



A.4 Forest Watershed and Biodiversity Protection

The forested watershed of CJH is considered the “last frontier” of the vast forested area within Baguio City, the reason why it has been dubbed the “Lungs of the City”. In fact, according to DENR-CAR statistics, this Benguet Pine-dominated CJH forest accounts for

roughly 53% of the remaining forest cover of Baguio City. No wonder why the *Ambient Air Quality Index* within this tourist haven in Baguio City has consistently been rated as “GOOD” by the DENR –Environmental Management Bureau, which is so far the best index in the entire Baguio, La Trinidad, Itogon, Sablan, Tuba, and Tublay (BLISTT) District.

For the year 2022, the following are the accomplishments relative to the management of the Forest Watershed and Biodiversity Protection:

A.4.1 Forest Enrichment/ Compliance with the National Greening Program

For the year 2022, a total of 3,350 (1,210 Benguet pine, 500 Coffee Arabica seedlings, and 1,640 Bamboo propagules) were donated to environmental organizations and groups in support of their efforts to protect the environment through the planting of trees and other forest management practices. Employees of JHMC planted 600 Benguet Pine trees in total at Barangay Daclan, Tublay, Benguet.

In addition, a total of 3,400 tree seedlings were also given to DENR – CAR in support of its National Greening Program as part of JHMC’s replacement planting commitment on its issued Tree Cutting Permits for the year.



Donation of 3,350 (1,210 Benguet Pine; 500 Coffee Arabica; and, 1,640 Bamboo Propagules) to Supreme Pupil Government/ YES-Organization, Cordillera Youth Leader, Association of PMA Cadets, Municipality of Tublay, & Bontoc LGU



Tree planting of 600 seedlings for the enrichment of the communal forest of Daclan, Tublay, Benguet.

A.4.2 General Forest Care Activities

General forest care activities for the year 2022 included a wide range of forest protection such as fire line maintenance, tree seedlings propagation, retrieval operations, composting, and thinning/ pruning of pine stands and other dense areas.

****Assisted Natural Regeneration (ANR)***

ANR involves the management of wildlings that are suppressed and overgrown by weeds and vines to liberate them and allow unhindered growth and survival.



Assisted Natural Regeneration

*** Fire Lines Maintenance and Forest Fire Prevention Measures**

Fire lines serve as gaps in the foliage or other combustible materials that act as a barrier to delay or stop the progression of a bushfire or a wildfire in some forested areas of the John Hay forest. The dry months of the year are when this forest fire prevention and management measure is carried out. For CY 2022, a total of **21,135 m²** area of fire lines maintained or covered.



Fire Lines at the Yellow Trail.



Cleared fire lines at Scout Barrio.



Cleared fire lines at Barangay Hillside.



Cleared fire line at the VOA/Kadaclan Areas.



*Established fire line
at Upper Dagsian.*

*** Other General Forest Care Activities**



Forest Care (Silvicultural) Operations



Compost Production as part of waste management and nursery operations.



Retrieval Operations



Lumber Inventory

A.4.3 Nursery Management and Landscape Maintenance

The Historical Core area is one of the most visited botanical, cultural and heritage park in CJH. For the year 2022, Baguio City's tourism has been given a boost with arrivals parallel with pre-pandemic proportions, hence the palatability to the visiting public of showcase areas were given the attention it so needed. An array of maintenance and improvement activities were undertaken, among which are weed control, replacement of plant mortalities within the pocket gardens, additional packet gardens and surrounding landscape, trimming and pruning, plant cultivation, fertilization, watering, pest and diseases control activities, and the continuous propagation and maintenance of quality ornamental and forest plants and seedlings at the JHMC nursery. For the year, a total of **30,097** were propagated as follows: 10,500 tree seedlings (Benguet Pine and Coffea Arabica) and 19,597 ornamentals.



Nursery Maintenance and Operations Outputs

A.4.4 Hillside Community Forest Stewardship and Management Program

For the Barangay Segregation Program, the JHMC has formulated the Hillside Community Forest Stewardship and Management Program.

A.5 Pollution Control and Environment Protection

A.5.1 Raising Ecological Awareness

The call towards ecological responsibility is one of the prime responsibilities of the JHMC. This is the way of encouraging participants, whether within or outside of JHMC, to actively participate in the conservation of natural resources, at their work assignment and, even in their daily living. This is done through eco-awareness talks and other awareness-building sessions with JHMC employees relative to its ISO 14001:2015 (EMS).

***Training/ Capacity-Building/ Orientation**

A total of **ten (10) eco-awareness talks** were conducted in CY 2022 to various participants and events, which highlighted the importance of the Effect of Poor Waste Management on Biodiversity; Awareness and Orientation on EMS, Green Office Policy, Solid Waste Management, and Hazardous Waste Management; Awareness on Solid and Hazardous Waste Management specifically on pathological and infectious wastes; the Effect of Solid Wastes in Water Bodies; and, Solid Waste Management Campaign on the Proper Management of Pathological and Infectious Wastes.

- 30 March 2022: EMS Awareness and Orientation, Green Office Policy, Solid Waste Management, and Hazardous Waste Management;
- 21 April 2022: Eco-talk on the importance of The Effect of Poor Waste Management Biodiversity; and, Clean Up Activity at Voice of America – Loakan Apugan Roadside and Sitio Ongasan and Moog – Kadaclan View Deck;
- 29 April 2022: Orientation on proper Tree Care (Tree Parenting Drive/ Forest care of the planted tree seedlings to the JHRA in Greenwater);



- 14 June 2022: Training and Capacity Building for the Deputy Environment and Natural Resources Officers (DENRO) with DENR-CAR;
- 27-30 June 2022: Forest Management in general, EMS Awareness and Orientation, Green Office Policy, Solid Waste Management, and Hazardous Waste Management;



- 29 June 2022: EMS Awareness and Orientation, Green Office Policy, Solid Waste Management, and Hazardous Waste Management; and,
- 14 June and 28 July 2022: DENRO Capacitation, an Orientation to equip the forest rangers and JHMC employees with the basic knowledge of forestry regulations towards better forest protection.

