



ENVIRONMENT AND NATURAL RESOURCES

March

MONTH

Accomplishment Report

2022

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	<p>For this month, seeds of Molave, Mahogany, Acacia, and Ipil were sowed and wildlings of Talisay were potted for production.</p> <p>Number of seedlings produced: A total of 3,820 seedlings produced: 3,550 forest and 270 fruit bearing seedlings, respectively;</p> <p>Number of seedlings released: A total of 553 assorted seedlings were disposed to various requesting constituents composed of 245 forest tree seedlings, and 308 fruit-bearing tree seedlings;</p> <p>Stock balance: 33,529 seedlings as of March 31, 2022.</p>
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, 7 contractual and job-order laborers ensures the conduct of regular maintenance and operations of the nursery. Activities include improvement of seedling beds, soil potting for the seeds, seeds and wildlings collection, 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>Activities for developmental projects conducted, to wit:</p> <p>Watershed Rehabilitation: Delfin Albano - During coordination, MENRO Gamido informed the availability of areas for development. This office requested that if possible, areas adjacent the project site last year be developed to expand the established watershed rehabilitation project last year of 2021 and at the same time, for easy monitoring which he adopted. On March 15, 2022, personnel of this Office conducted the actual site inspection and validation of the said and also monitored the area planted last year.</p> <p>Riparian Rehabilitation: Tumauni - During coordination, the LGU thru MENRO Lucky Limbauan informed that they have identified low-lying areas along Cagayan riverbanks which they aim to rehabilitate. To validate the area, personnel of this office conducted actual site inspection on March 15, 2022. Riverbanks visited for ocular were within the Barangays of Pilitan, Paragu, Sta. Catalina, Annafunan, Balug and Carpintero. On the other hand, this office also requested that the established riparian project last year should be maintained hence reminded of the LGU's commitment. MENRO Limbauan relayed that since he is new to the office effective this year only, he cannot provide any update yet on the maintenance activities implemented.</p>

		<p>Nevertheless, committed that any upcoming projects that shall be undertaken together with his office shall be monitored;</p> <p>San Mateo - Initial coordination was made thru the Municipal ENR Officer where she proposed for the rehabilitation of Magat riverbank adjacent the LGU's Sanitary Land Fill. This office is set to conduct inspection and validation of the proposed area on April 2022.</p> <p>Agroforestry:</p> <p>Echague - relative to possible area for Agroforestry, MENRO Gumpal informed that an initial 50 has was already surveyed together with CENRO San Isidro located at the Agroforestry Tourism site as proposed thru the FLUP. He shall conduct coordination with CENRO first for the finality of the said area for them to identify initial area for development. He shall inform this office prior to conduct of site inspection and validation; further informed that the carbon sink plantation established last year has high survival rate.</p> <p>For the labor component of projects under the CCMA and DRRM through the DSWD Cash-For-Work Program, the guidelines was presented with all LGUs last March 31, 2022.</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 patrol in the following areas: Alinguigan 3rd and 2nd, Malalam, Fugu, San Ignacio, San Juan, San Lorenzo, Bintacan, Cabisera 8, Cabisera 14-16, Cabisera 22, Sitio Lagis, Sindon Bayabo, and other forest Barangay of City of Ilagan;</p> <p>- Benito Soliven and San Mariano areas;</p> <p>- Forest Region of Jones and San Agustin, Isabela</p>
b. Apprehension/Confiscation	Apprehension/confiscation of illegally cut and transported forest products	<p>For this month,were able to apprehend One (1) chainsaw and Forty Six (46) pieces of forest products were confiscated with a total volume of 2,083.54 board feet.</p> <p>March 10, 2022 - 10 pcs. (450.17 bd.ft.) Narra Flitches;</p> <p>March 11-12, 2022 - 36 pcs (1,632.83 bd.ft.) Narra Flitches and CHW Round Logs</p>
2. Donation/Utilization of Forest Products	Granting of request for wood materials	Utilized a total volume of 1,851.67 bd.ft representing 109 pieces of CHW lumbers for various infrastructure projects in the province.
3. Other Activites	Seedlings Production	<p>Seeds and wildlings collection were continously conducted and potted.</p> <p>For this month, operative members based at Marana 1st, Cabisera 10 and Sitio Disipon Sindon Bayabo, City of Ilagan, Isabela Checkpoint propagated wildlings of 234 Rubber Tree, 3,862 Narra, 325 Kulipapa, 94 Talisay, 58 Tuai, 120 Ipil and 6 Almaciga. A total of 4,699 seedlings.</p>
C. Activities Undertaken in Support of IDDRIP	Patrol works and monitoring activities and maintenance of reforestation areas	ISEP-TF and ENRO personnel regularly conducted monitoring at IDRRIP reforestation areas.


D. Other Related Activities		
1. Support to LGU FLUP Implementation		One of the activities in their FLUP is the implementation of Agroforestry as their major forest rehabilitation activity. Hence, this Office identified the LGU as one of the proposed areas for Agroforestry under the CCM/A and DRRM Program. As part of supporting LGUs in their plan implementation, this was presented to the LGU through the MENRO and committed to immediately identify the area for our inspection and validation.
2. Permaculture Development		On March 16, 2022, the Philippine Permaculture Association (PPA) after having implemented the higher opportunities on Permaculture Programme with the 3.3 hectares lot owned by the Provincial Government of Isabela (PGI), formally turned-over its management of the project to the PGI thru the concerned departments that will soon take full responsibility in sustaining and maintaining the Northern Luzon Permaculture Research Institute/Ale-Ale Eco-Park.
II. ENVIRONMENTAL MANAGEMENT DIVISION		
A. Vermicomposting Facility	Production of Organic Fertilizer	For this month, a total of 1,500 kgs. were produced and 660 kgs. were disposed to various requesting constituents, with a remaining stock balance of 13,630 kgs. as of March 31, 2022
B. Production of Green Charcoal	Production of charcoal briquettes out of paper waste to minimize the impact of paper waste	Produced 5 kgs. charcoal briquettes
C. Healthcare Waste Management Monitoring	Pursuant to the provisions of the Local Government Code (RA No. 7160) and the 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 jurisdictions.	Conducted monitoring of Healthcare Waste Management at City of Ilagan Medical Center, Brgy. Lullutan, City of Ilagan, Isabela on March 24, 2022. The City of Ilagan Medical Center have an arrangement with the City Environment and Natural Resources Office(CENRO) that the Hazardous Waste of the hospital will be temporarily stored at the Sanitary Landfill (SLF) while waiting for the approval of MOA with the Unified Hazwaste Expert, Inc. The covid waste like PPEs, face masks and other hazardous wastes were sterilized/steamed prior to disposal.
D. Joint Anti-Smoke Belching Campaign	The conduct of anti-smoke belching campaign is to help address and ensure vehicles compliance with the in-use emission standards set by the DENR Administrative Order (DAO) 2015-04 relative to the implementation of DAO No. 2000-81 or the IRR of the Philippine Clean Air Act of 1999	Conducted Joint Anti-Smoke Belching Campaign on March 24, 2022 at District II, Benito Soliven, Isabela. The team were able to test a total of twenty (20) diesel engine vehicles of which twelve (12) passed and eight (8) vehicles failed. All vehicles that did not meet the opacity standard were served with citation tickets and drivers' licenses were confiscated. For the owners to redeem said documents, their vehicles must have to comply first with the prescribed standard opacity and pay the corresponding penalty to the LTO.
E. Maintenance of Organic Vegetable/Herbal Garden	Maintenance of Organic Vegetable Garden, Materials Recovery Facility, Provincial Ecology Center and ENR Office premises.	Conducted brushing, cleaning, seedbed preparation, planting of vegetables and maintenance of organic vegetable garden with the assistance of GIP Job Orders from DOLE.

F. Other Related Activities		
1. Collection of Recyclable and Special/Hazardous Waste	Collecting and weighing of recyclable and special/hazardous wastes that were brought to the ENRO Material Recovery Facility being collected from the different offices of the Capitol premises	Various recyclables and residual wastes with potential for diversion were segregated according to its waste category, to wit: Papers - 74.5 kgs; Carton - 10.5 kgs.; PET bottles- 6.5 kgs.; and Cans - 0.5 kgs. with a total of 92.0 kgs.
2. 1st Quarter Meeting of the Provincial Solid Waste Management Board (PSWMB)		<p>The 1st Quarter Meeting of the Provincial Solid Waste Management Board (PSWMB) chaired by the Hon. Rodolfo T. Albano III, governor was conducted on March 31, 2022 at Balai, Capitol Compound, City of Ilagan, Isabela. The meeting was presided by Atty. Noel Manuel R. Lopez, Provincial Administrator and attended by the PSWMB Members, the City/Municipal Mayor which is a member of the board were represented by its respective City/Municipal ENROs. To include the speakers and other guests, there were a total of seventy (70) participants present in the meeting. The agenda of the meeting and its presenter were the following:</p> <ol style="list-style-type: none"> 1. Presentation of Executive Order No. 35-2019, reorganizing the PSWMB, presented by For. Geronimo P. Cabaccan, Jr. ENR Officer; 2. Status of City/Municipal 10-Year Ecological Solid Waste Management Plan and the Waste Disposal Management in the Province of Isabela, presented by For. Dalisay A. Baligod, EMS II, Chief/EMD; 3. How Hospitals in the Province are Managing their Special/Healthcare (toxic and hazardous waste) Wastes, presented by Engr. Arnel Noriega of IPHO; 4. How to Manage Special/Healthcare (toxic, hazardous and infectious) Wastes (RA No. 6969) presented by Ms. Victoria B. Pattaguan, PEMO Isabela; 5. Criteria in the Conduct of Search for the Most Environment Friendly Barangay in the Province of Isabela, presented by For. Rosemarie T. Zabala, CDO III, Asst. ENR Officer; and 6. Cash-for-Work Program for Climate Change Adaptation and Mitigation Projects, presented by For. Bladimir A. Pintucan, CDO II. <p>The meeting adjourned at 4:50 PM.</p>
3. Philippine Water Week	In Celebration of the Philippine Water Week with the theme: "Groundwater: Making the Invisible Visible"	The ENR Office together with City ENRO of Ilagan and Barangay Officials of Brgy. Sta. Barbara, City of Ilagan, Isabela conducted clean-up drive along the roadside and creeks of Sta. Barbara, City of Ilagan. A total of ninety (90) participants and an estimated 50 sacks of mixed garbages were collected and were properly disposed.
III. MINERAL RESOURCES MANAGEMENT DIVISION		
A. Processing and Issuance of Permits	The ENR Office as implementing arm of the Provincial Government of Isabela in ENR concern is tasked to implement Mining Laws, Rules and Regulations within the province.	This office received Three (3) CSAG Permit Applications from the different Quarry Locations within the province with corresponding administrative/processing fees collected by the Provincial Treasurer's Office amounting to Thirty Three Thousand Nine Hundred Ninety (Php33,990.00) Pesos.


<p>B. Accreditation of Haulers</p>	<p>The ENR Office is responsible in field verification and evaluation of quarry area to determine compliance of permit holders/ haulers to environmental laws, rules and regulations. Also , regular monitoring of extraction of sand and gravel and other quarry resources is conducted which shall serve as basis for the collection of taxes and other related fees by the Provincial Treasurer's Office.</p>	<p>A total of Fifty Two (52) haulers/dealers/traders and retailers in trading mineral products and by-products were accredited with corresponding fees collected by the PTO amounting to One Hundred Thirty One Thousand Forty (Php131,040.00) Pesos and Twelve Thousand Five Hundred (Php12,500.00) Pesos for Accreditation Sticker of 1,250 equipment.</p>
<p>C.Field Monitoring of Quarry Areas</p>	<p>The ENR Office is responsible in field verification and evaluation of quarry area to determine compliance of permit holders/ haulers to environmental laws, rules and regulations. Also , regular monitoring of extraction of sand and gravel and other quarry resources is conducted which shall serve as basis for the collection of taxes and other related fees by the Provincial Treasurer's Office.</p>	<p>For this month, 76,279.00 cu. m. quarry resources were extracted representing 730.00 cu.m Ordinary Earth, 65,662.00 cu. m. Mixed, 1,302.00 cu. m. G1/S1 and 8,585.00 cu. m. Boulders with corresponding value of P2,850,835.00 representing P21,900.00 Ordinary Earth, P2,298,170.00 Mixed, P58,590.00 G1/S1 and P472,175.00 Boulders.</p>
<p>D. Other Related Activies</p>		
<p>1. Minahang Bayan</p>	<p>Site Visit and Public Scoping Activities in support to the ECC Application of Minahang Bayan</p>	<p>Conducted site visit and public scoping activites in support to the ECC application of the Provincial Government of Isabela on the Minahang Bayan Project at Dinapigue, Isabela. The team was led by EMB Regional Director Nelson P. Honrado and ENR Officer Geronimo P. Cabaccan, Jr. The following were the activities conducted, to wit: -Site Visit on the Minahang Bayan area at Sitio Dimacawal, Brgys. Bucal Norte and Bucal Sur, Dinapigue, Isabela together with the representatives from MLGU Dinapigue and DENR-CENRO sub-office. The team then discussed details on the current biophysical condition and how the implementation of the projects will be conducted. -Public Scoping at Brgy. Digumased Community Center which was attended by seventy-five (75) participants composed of municipal and barangay officials led by Mayor Reynaldo D. Derije, CSO, academe and Indigenous People Representatives. The team presented the Minahang Bayan project and the EIA processes.</p>
<p>IV. OTHER PROGRAM/PROJECT/ACTIVITY</p>		
<p>1. PRDP related activities</p>	<p>As part of TWG, the ENR Office is in-charge in the Social and Environmental Safeguards (SES) concerns of various PRDP sub-projects</p>	<p>Referred and submitted SES compliances of the following sub-projects, to wit: 1. Proposed Pineapple Production and Marketng Enterprise, Brgy. Magleticia, Echague; 2. Construction of San Isidro Warehouse with Solar Dryer, Brgy. Gomez, San Isidro; and 3. Construction of NMI Agri Cooperative Warehouse, Brgy. Nungnungan II, Cauayan City.</p>
<p>2. Meetings, Seminars, Trainings and Workshops Attended</p>		<p>March 10-11, 2022 - Attended the Energy Audit Capacity Building facilitated by the USAID Philippines. This is relative to the indorsement of DoE selecting the Province of Isabela as one of the chosen pilot LGUs for energy audit. March 19, 2022 - Attended the Fuyot Spring Naturltal Park (FSNP) Protected Area Management Board (PAMB) Meeting virtually. March 23-24, 2022 - Attended the Stakeholders' Forum on Mining with the theme: "Know Mine, Know Life: A Forum on Responsible Mining" organized by DENR-MGB Region 02 at Zen Hotel, Santiago City, Isabela</p>

<p>3. Oyster and Green Mussel Production Livelihood Project</p>	<p>Bench marking for oyster and mussel and culture in preparation of Experimental Plots for Oyster and Green Musesel Production at Divilacan, Isabela</p>	<p>The BFAR-Buguey Brackish Water Technology Outreach Station (BFAR-BBTOS) at Barangay Minanga West, Buguey, Cagayan - conducted bench marking for oyster and mussel culture</p> <ul style="list-style-type: none"> - Engaged in oyster culture (Crassostrea iredalie or slipper-shaped oyster/talabang tsinelas or tirem in Ilocano) and other brackish species such as Siganids (Siganus guttasut and Siganus vermiculatus or Malaga) and Saline Tilapia (Oreochromis molobicus). - Collected spat (spat-oyster larvae) were cultured using the raft method. - They tested oyster culture (3 units was installed) in Barangay Dimasalansan, Divilacan, Isabela last 2019-2020 using raft method but fisher folk did not report or send any feedback if the culture is a success or not. -They used raft method for the oyster to growfaster, can be moved around to prevent sitation, durable and can last long and high production yield. A 5m x 5m/ unit or 25 sq. of raft was installed and 375 hangs and each hang 6 empty oyster shell attached on a rope. -Minimum of 22,500 pcs of oyster is expected to be produce in a 5m x 5m raft method within 7-8 months of culture period.
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CONSOLIDATED BY:


JESSA C. RIVERO
 Community Development Assistant II

CERTIFIED CORRECT:


GERONIMO F. CABACCAN, JR.
 Environment and Natural Resources Officer

Seeds and wildling collection, sowing, potting and other maintenance activities conducted for the Month of March 2022.



Photos of apprehensions of mostly abandoned illegally harvested forest products as a result of regular conduct of foot and mobile patrolling for Month of March 2022. Also, operative members took the opportunity and collected wildlings for propagation.



Photos showing the proposed expansion area for Watershed Rehabilitation and the initial area planted last year under same project at Barangay Carmencita, Delfin Albano.



Some of the photos taken along Cagayan Riverbanks within Barangays Annafunan, Sta. Catalina, and Paragu, Tumauni proposed for Riparian Rehabilitation Project.



Some photos taken during the ceremonial turn-over of the Isabela Permaculture Development Center management to the Provincial Government and the initial clean-up activities within the vicinities of the Center.



Photos of the monitoring of Healthcare Waste Management at City of Ilagan Medical Center (CIMC)



Photos during the conduct of Joint Anti-Smoke Belching Campaign at Benito Soliven, Isabela



Photos taken during the Clean-Up Drive at Brgy. Sta Barbara, City Of Ilagan, Isabela
in Celebration of Philippine Water Week



Photos of the collecting and weighing of recyclable and special/hazardous waste



Photos of the planting and maintenance of Organic Vegetable Garden



Photos taken during the production of Organic fertilizer thru vermicomposting



Photos taken during the 1st Quarter Meeting of the Provincial Solid Waste Management Board (PSWMB)



Photos taken during the monitoring of extraction of Sand and Gravel at the Municipalities of Tumauni,
Cabagan, Sta. Maria and San Pablo, Isabela

