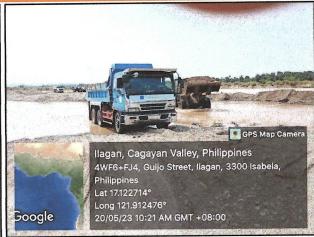






## Some of the photos daily submitted by ISEP-TF Operative Members assigned at the different quarry areas in the Province for the month of May, 2023.

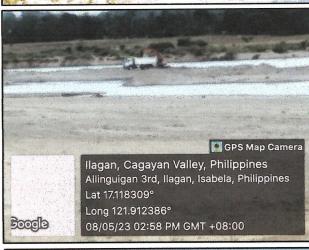








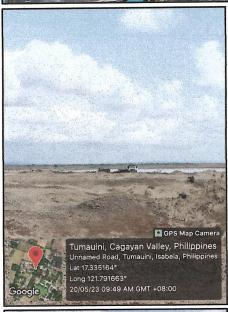








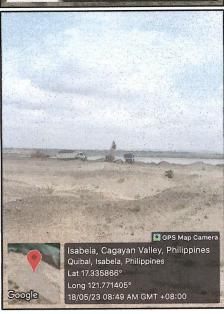














Some of the photos taken during conduct of inspection, verification and assessment on the presence of small-scale mining activities at Cordon, Isabela on May 10-12, 2023.

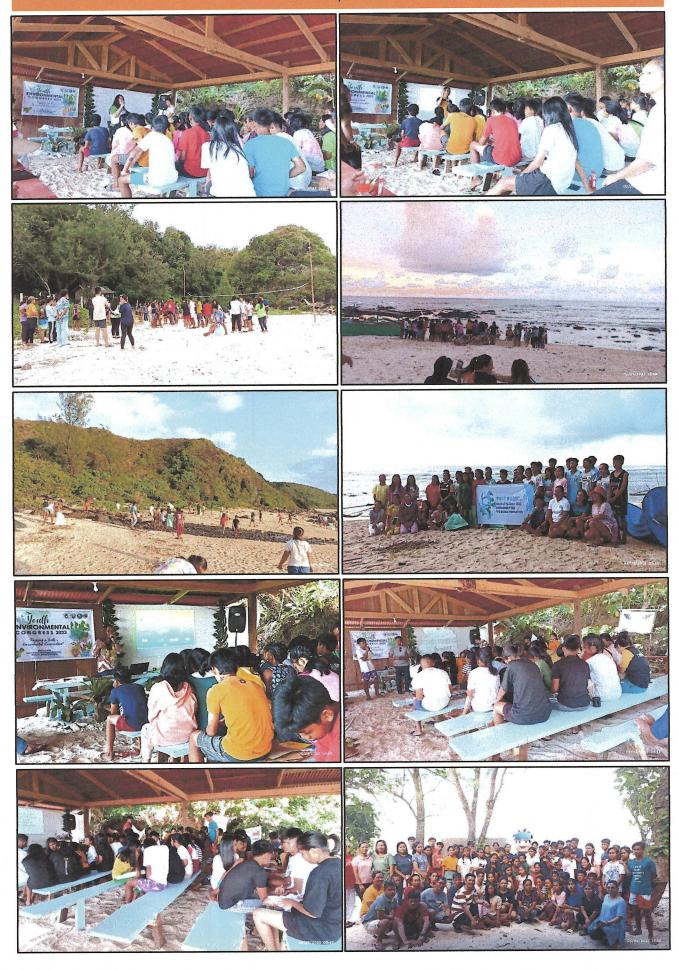


Some of the photos taken during the meeting with the LGU prior to the supposed issuance of Cease and Desist Order at Cordon, Isabela on May 24, 2023





Some of the photos taken during the Divilacan Youth Congress held last May 1-4, 2023 at Lanai, Bicobian, Divilacan, Isabela.

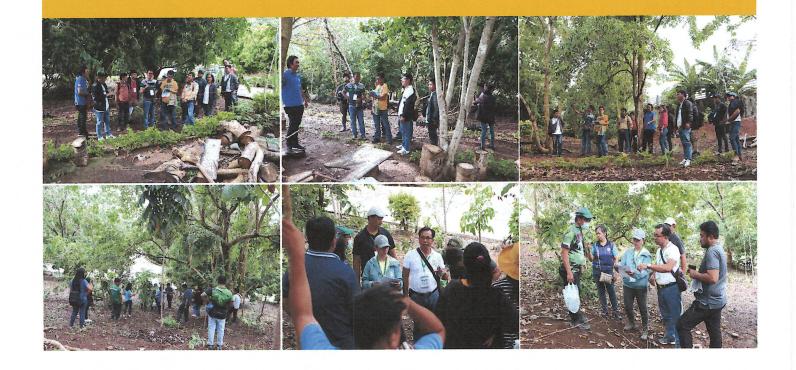


Some photos taken during the conduct of Planning Workshop in the Updating of the FSNP Management Plan on May 25-27, 2023 held at Piazza Zicarelli, Upi, Gamu, Isabela





Seminar/Workshop on Profiling For Biodiversity Conservation and Wildlife Law Enforcement held at Camp Samal, Arcon, Tumaiuni, Isabela on May 25-26, 2023.







Seminar/Workshop on Profiling For Biodiversity Conservation and Wildlife Law Enforcement held at Camp Samal, Arcon, Tumaiuni, Isabela on May 25-26, 2023.

