ENVIRONMENT AND NATURAL RESOURCES		S OFFICE	September MONTH	
			2024 YEAR	
PROGRAM/PROJECT/ACTIVITY		PROJECT DESCRIPTION	STATUS/REMARKS/ ACCOMPLISHMENT	
I. FOREST MANAGEMENT AND CO		ONSERVATION DIVISION		
A. Forest Resource Activities:	es Development			
1. Nursery Operati Maintenance Worl				
a. Production/Propa Disposition of seedl	0	Production, propagation and procurement of seedlings stock and disposition of seedlings	Agoho, Ancho Chest Nut, G Tree, Rain Tr Talisay, Tind Cacao, Calama Langka, Lanso Fruit, Pomel Satsuma, Verb Tokyang Palma Number of se trees. Number of se assorted seed requesting com Mortality rate: resulting in 243 This month, requests were distributed to while the rema	eedlings produced: 200 fruit bearing eedlings released: A total of 4,340 llings were disposed to various
b. Maintenance wor	ks	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	and were supe personnel. Re nursery includ soil for seed	ere hired through a Job Order Contract rvised and guided by ENRO technical gular maintenance activities at the les enhancing seedling beds, potting ls, collecting seeds and wildlings, 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.

Riparian Rehabilitation & Development Project

• 1-km riparian was rehabilitated at Cabisera 07, City of Ilagan, Isabela in partnership with Barangay Local Government Unit. A total of 1,000 bamboo propagules (2x2 spacing at 2-strips) was planted by Barangay officials and other volunteers.

•7-km riparian is currently being rehabilitated at Rang-ayan, City of Ilagan, Isabela in partnership with Barangay Local Government Unit. A total of 1,500 bamboo propagules was provided to the BLGU. As of September, a total of 500 bamboo propagules were planted (7mx7m spacing, single strip) by Barangay officials and other volunteers. Remaining propagules shall be planted by the same in October. •1-km

riparian is was rehabilitated along different creeks of Quirino, Isabela in partnership with the Municipal Local Government Unit of Quirino. A total of 1,000 bamboo propagules was provided and planted (2x2m spacing at 2-strips) by MLGU personnel and other volunteers. As of September, a total of 500 bamboo propagules were planted (7mx7m spacing, single strip) by Barangay officials and other volunteers. Remaining propagules shall be planted by the same in October.

Agroforestry Project

 One hectare agroforestry project was implemented at Brgy. Linglingay, City of Ilagan, Isabela in partnership with Municipal Local Government Unit of Gamu. A total of 400 assorted fruit-tree and forest tree seedlings was planted by personnel from MLGU and diffent agencies

· Five-hectare agroforestry project was implemented at Brgy. Simanu, San Pablo, Isabela in partnership with DOLE-TUPAD beneficiaries. A total of 2,034 assorted fruit and forest tree seedlings was planted the beneficiaries. by Two-hectare agroforestry project is being implemented at Brgy. Villa Miguel, Quirino, Isabela in partnership with the Municipal Local Government Unit of Quirino. A total of 800 assorted fruit and forest tree seedlings was provided to the MLGU. As of reporting period 60% of the seedlings were already planted. Two-hectare agroforestry project is being implemented at Brgy. Carmencita, Delfin Albano, Isabela in partnership with the Municipal Local Government Unit of Delfin Albano. A total of 800 assorted fruit and forest tree seedlings was provided to the MLGU. As of reporting period 50% of the seedlings were already planted.

Watershed Rehabilitation Project

• Two-hectare watershed rehabilitation project is being implemented at Brgy. Villa Miguel, Quirino, Isabela in partnership with the Municipal Local Government Unit of Quirino. A total of 2,224 assorted fruit and forest tree seedlings was provided to the MLGU. As of reporting period 60% of the seedlings were already planted.

B. Forest Protection and Law		• Five-hectare watershed rehabilitation project is being implemented at Brgy. Carmencita, Delfin Albano, Isabela in partnership with the Municipal Local Government Unit of Delfin Albano. A total of 3,000 assorted fruit and forest tree seedlings was initially provided to the MLGU. As of reporting period 50% of the seedlings were already planted.
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; -Ilagan-Divilacan Road Rehabilitation Project (IDRRIP)
b. Apprehension/Confiscation	Apprehension/confiscation of illegally cut and transported forest products	No forest products were apprehended or confiscated this month.
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 maintenance activities in the IDRRIP reforestation areas. Also, personnel from this office conducted a site visit and also monitored the planted seedliings of the three reforestation projects that were located at So. Disipon, So. Lagis, and So. Trailer, Ilagan Divilacan Road (IDR), Sindon Bayabo, City of Ilagan, Isabela on September 24-25, 2024. Based on observations, some seedlings planted at So. Disipon, So. Lagis, and So. Trailer such as Molave had grown well in the area while other planted seedlings planted have stunded growth which can be attributed to the quality of soil in the area that may not be suitable to other forest tree species.

D. Other Related Activities		
1. Inspection of Completed Dredging Project Proposed for Bamboo Planting		This Office, through its personnel, conducted an inspection of the completed dredging projects located in the municipalities of Roxas, Quezon, Quirino, San Isidro, Cauayan City, Reina Mercedes, Luna and Cabagan, Isabela. The primary focus of this activity was to identify areas within the dredged sites suitable for bamboo planting activities. A total of 13 areas across these municipalities were inspected, covering an actual dredging length of 4,040 meters. It was observed that some portions of these areas are feasible for bamboo planting activities.
2. Inspection of Seedlings for the 300- Hectare Reforestation Project		On September 3-5, 2024, personnel from this Office conducted monitoring of site preparation activities and work accomplishments of the contractor regarding the implementation of 300-hectare reforestation project located at Sitio Solimanan, Brgy. Sindon Bayabo, City of Ilagan, Isabela. The reforestation project is progressing smoothly, according to the team's assessment of the contractor's completed work.
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.
4. 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 MANAGEMENT DIVISION			
A. Vermicomposting Facility	Production of Organic Fertilizer thru Vermicomposting	For this month, a total of 1,520 kgs . were produced with a remaining stock balance of 27,551 kgs . as of September 31, 2024. As per records, a total of 3,300 kgs . of organic fertilizer was disposed to one (1) Private individual requested for the improvement of soil fertility of his backyard garden, two (2) Municipal Local Government Units for their tree planting implementation, three (3) ISEP-TF Monitoring Checkpoints (Disipon, Marana and Abuan, City of Ilagan, Isabela) for seedling productions, and for ENRO organic vegetable garden. Also, the collection of substrates in the production of organic fertilizer like collected compostable wastes from heaps, dried grasses, banana stalks, animal manure, and assorted tree leaves were undertaken.	
B. Collection and Segregation of Waste at the Materials Recovery Facility	Refers to Executive Order No. 28, series of 2024, directing all offices and hospitals under the Provincial Government of Isabela to implement ecological solid waste management and waste segregation within their respective areas, and in line with Memorandum No. 13, series of 2024, mandating compliance with the Ecological Solid Waste Management Act of 2000 (RA 9003) for the proper segregation of garbage, trash, and waste materials.	Summary of Waste Collected within the Capitol Compound: 1.Recyclable Waste •Total Collected: 357.09 kilograms •Disposed to: ENRO Materials Recovery Facility (MRF) 2.Residual Waste •Total Collected: 1,587.25 kilograms •Disposed to: City of Ilagan Sanitary Landfill Facility (SLF) 3.Hazardous •Total Collected: 24.75 kilograms •Disposed to: ENRO Materials Recovery Facility (MRF) 4.Biodegradable Waste •Total Collected: 2,697.95 kilograms •Disposed to: ENRO Compost Heap and Vermi composting TOTAL: 4,667.04 kilograms Summary of Waste Disposal to Provincially Operated Hospital 1. Recyclable Waste •Total Collected: 2,733.77 •Disposed to: Materials Recovery Facility (MRF) 2.Residual Waste •Total Collected: 3,739.42 kilograms •Disposed to: Sanitary Landfill Facility (SLF) 3.Hazardous/Infectious Waste •Total Collected: 2,536.78 kilograms •Disposed to: Materials Recovery Facility (MRF) 4.Biodegradable Waste •Total Collected: 2,536.78 kilograms •Disposed to: Materials Recovery Facility (MRF) 4.Biodegradable Waste •Total Collected: 3,096.76 kilograms •Disposed to: Compost Heap/Manage by the LGU TOTAL: 12,768.52 kilograms GRAND TOTAL: 17,435.56 kilograms	

C. Joint Provincial/City/Municipal Solid Waste Management Board Meeting		 September 24, 2024- The Provincial Government of Isabela through this office conducted its 3rd Quarter Joint Provincial/City/Municipal Solid Waste Management Board Meeting to address environmental challenges and promote sustainable waste management practices. Held at GFNDy Sr. Session Hall, Provincial Capitol, City of Ilagan, Isabela. The agenda for the meeting are as follows: 1.Addressing Municipal Solid Waste: The Role of Gasification Technology in Sustainable Waste Management. 2.Proposed Waste-to-Energy (WTE) Project: An Orientation on Sustainable Waste Management Solutions. 3.Waste to Gold: Unlocking Value Through Sustainable Waste Management.
D. 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. International Coastal Clean-up Day	This activity was conducted in observance of the International Clean-up Day	September 20, 2024- In observance of International Coastal Clean-up Day, the Provincial Government of Isabela, through its Environment and Natural Resources Office (ENRO), organized and Information, Education, and Communication (IEC) Campaign and a clean-up drive at the Isabela Provincial Eco-Park. Job Order service providers and ISEP-TF Operatives worked together to collect waste across the park and remove overgrown water hyacinths from the swamp area. The ENRO's initiative reaffirmed the province's commitment to this global cause, taking important steps to preserve local environments for future generations.

4. 2-Day Skills Training on Waste to Product	The Environment and Natural Resources Office facilitated its 1st Gender and Development (GAD) Activity: 2-day Skills Training on Waste-to-Product, equipping participants with practical skills in waste management, recycling, and upcycling. This training aimed to foster community involvement and reinforce participants ability to implement sustainable practices in their respective municipalities.	 September 17-18, 2024 (1st Batch) & September 19-20, 2024 (2nd Batch)- The first batch of participants includes 44 representatives from the municipalities of Angadanan, Benito Soliven, Cabatuan, Cordon, Gamu, Luna, Naguilian, and Reina Mercedes, while the second batch comprises 32 representatives from Cauayan City and the municipalities of Jones, Mallig, Quezon, Ramon, San Agustin, and Sta. Maria. The following Resource Speakers discuss the following topics: 1. For. Celia N. Badua, SupEMS/Chief, EMD, officially opened the course with a briefing on the Ecological Solid Waste Management Act of 2000 (RA 9003), introducing the solid waste management initiatives and laws being implemented in the province. 2. Ms. Gina D. Ruiz, Community Development Assistant II, discussed a topic on converting biodegradable waste into organic fertilizers/soil enhancers, demonstrating simple techniques that can be implemented at the community level. 3. Engr. Alejo S. Lamsen, Cauayan City ENR Officer, shared the "WOW Cauayan" Recycling Program, highlighting sustainable practices to combat the impacts of climate change. 4. Ms. Conchita L. Palencia, President of Isabela Green Ladies Organization (IGLO), shared best practices in upcycling, and recycling from IGLO members in various municipalities. She emphasized the commercial potential of recycled products such as handy bags made from plastic caps, charcoal briquettes, and glass jars made from recycled glass bottles. Ms. Palencia also discussed marginal pricing strategies and market opportunities for these products. 5. Ms. Julie F. Madrid, Manager, showcased their "Waste to Gold" program. She stressed the importance of using organic fertilizers to reduce pollution and encouraged participants to support local farmers by joining their association. For the hands-on-session: Batch 1 participated in a charcoal briquette-making workshop led by Ms. Gina D. Ruiz. Batch 2 engaged in upcycling used paper into decorative pots,

III. MINERAL RESOURCES MANAGEMENT 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 September, 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, area inspection and verification was conducted for the Commercial Sand and Gravel (CSAG) Permit application of Engr. Joel L. Garcia, located at Barangay Antagan 2nd, Tumauini, Isabela. Findings, observations and recommendations were as follows, to wit: - Applied area is abundant with sand and gravel resources, particularly boulders; - No operation during site inspection, nevertheless implement extraction within the main river bed when operation commence and ensure haulers to use protective net prior to transport of materials;; - Applied area has no corner boundaries hence it must be established; - Portion of the are is 100 meters distances from the gabion-wire-type flood control hence, limit-to-avoid extraction in the portion near the said structure. Findings and recommendations were immediately conveyed with the applicant for his guidance and compliance.
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, this office received and processed applications of, and issued Accreditation Permit to One (1) hauler/ dealer/trader and retailer trading mineral products and by-products. Correspondingly, Eighteen (18) accreditation stickers were issued for the conveyances and equipment registered. A total of 6,120.00 accreditation fees were remitted to PTO representing the permit application fees amounting to 2,520.00 and 3,600.00 for the stickers.

D. Field Monitoring of Quarry Areas		
		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, said activities were specifically conducted at the Municipalities of Cabagan, Delfin Albano, Gamu, Jones, Roxas, San Agustin, San Pablo, Sta. Maria, and Tumauini, Isabela.
1. Regular field inspection and monitoring		All flagged-down vehicles transporting sand and gravel materials have already secured their Accreditation Permits. On the other hand, haulers/operators who have exhausted their pre- payments were advised to pay their post payment and secure another pre-payment to avoid temporary stoppage of their operation.
	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	All personnel assigned in their respective quarry areas of assignment were present and were reminded to ensure that operators and haulers within their areas of assignments are compliant to extraction policies. While those with no operation due to high water level reported to the Office and assisted in various nursery activities.
	and other related fees by the Provincial Treasurer's Office.	For the month of September, forty-one (41) quarry areas have been monitored with extraction activities in the province with a total of 32,578.00 cu.m. of sand and gravel and other quarry resources extracted. This represents 23,520.00 cu.m. Mixed, and 9,058.00 cu.m. Boulders; and with gross value amounting to Php 1,321,390.00 fees and taxes.
2. Monitoring of extraction activities		Reports on extractions were accompanied by daily field monitoring reports and delivery receipts. Also, based on record, a total of Php 10,725,289.70 gross value of fees and taxes was remitted to PTO this month as prepayment to 228,218.81 cu.m. of Boulders, G1/S1, Mixed gravel and Ordinary Earth materials.
		Post-payment was also remitted for the monitored aggregates with volume totalling to 2,830.00 cu.m. of boulders, and mixed gravel corresponding to Php 113,250.00 taxes and fees.

3. Investigation/Settlement of Quarry and Mining Related Complaints	 September 24, 2024 - In response to an endorsed communication from the MGB R-02, personnel of this office conducted investigation and verification of an alleged illegal mining activity at Barangay San Manuel, Naguilian, Isabela. Activities undertaken include courtesy call with LGU Naguilian through the Municipal ENR Officer and Punong Barangay of San Manuel; site inspection and verification in the area complaint together with representatives of LGU and Barangay; and, gathering of necessary and related information and photo documentation. Recommendations: Advice the land heirs/complainants and barangay officials to do the filling-up/closing of the puits/holes to avoid untoward incidents or continuation of illegal activity; For the Municipal LGU to issue Cease and Desist Order or Stoppage Order if and when there is re-occurrence of said illegal activity; and The concerned barangay to continue monitor the area until the pits/holes are closed.
E. Other Related Activities	
1. Attendance/ Participation re Invitataion to Meetings/Dialogues and Request for Technical Assistance Related to Mineral Resources Management	 September 4, 2024 - In response to the invitation of MGB R-02 and issued Travel Order, this Office led by the ENR Officer assisted personnel of MGB in the issuance of Cease and Desist Order to identified small-scale miners within the permitted area of Cordillera Exploration Co., Inc. located at Barangay Anonang, Cordon, Isabela. The team, led by the MGB, were composed of representatives from the PG Isabela, LGU Cordon, and DENR-CENRO San Isidro. Activities conducted were as follows: Initial briefing at the Muicipal ENR Office; Courtesy call with the Municipal Mayor, Hon. Lynn Zuniega where the purpose of the visit was presented. She conveyed her approval and also expressed her concern to her constituents who relies on mining as their livelihood. She also shared that there are reports of extraction and operation of GSMC which the team, through the MGB, committed to validate the information after CDO issuance. The team proceeded to Barangay Hall of Anonang. Out of the 15 recipients of the CDO, onlty 12 were confimed as residents of the barangay and only 1 was able to present himself. The rest of the CDO were received by the Barangay Secretary to be given to the individuals; The team went the GSMC Processing Plant and conducted inspection. Together GSMC representative, Engr. Robert Carreon of MGB explained the process how the plant is operated which led them to conclude that the plant is not yet operating; although once in a while, a preventive maintenance is undertaken. And the GSMC expressed that they are open for area inspection to prove that there are no extraction activities within the compound.

IV. OTHER PROGRAM/PROJECT/ACTIVITY		
1. Meetings, Seminars, Trainings and Workshops Attended	 September 16-19, 2024- Benchmarking at Biak na Bato National Park & Bataan National Park September 20, 2024- Attended 3rd Quarter PELEC Meeting at DENR-PENRO, Osmeña, City of Ilagan, Isabela September 20, 2024- Attended 3rd Quarter CY 2024 Governing Board Meeting of the Calao Delinquente Diadi- Water Quality Management Area (CDD-WQMA) at Diocitas Hotel & Event Place, Rizal, Santiago City, Isabela. 	
PPREPARED BY:		
<u>(SGD.) JESSA C. RIVERO</u> Community Development Assistant II	<u>(SGD.) IVY M. GATAN</u> Administrative Assistant I	
CERTIFIED CORRECT:		

(SGD.) GERONIMO P. CABACCAN, JR.

Environment and Natural Resources Officer





Photos taken during the regular conduct of patrolling and monitoring of ISEP-TF Operatives and Nursery Activities for the month of September, 2024.



Other Activities by the ISEP-TF Operatives (Clean-up Drive at Cabisera 8, City of Ilagan, Isabela and Isabela Provincial Eco- Park)



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



Photos of maintenance activities, receiving and classifying raw materials and inventory of tools at the Rattan Processing Facility Center for the month of September, 2024



Photos of Implementation on the Agroforestry Project at Brgy. Linglingay, Gamu, Isabela, for the Month of September, 2024







Photos of Implementation on the Agroforestry and Watershed Project at Sitio Agal, Casala, San



Photos of the Implementation of the Agroforestry Project at Simanu, San Pablo, Isabela, for the Month of September, 2024

Soil Enhancer Production for the month of September, 2024



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



Solid Waste Management Activities for the month of September, 2024



Photos taken during the conduct of Information, Education and Communication (IEC) Campaign and Clean-up Drive within the Isabela Provincial Eco-Park.



Maintenance of ENR Office Organic Vegetable Garden for the month of September, 2024



Photos taken during the conduct of "2-Day Skills Training on Waste-to-Product", Gender and Development Activity at Hotel Mills and Rain at Brgy. Alibagu, City of Ilagan, Isabela on October 17-18, 2024

(BATCH 1) -1 50 2-DAY SKILLS TRAINING TRAINING TE-TO-PROD RODUCT

Photos taken during the conduct of "2-Day Skills Training on Waste-to-Product", Gender and Development Activity at Hotel Mills and Rain at Brgy. Alibagu, City of Ilagan, Isabela from October 19-20, 2024

(BATCH 2)



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 September, 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 and Isabela Eco-Park.



Photos taken during the issuance of Cease and Desist Order to identified small-scale miners within the permitted area of Cordillera Exploration Co., Inc. located at Barangay Anonang, Cordon, Isabela.







Photos taken during the investigation and verification of an alleged illegal mining activity at Barangay San Manuel, Naguilian, Isabela

