

RAINFORESTATION

The Experience of Maddiangat Upland Farmers Association



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BACKGROUND

➤ The Maddiangat Upland Farmers Association (MUFA) was organized thru a project titled “Merging Socio Economic Development and Biodiversity Conservation within the Palali Mountain Range” implemented by FREnds (Friends of the Environment for Development and Sustainability, Inc.) in partnership and funding support from the Philippine Tropical Forest Conservation Foundation for the year 2010-2013. MUFA is just one of the eight (8) PO beneficiaries of the said project.

➤ The rainforestation area is situated at the foot slopes of Palali Mountain Range (part of the Sierra Madre Mountain Range) that currently serves as watershed area of our barangay and neighboring barangays. It is within the co-managed area of LGU-Quezon and DENR.



BACKGROUND

- The project with PTFCF and FRENDS enable us to contribute to the goal of protecting the remaining forest and bring back what was lost through activities such as but not limited to tree growing of indigenous species especially within our area
- For us to realize our goals, we were immersed in the use of Rainforestation Technology thru the assistance of the Technical Staff from FRENDS



ESTABLISHMENT OF RF AREA

I. Rainforestation

Training (para malaman
namin kung ano ang sinasabing
Rainforestation Technology)



II. Forest Resources Inventory (to know more of the available tree species for planting)



III. Nursery Establishment / Seedlings Production

1. Construction/lay-outing of nursery shed and pot beds

- bamboo, coconut leaves, wire)



2. Soil potting/bagging

- Materials: (polyethylene bag, garden/forest soils, sand or compost)
- Soil mixture: 2:1 (2 for forest/garden soil and 1 for sand or compost)



IV. Wildlings Collection

- Wildling collections from old growth/secondary growth forest are usually conducted during the months of November to February (relatively humid), preferably after the rain
- Use sharp bolo to uproot the wildlings, earth balled the roots and bagged them in the newly cut banana stalk to prevent the roots from wilting
- Water the wildlings to prevent them from drying up



V. Transplanting and Construction of Growth Chamber

1. Transplanting

- we cut the leaves and trim the roots to lessen water uptake and to prevent wilting of the wildlings
- we water/sprinkle the wildlings/plot
- we cover the wildlings (plot) with growth chamber
- we open the plot/remove the growth chamber after 2-3 months for replanting and hardening
- we maintain the seedlings/nursery by: weeding, watering, sorting and replanting



2. Construction of Growth Chamber

- **materials:** 2 x 2 inches lumber, bamboo/buho strips, tie wire, plastic mat, packing tape
- make a rectangular frame using the lumber as base depending on the length and width of the constructed pot beds
- attach/tie the strips (buho/bamboo) from one side of the base to the other forming a rainbow shape (*attach strips at two edge and middle or more if necessary*)
- attach/tie other strips horizontally to the rainbow shape to fix the frame
- cover the frame with a plastic mat (use packing tape to fix the plastic joint to ensure that no air would escape from the chamber)
- leave 10-12 inches of plastic “hanging’ from the base of the frame/growth chamber and fill with soil



VI. Outplanting Activities

1. Strip brushing/ring weeding

2. Staking/hole digging

3. Hauling of seedlings

4. Planting



MAINTAINING THE RF AREA

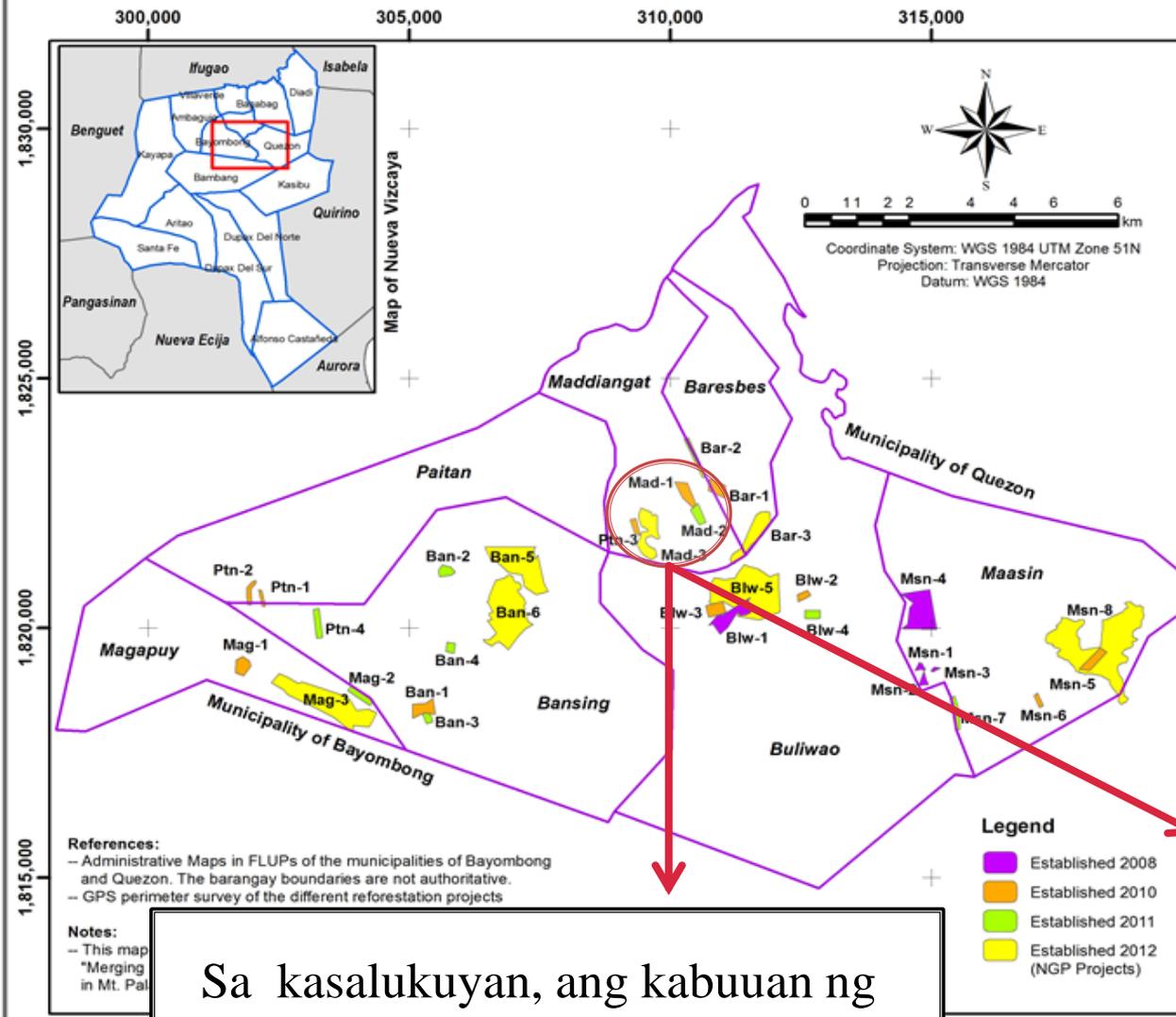
▪ Maintenance Activities

- regular foot patrolling
- establishment of firelines
- ring weeding (2 beses noong may PTFCF_FREENDS pa pero sa ngayon isang beses na lang)
- replanting and fertilization



Map Showing the Existing Reforestation Areas Funded by the PTFCF, Inc. and DENR-PTFCF-FPE-NGP Project

Municipalities of Bayombong and Quezon
Province of Nueva Vizcaya
Region 02



Barangay	Label	Area Per Year (ha)				Total Area (ha)
		2008	2010	2011	2012	
Banging	Ban-1	-	10.31	-	-	10.31
	Ban-2	-	-	5.33	-	5.33
	Ban-3	-	-	2.78	-	2.78
	Ban-4	-	-	3.01	-	3.01
	Ban-5	-	-	-	50.00	50.00
	Ban-6	-	-	-	75.00	75.00
Baresbes	Bar-1	-	7.74	-	-	7.74
	Bar-2	-	-	7.61	-	7.61
	Bar-3	-	-	-	25.00	25.00
Buliwao	Blw-1	19.88	-	-	-	19.88
	Blw-2	-	3.25	-	-	3.25
	Blw-3	-	8.02	-	-	8.02
	Blw-4	-	-	4.73	-	4.73
	Blw-5	-	-	-	75.00	75.00
Maasin	Msn-1	1.89	-	-	-	1.89
	Msn-2	2.52	-	-	-	2.52
	Msn-3	0.88	-	-	-	0.88
	Msn-4	37.45	-	-	-	37.45
	Msn-5	-	8.72	-	-	8.72
	Msn-6	-	2.37	-	-	2.37
	Msn-7	-	-	4.81	-	4.81
	Msn-8	-	-	-	75.00	75.00
Maddingat	Mad-1	-	9.52	-	-	9.52
	Mad-2	-	-	6.28	-	6.28
	Mad-3	-	-	-	25.00	25.00
Magapuy	Mag-1	-	8.23	-	-	8.23
	Mag-2	-	-	6.35	-	6.35
	Mag-3	-	-	-	75.00	75.00
Paitan	Ptn-1	-	2.01	-	-	2.01
	Ptn-2	-	4.07	-	-	4.07
	Ptn-3	-	3.28	-	-	3.28
	Ptn-4	-	-	6.59	-	6.59
Total Area Per Year		62.62	67.52	47.49	400.00	577.63

Legend

- Established 2008
- Established 2010
- Established 2011
- Established 2012 (NGP Projects)

References:
 - Administrative Maps in FLUPs of the municipalities of Bayombong and Quezon. The barangay boundaries are not authoritative.
 - GPS perimeter survey of the different reforestation projects

Notes:
 - This map "Merging in Mt. Pal"

Sa kasalukuyan, ang kabuuan ng aming Reforestation area na aming inaalagan ay may **40.8** na hektarya

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 Friends of the Environment for Development and Sustainability, Inc. (FRENDS)
 With Funding Support from:
 Philippine Tropical Forest Conservation Foundation, Inc. (PTFCF)





Bignai



Malaikmo



Calautit



Tibig



Mayapis



Tangule



Narra



Tuai



THANK YOU!

Help Bring Back:
The Native Trees,,,
Now!