

ENVIRONMENT AND NATURAL RESOURCES OFFICE

December

MONTH

2024

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 seedlings stock and disposition of seedlings	Beginning balance: 29,615 seedlings to include Agoho, Balitbitan,Golden Shower, Ipil, Kamagong, Rain Tree, Mahogany, Narra, Talisay, Tindalo, Tuai, Antipolo, Bignai, Cacao, Calamansi, Citrus/Mandarin, Guyatis, Langka, Lansones, Kape, Mangga, Mangosteen, Pomelo, Rambutan, Tamarind, Santol, Satsuma, Bamboo, Coconut, and Palm; Number of seedlings produced: 505 seedlings consist of 450 forest trees and 55 fruit bearing trees. Number of seedlings released: A total of 1,940 assorted seedlings were disposed to various requesting constituents. Mortality rate: The mortality rate stands at 0.80%, resulting in 243 seedlings lost. This month, a total of 16 seedling requests were received, all of which were distributed to various public and private entities, including two (2) requests carried over from last month. Stock balance: 27,937 seedlings as of December 31, 2024.
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	Six workers were hired through a Job Order Contract and were supervised and guided by ENRO technical personnel. Regular maintenance activities at the nursery includes enhancing seedling beds, potting soil for seeds, collecting seeds and wildlings, transplanting, sorting seedlings, and watering plants.

2. Climate Change Mitigation/ Adaptation and DRRM Initiatives	Implementation of forest rehabilitation and other greening efforts such as but not limited to watershed rehabilitation, agroforestry/urban greening, riparian rehabilitation & development, mangrove & beach forests rehabilitation 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.	Agroforestry Project - 2-hectare agroforestry project was established in Villa Miguel, Quirino, Isabela. The ENR Office provided 800 seedlings as its counterpart for the project. Upon inspection, it was noted that all seedlings had been successfully planted. To ensure the project's sustainability, it is recommended that the MENRO and its staff shall conduct monthly site inspections and undertake maintenance activities. Additionally, constructing tree guards for each seedling is advised to protect them from stray animals. - 4.5-hectare agroforestry project was implemented in Capirpiriwan, Cordon, with 1,800 seedlings and 15 sacks organic fertilizer supplied by the ENR Office as counterpart contribution. The seedlings were planted by different stakeholders in Cordon, Isabela Watershed Rehabilitation Project - 2-hectare watershed rehabilitation project was established in Villa Miguel, Quirino, Isabela. The ENR Office contributed 2,224 seedlings for the initiative. Inspection revealed that all seedlings had been planted successfully. To sustain the project, monthly inspections and regular maintenance activities by the MENRO and its staff are recommended. Furthermore, constructing tree guards for each planted seedling is suggested to safeguard them from stray animals.
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 2nd, Malalam, Fuyo, San Ignacio, San Juan, Capellan, Batong Labang, San Lorenzo, Bintacan, Cabisera 8, Cabisera 14-15, Cabisera 22, Sitio Lagis, Sindon Bayabo, and other forest barangays of City of Ilagan, Isabela; -San Vicente/Tupa, San Pablo, Isabela; -Magassi, Masipi East, and Masipi West, Cabagan, Isabela; -Antagan, Cumabao, Dy-Abra, Tumauini, Isabela; -Benito Soliven and San Mariano areas; -Jones and San Agustin areas; -Ilagan-Divilacan Road Rehabilitation Project (IDRRIP)
b. Apprehension/Confiscation	Apprehension/confiscation of illegally cut and transported forest products	For this month, the following were the apprehended/confiscated forest products during the conduct of forest protection activities, to wit: December 12-13, 2024: 8 pieces, (734 bd.ft) of Supa Flitches; and 5 pieces, (553.22 bd.ft.) of Red and White lauan Roundlogs at Ilagan Divilacan Road. December 22, 2024: 16 pieces, (170.67 bd.ft) of Dita Lumber; 7 pieces, (93.33 bd.ft) of Narra Lumber; 115 pieces, (1,190 bd.ft) of Red and White Lumber at Nanaguan, City of Ilagan.

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 consistently carried out monitoring and supervision activities in the IDRRIP reforestation areas. Based on observation, the maintenance activities is continuously being conducted by the contractor. In addition on December 26-27, 2024, a joint team composed of representative from the DENR-PENRO, DENR-CENRO Naguilian and PGI-ENRO conducted an inspection of the contractors accomplishment to the 300-hectare reforestation project located along the vicinities of Ilagan-Divilacan Road (IDR). Inspection Results: The following observation were noted during the inspection: 1.Planted Seedlings: • Various indigenous tree species, including Narr Ipil, Tindalo, Molave, Red Lauan, White Lauan, Cupang, Dao, Apitong, Kamagong, Mayapis, Yakal, Tuai, and Kalumpit, were successfully planted across the project area. • The growing stages of the seedling were observed to be healthy and progressing well since the project commencement this year. 2.Installed Signage's and Markers: • Eleven (11) signage's and forty (40) pole marked were installed with the reforestation area. 3.Maintenance Activities: • Maintenance activities such as strip brushing, rimplemented. • A nursery stocked with additional seedlings wells observed, prepared for replacing any mortality. Conclusion: The inspection concluded that the first-year maintenance activities were effectively implemented, ensuring the healthy growth of the planted seedlings and the sustainability of the reforestation project.
C. Wildlife Conservation Initiatives		

a. 'Wildlife Enforcement Officers (WEOs) Monthly Accomplishment Report	The following were the activities conducted by the deputized WEOs for the month of December, to wit: 1. Regular conduct of surveillance and foot patrolling province wide in the protected areas of Sierra Madre Natural Park (NSMNP), to ensure the protection and conservation of wildlife resources and to lessen the illegal activities includes hunting, poaching, and trading of wildlife species in the province. 2. Conducted wildlife biodiversity monitoring in the following areas: Ilagan-Divilacan Road Rehabilitation Proje (IDRRIP), Sitio Trailer Km. 21, Sitio Lagis Km. 18, Sitio Disipon Km. 17, and Sitio Solimanan Barangay Sindon Bayabo, City of Ilagan, Isabela Sitio Bigao and Sitio Bandera and Baranga Minanga, San Mariano, Isabela 3. The WEOs conducted brief Information Education Campaign (IEC) on the group of aetas passing during the wildlife biodiversity monitoring to informed and educate them concerning Republic Act 9147, also known as the Wildlife Resources Conservation and Protection Act, on July 30, 2001. 4. During the biodiversity and wildlife field monitoring, the WEOs track down different hunting traps within the reforestation area located at Brgy. Sindun Bayabo, City of Ilagan. As observed, the recovered traps were designed for hunting wild pigs. Therefore, the WEOs immediately removed the said traps after the documentations.
D. Other Related Activities	
1. Hauling of Seedlings	On December 6, 2024, personnel from this office transported seedlings from Diadi, Nueva Vizcaya, to the Isabela Provincial Nursery. Prior to loading, ENRO staff conducted an inspection to assess the seedlings' durability and ensure they met the required height specifications.
2. Tumauini Watershed Natural Park Protected Area Management Board 4th Quarter En Banc Meeting	This Office, through its personnel, participated in the TWNP PAMB-TWG Meeting held on December 16, 2024, at DENR-CENRO Cansan, Cabagan, Isabela. The following topics were discussed and presented during the meeting: -Ecotourism Management Plan of Tumauini Watershed Natural Park (TWNP); -TWNP Work Financial Plan for CY 2025; -TWNP Biodiversity-friendly Enterprise Association Income; -Rehabilitation Plan of NIA-TRMP; and -5-Year Communication Plan.

3. Maintenance of Isabela Provincial Eco-Park	Maintenance of 3.3 hectares Isabela Provincial Eco-Park (IPEP) to include the Permaculture Building.	The Job Order service providers consistently and routinely perform housekeeping, landscaping, beautification, herbal garden maintenance, composting, tree park maintenance, and pathway upkeep activities at the Isabela Provincial Eco-Park.
6. Isabela Rattan Processing Shared Service Facility Activities		The Job Order service providers at IRPSSF undertook the following activities: •Inventory of Rattan sticks, utilized as raw materials in the facility. •Removed undesirable species of weeds within the vicinity of Rattan facility •Conducted tree planting activities and also applied organic fertilizer to the planted various species of seedlings in the vicinity of the Rattan facility. •Maintained the cleanliness and orderliness of the facility. •Conducted an inventory of equipment.
II. ENVIRONMENTAL MANAGEM	ENT DIVISION	
A. Vermicomposting Facility	Production of Organic Fertilizer thru Vermicomposting	This month, 4,990 kgs. were produced, with a remaining stock balance of 26,741 kgs. as of December 31, 2024. As per records, a total of 2,700 kilograms of organic fertilizer was disposed to ten (10) private individuals requested for the improvement of soil fertility of their backyard garden, three (3) ISEP-TF Monitoring Checkpoints (Disipon, Marana and Abuan, City of Ilagan, Isabela) for seedling productions, rattan facility and ENR Office for organic vegetable garden. Also, substrates for the production of organic fertilizer, such as compostable waste from heaps, dried grasses, banana stalks, animal manure, and assorted market wastes, were collected.

Summary of Waste Collected within the Capitol Compound: 1.Recyclable Waste •Total Collected: 360.137 kilograms •Disposed to: ENRO Materials Recovery Facility (MRF). 2.Residual Waste •Total Collected: 1,638.32 kilograms •Disposed to: City of Ilagan Sanitary Landfill Facility (SLF) 3.Hazardous •Total Collected: 419.048 kilograms •Disposed to: ENRO Materials Recovery Facility (MRF) 4.Biodegradable Waste •Total Collected: 2,446.84 kilograms Disposed to: ENRO Compost Heap and Vermi Refers to Executive Order No. 28, composting series of 2024, directing all offices and hospitals under the Provincial TOTAL: 4,864.35 kilograms Government of Isabela to implement ecological solid waste Summary of Waste Disposal to Provincially management and waste segregation Operated Hospital B. Collection and Segregation of within their respective areas, and in Recyclable Waste Waste at the Materials Recovery line with Memorandum No. 13. **Facility** •Total Collected: 2,320.20 kilograms series of 2024, mandating •Disposed to: Materials Recovery Facility (MRF) compliance with the Ecological 2.Residual Waste Solid Waste Management Act of •Total Collected: 3,356.51 kilograms 2000 (RA 9003) for the proper •Disposed to: Sanitary Landfill Facility (SLF). segregation of garbage, trash, and 3. Hazardous/Infectious Waste waste materials. •Total Collected: 2,781.22 kilograms •Disposed to: Materials Recovery Facility (MRF) 4.Biodegradable Waste •Total Collected: 2,840.02 kilograms •Disposed to: Compost Heap/Managed by the LGU TOTAL: 11,297.95 kilograms GRAND TOTAL: 16,149.29 kilograms As part of the Environment and Natural Resources Office (ENRO) initiative to enforce solid waste management practices of different offices, departments and establishments within the Capitol Compound. On December 19, the team briefly inspected the Lingap Center, Provincial Veterinary Office and Coastal Extension Offices to ensure the full compliance with E.O No. 28 and Memorandum No. 13, Series of 2024. On December 12, 2024, the Joint Provincial/City/Municipal Solid Waste Management Board conducted its Fourth Quarter Meeting to address environmental challenges and promote sustainable waste management practices. The C. Provincial/ City/ Municipal Solid meeting was held at PDRRMC Operations Center, Waste Management Board Capitol Compound, City of Ilagan, Isabela. The agenda focused on compliance with RA 11898, also known as the Extended Producer Responsibility (EPR) Act of 2022, and Disaster Waste Management.

D. Joint Anti-Smoke Belching Campaign	The anti-smoke belching test of motor vehicles using the opacimeter machine is conducted to promote public awareness on air pollution. This is in partnership with the DENR-EMB and DOTR-LTO Regional Office.	Through the Programs, Projects, and Activities (PPA's) of the Environment and Natural Resources Office (ENRO), and in support of the Philippine Clean Air Act of 1999 (Republic Act No. 8749) for the general welfare of the people, the undersigned personnel conducted a Joint Anti-Smoke Belching Campaign at Barangay Napaccu Grande, Reina Mercedes, Isabela. The ENR Office team spearheaded this campaign, joint with the committed Land Transportation Office (LTO)-Cauayan Suboffice personnel, Municipality of Reina Mercedes-Environment and Natural Resources Office (MENRO), and its other LGU component office personnel. Upon inspection, emissions were measured with an opacimeter procured by the province, and standard parameters were followed according to the guideline set by the Department of Environment and Natural Resources-Environmental Management Bureau Region 02 (DENR-EMB R02), DAO 2015-04, which was based on the vehicle's year model upon testing. Even though a representative from DENR-EMB R02 was absent, the campaign proceeded with the effort collaboration of the technical team of the ENR Office, with the assistance of LGU Reina Mercedes on the campaign inspection. The LTO Head, Mr. Deo M. Salud, and the LTO Team Leader, Mr. Rolly D. Malubay, and their team stepped up on enforcement. A total of 31 vehicles, ranging from small to large capacity, were inspected during the activity. Ten (10) failed the emission test, and the LTO issued citation tickets and penalized them. Overall, the coordination demonstrated by the joint force of government agencies made the anti-smoke belching campaign inspection easy, ensuring the government's dedication to preserving and improving the air quality for current and future generations.
E. Other Related Activities		
1. Production of Green Charcoal	Production of charcoal briquettes out of paper waste to minimize the impact of paper waste	Produced a total of 15 kgs . charcoal briquettes for this month.
2. 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 sorroundings.

3. 2024 Search For the Most Environemental-Friendly Barangays		December 19-20, 2024- The ENR Office personnel conducted final field validation of the winners for the 2024 Search for the Most Environment-Friendly Barangays in the municipalities of San Guillermo, Jones, Quirino, Burgos, and Aurora, Isabela. The team monitors the sustainability of the barangay in the implementation of RA 9003. The team was assisted by MENROs, the barangay captain, and officials by going around every purok of the barangay. They checked their compliance on proper garbage disposal by having appropriate and duly marked Garbage Bins, Material Recovery Facility, Communal Garden, Clean and Green Signages, and other paraphernalia necessary on the search. Nevertheless, all barangays presented their certificates of recognition and plaques of appreciation, proving that they are environmental advocates.
4. Technical Assistance		December 13, 2024- For. Phoebe T. Legawen discussed Disaster Waste Management on the Seminar/Orientation on Ecological Waste Management Act of 2000 and other Environmental Laws as per request of Hon. Vilmer B. Bravo, Mayor, San Isidro, Isabela held at the SB Session Hall, Municipal Building, San Isidro, Isabela
III. MINERAL RESOURCES MANA	GEMENT DIVISION	
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 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.	For the month of December, no application for Commercial Sand and Gravel (CSAG) Permit was received by this office.
B. Site Verification and Inspection of Mining/Quarry Sites	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.	For this month, no site verification and inspection of applied areas was conducted.
C. Accreditation of Haulers	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	For this month, no application for Accredition Permit was received.

D. Field Monitoring of Quarry Areas		
Regular field inspection and monitoring	This activity is in line with the implementation of Provincial Ordinance No. 5, series of 2014, to	Simultaneous with the compliance checking of Accreditation Permit conducted by the ISEP-TF Operative members, personnel of this Office also have its regular field inspection and monitoring. Activities include inspection of random vehicles transporting sand and gravel materials, supervising assigned personnel in the quarry areas, monitoring implementation of extraction policies such as "No Prepayment, No Extraction", extraction in the main river bed, and no screening of materials in the extraction site policy. For this month, extraction activities in almost all quarry areas in the province were halted due to the rise of riverwater. Personnel assigned in areas were there are no operation, reported to the Office and assisted in various activities at the Provincial Nursery.
2. Monitoring of extraction activities	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 December, forty-six (46) quarry areas have been monitored with extraction activities in the province with a total of 32,861.00 cu.m. of sand and gravel and other quarry resources extracted. This represents 26,843.00 cu.m. Mixed, and 6,018.00 cu.m. Boulders; and with gross value amounting to Php 1,270,495.00 fees and taxes. Reports on extractions were accompanied by daily field monitoring reports and delivery receipts. Also, based on record, a total of Php 1,826,048.95 gross value of fees and taxes was remitted to PTO this month as prepayment to 43,627.61 cu.m. representing 16,951.14 Boulders, 4,639.81 cu.m. G1/S1, 4,769.00 cu.m Mixed gravel, and 17,267.66 cu.m. Ordinary Earth materials. Post-payment was also remitted for the monitored aggregates with volume totalling to 494.00 cu.m. of boulders and mixed gravel materials corresponding to Php 17,570.00 taxes and fees.

IV. OTHER PROGRAM/PROJECT	ACTIVITY	
1. Meetings, Seminars, Trainings and Workshops Attended		December 2-7, 2024- Attended 4th Quarter Multi-Partite Monitoring Team (MMT) field validation of Dinapigue Mning Corporation at Dinapigue, Isabela. December 9, 2024- Attended 4th Quarter Regional Management Conference at The Andrea Hotel, Cauayan City, Isabela. December 17-18, 2024- Attended Legislative Budget Deliberation of the proposed PGI FY 2025 Annual Budget at Metro Manila. December 17-18, 2024- Attended GAD Analysis Utilizing at the Blue Room, Capitol Compound, City of Ilagan, Isabela. December 19, 2024- Attended Public Hearing on the Proposed Water Classification of Bintacan River at Brgy. Batong Labang, City of Ilagan, Isabela. December 19, 2024- Provincial Micro, Small & Medium Enterprises Development Council Meeting at the Blue Room, Capitol Compound, City of Ilagan, Isabela. December 20, 2024- Attended 14th PSC-Isabela Regular Business Meeting at the Blue Room, Capitol Compound, City of Ilagan, Isabela. December 26, 2024- Attended Mine Rehabilitation Fund Committee (MRFC) Meeting for the review and approval of the proposed 2025 Annual Environmental Protection and Enhancement Program (AEPEP) of Dinapigue Mining Corporation at Zen Hotel, Santiago City, Isabela.
PPREPARED BY:		
(SGD.) JESSA C. RIVEI	<u>RO</u>	(SGD.) IVY M. GATAN
Community Development Assistant II Administrative Assistant I		
CERTIFIED CORRECT:		
(SGD.) GERONIMO P. CABACCAN, JR. Environment and Natural Resources Officer		
Environment and inatural Resources Officer		

Photos of activities conducted at the Provincial Clonal Nursery for the month of December, 2024



Photos of activities on the Maintenance, Care, and Protection at the Isabela Provincial Eco- Park for the month of December, 2024



Photos of monitoring and inspection at Ilagan-Divilacan Road Reforestation Project on December 26-27, 2024















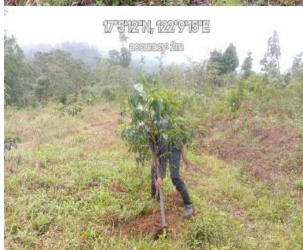


















Photos of the Reforestation Project Areas



Photos of the 100-hectare Coconut Plantation 17°654"N, 122°258"E 17/05570, 122/25713

Photos taken during the Maintenance Activities of 100 Hectare Coconut Plantation



Soil Enhancer Production for the month of December, 2024



Production of Green Charcoal Briquettes for the month of December, 2024



Joint Provincial/City/Municipal Ecological Solid Waste Management (P/C/M ESWM) Boards 4^{th} Quarter Meeting



Photo documentation taken during the Joint Anti-Smoke Belching Campaign and vehicle inspections in Barangay Napaccu Grande, Reina Mercedes, Isabela





Dessimination of tasks for the operation of the Anti-Smoke Belching Campaign and filling up of the attendance sheet.





Halting of utility vehicles by deputized LTO personnel for emission testing.









The Opacimeter setup process, including the start-up, insertion of the probe, reading emission levels through controlled pedaling, and printing out the test results.



Filling out forms and recording drivers' personal information along with the results of the opacimeter testing.



Issuing penalty tickets to drivers whose emission test results did not meet the standard values.



A final group photo was captured to signify the successful conduct of the Anti-Smoke Belching Campaign and inspection.

These photos taken during the conduct of final field validation of the winner for the 2024 Search for the Most Environment Friendly Barangays



Seminar/Orientation on Ecological Waste Management Act of 2000 and other Environmental Law at San Isidro, Isabela on December 13, 2024









Some of the photos daily submitted by ISEP-TF Operative Members assigned at the different quarry areas, and those taken during the conduct of regular field inspection and monitoring in the province for the month of December, 2024.



























ISEP-TF Operative members assigned at areas with no operation reported to this Office and assisted in the maintenance activities at the Provincial Nursery.

