



Republic of the Philippines  
Department of Environment and Natural Resources  
**FOREST MANAGEMENT BUREAU**

Visayas, Avenue, Diliman, 1100 Quezon City  
Tel. No.: (632) 8925-2141 / (632) 8927-4788  
E-mail Address: fmb@denr.gov.ph

FOREST MANAGEMENT BUREAU  
MAY 04 2022  
RECORDS UNIT

## MEMORANDUM

FOR : All Regional Executive Directors  
FROM : The Director  
SUBJECT : **REITERATION MEMORANDUM ON THE STATUS OF SEED SOURCE AREAS**  
DATE : **MAY 04 2022**

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This has reference to the maintenance of established Seed Source Areas in the Regions to support the implementation of the National Greening Program.

In a Memorandum signed by the former Undersecretary for Field Operations, Enforcement and Muslim Affairs, the Regions with delisted Seed Source Areas were instructed to find replacement areas. This is consistent with the agreements made during the workshop held on 21-23 August 2019 pursuant to DENR Special Order no. 570 dated 16 August 2019 (Please refer to the attached copy of Memorandum).

In line with this, this Office would like to respectfully remind the concerned regions on their compliance with the instruction of the Undersecretary for our basis on the final list of Seed Source Areas. Attached herewith is the matrix of the status of seed sources in your respective Regional Offices for your ready reference and perusal.

FOR YOUR INFORMATION AND APPROPRIATE ACTION, PLEASE.

  
**TIRSO P. PARIAN, JR., CESO IV**

*Copy furnished:*

*The Undersecretary for Policy, Planning and International Affairs*

*The Undersecretary for Field Operations – Luzon, Visayas and Environment*

*The Undersecretary for Field Operations – Mindanao*

*The Assistant Secretary for Policy, Planning and Foreign Assisted Projects*

*The Director  
Ecosystems Research and Development Bureau*

**Annex A.** Updated Status of Seed Production Areas and Individual Plus Trees Areas

Region	Province	Seed Source Classification	No. of Cluster	Recommendations	New Location	Detailed Report
CAR	Abra	IPT	3	Delist	Nagaparan, Danglas, Abra	No submission yet
CAR	Apayao	IPT	1	Delist	Guina-ang, Conner, Apayao; Sta. Elena, Calanasan, Apayao	No submission yet
CAR	Benguet	IPT	2	Retain and improve	Yapas, Bobok/ Bisal, Bokod, Benguet	
CAR	Ifugao	IPT	1	Retain and improve	Amduntog, Asipulo, Ifugao; Lingay, Kiangnan, Ifugao	
CAR	Kalinga	SPA	1	Delist	Tawang, Balbalan, Kalinga	No submission yet
CAR	Mt. Province	IPT	1	Delist	Otucan Sur, Bauko, Mt. Province	No submission yet
Region 1	Ilocos Norte	IPT	1	Retain and improve	Piddig, Vintar and Currimao	
Region 1	Ilocos Sur	IPT	1	Retain and improve	Banayoyo, Bantay, Cervantes, Suyo and Sigay	
Region 1	La Union	IPT	1	Delist	Dacanay Reforestation Project, Duplas, Pugo, La Union	With submission of accomplishment report (No submission of detailed report based on recommendation)
Region 1	Pangasinan	IPT	1	Delist	Villacorta, Mabini, Pangasinan	With submission of accomplishment report (No submission of detailed report based on recommendation)
Region 2	Batanes	IPT	1	Retain	Brgy. Raele, Itbayat, Batanes	
Region 2	Cagayan	IPT	3	Retain	Brgy. Nassiping, Gattaran, Cagayan	



Region	Province	Seed Source Classification	No. of Cluster	Recommendations	New Location	Detailed Report
Region 2	Cagayan	IPT	2	Retain and improve	Brgy. Nannarian, Peñablanca, Cagayan, Brgy. Piggatan, Alcala, Cagayan	
Region 2	Isabela	IPT	2	Delist	Brgy. Sta. Victoria, Ilagan, Isabela	Report submitted to FMB on January 2021
Region 2	Isabela	IPT	1	Retain	Brgy. Sta. Victoria, Ilagan, Isabela	
Region 2	Isabela	IPT	1	Retain and improve	Brgy. Camp Vizcara, Ramon, Isabela	
Region 2	Nueva Vizcaya	IPT	3	Retain	Brgy. San Luis, Diadi, Nueva Vizcaya	
Region 2	Nueva Vizcaya	IPT	1	Delist	Brgy. Bugnay, Diadi, Nueva Vizcaya	Report submitted to FMB on January 2021
Region 2	Quirino	IPT	1	Retain	Brgy. Gabriela Silang, Diffun, Quirino	
Region 2	Quirino	IPT	1	Retain and improve	Brgy. Andres Bonifacio, Diffun, Quirino	
Region 2	Quirino	IPT	2	Delist	CENRO Compound, Dipantan, Nagtipunan, Quirino	Report submitted to FMB on January 2021
Region 3	Aurora	SPA	1	Retain	Brgy. Dinadiawan, Dipaculao, Aurora	
Region 3	Bataan	SPA	1	Retain and improve	Brgy. Diwa, Pilar, Bataan	
Region 3	Bulacan	SPA	1	Retain	Brgy. Camachin, DRT, Bulacan Baliwag Bulacan: Sitio Cogonan, Kalawakan, DRT, Bulacan (proposed site for assessment by ERDB) Sitio Talamsi, Kalawakan, DRT, Bulacan (proposed site for assessment by ERDB)	Region submitted advanced request to the Usec for Field Operations and Environment to assess SPAs in Region 3 and to delist areas with exotic species (Memo dated 5 February 2021)

Region	Province	Seed Source Classification	No. of Cluster	Recommendations	New Location	Detailed Report
Region 3	Nueva Ecija	SPA	1	Retain and improve	West Poblacion, Pantabangan, Nueva Ecija Muñoz: Sitio Binbin, Gen Luna, Carranglan, Nueva Ecija (proposed site for assessment by ERDB)	
Region 3	Pampanga	SPA	1	Retain and improve	Brgy. Ayala, Magalang, Pampanga	
Region 3	Tarlac	SPA	1	Retain and improve	So. Calao, San Jose, Mayantoc, Tarlac Camiling: Sitio Canding, Brgy. Maasin, San Clemente, Tarlac (proposed site for assessment by ERDB) Capas:	
Region 3	Zambales	SPA	1	Retain and improve	Km 14, Brgy. Taltal, Masinloc, Zambales	
CALABARZON	Batangas	IPT	1	Retain and improve	Lobo, Batangas	
CALABARZON	Cavite	IPT	1	Delist	Brgy. Sapang 1, Ternate, Cavite (Retained)	(Retained) No submission yet
CALABARZON	Laguna	IPT	1	Delist	Cueva, Sta.Maria, Laguna	Submitted report to the FMB to retain the delisted seed source area (1 October 2019)
CALABARZON	Quezon	IPT	1	Retain	Quezon Protected Landscape, Pagbilao and Atimonan, Quezon	
CALABARZON	Rizal	IPT	1	Delist	Sitio San Roque, Brgy. Pinugay, Baras, Rizal	No submission yet
MIMAROPA	Marinduque	IPT	1	Retain and improve	Brgy. Dampulan, Torrijos, Marinduque	



Region	Province	Seed Source Classification	No. of Cluster	Recommendations	New Location	Detailed Report
MIMAROPA	Occidental Mindoro	SPA	1	Delist	Brgy. Tubili, Paluan, Occidental Mindoro (adjacent site)	Report submitted to FMB and ERDB (copy furnished the UBRDEC) on 20 July 2020
MIMAROPA	Oriental Mindoro	IPT	1	Retain and improve	Victoria and Bongabong, Oriental Mindoro	
MIMAROPA	Palawan	IPT	1	Retain	Brgy. Bagong bayan, Puerto Princesa City, Palawan	
MIMAROPA	Romblon	IPT	1	Delist	Brgy. Tampayan, Magdiwang, Romblon	Report submitted to FMB and ERDB (copy furnished the UBRDEC) on 20 July 2020
Region 5	Albay	IPT	1	Retain and improve	Brgy. Damacan, Bacacay, Albay	
Region 5	Camarines Norte	SPA	1	Retain	Tigbinan, Labo, Camarines Norte	
Region 5	Camarines Sur	IPT	1	Retain	Olas, Lagonoy, Camarines Sur	
Region 5	Catanduanes	SPA	1	Retain	Progreso, San Miguel, Catanduanes	Proposal to establish an additional SPA of dipterocarp species (proposal referred to FMB by FASPS on 16 February 2021)
Region 5	Masbate	SPA	1	Retain and improve	Brgy. Cabangrayan, Pio V. Corpuz, Masbate	
Region 5	Sorsogon	IPT	1	Retain	Brgy. Diamante, Prieto Diaz, Sorsogon	
Region 6	Aklan	SPA	1	Retain	Brgy. Bugtong Bato, Jawili, Tangalan, Aklan	



Region	Province	Seed Source Classification	No. of Cluster	Recommendations	New Location	Detailed Report
Region 6	Antique	SPA	1	Delist	budget intended for the identification of new spa was included in the 10% discontinuance	Discontinued
Region 6	Capiz	IPT	1	Delist	Brgy. Gibato, Dumarao, Capiz	Report submitted to FMB on January 24, 2021
Region 6	Guimaras	IPT	1	Retain	Taklong Island Marine Reserve	
Region 6	Iloilo	SPA	1	Delist	Lanag Norte and Bikil, Tubungan, Iloilo	No submission yet
Region 6	Negros Occidental	SPA	1	Retain	Bacuyangan, Hinoba-an, Negros Occidental	
Region 7	Bohol	SPA	1	Retain	Owac, Bilar, Bohol	
Region 7	Cebu	SPA/SSO	3	Delist	Brgy. Daanlungsod, Oslob, Cebu	No submission yet
Region 7	Negros Oriental	SPA	1	Delist	Brgy. Banban, Ayungon	
Region 7	Siquijor	SPA	1	Retain and improve	Olang, Maria, Siquijor	
Region 8	Biliran	IPT	1	Delist	Sitio Palayan Brgy. Caucab, Almeria, Biliran	
Region 8	Leyte	IPT	1	Delist	Brgy. New Taligue, Abuyog, Leyte	
Region 8	Southern Leyte	SPA	1	Delist	Sitio Canlugoc, Brgy. Lunas Maasin City / Brgy. Upper Bantawon, Hinunangan	
Region 8	Eastern Samar	IPT	1	Delist	Sitio Mogahe, Maydolong, Eastern Samar	
Region 8	Northern Samar	IPT	1	Delist	Km. 9. Brgy. Happy Valley, San Isidro, Northern Samar.	

Region	Province	Seed Source Classification	No. of Cluster	Recommendations	New Location	Detailed Report
Region 8	Western Samar	IPT	1	Retain	Tinago, Calbiga, Samar	
Region 9	Zamboanga del Norte	SPA	1	Retain and improve	Brgy. Upper Milidan, Baliguian, Zamboanga del Norte	
Region 9	Zamboanga del Sur	SPA	1	Retain	Brgy. Tinutongan, Tukuran, Zamboanga Del Sur	
Region 9	Zamboanga Sibugay	SPA	1	Delist	Brgy, Laih, Siay, Zamboanga Sibugay	Report submitted to FMB on February 2020
Region 10	Bukidnon	IPT	1	Delist	CEDAR, Impalutao, Impasug-ong, Bukidnon	Report submitted to FMB, referred to ERDB for comments and/or evaluation on 12 January 2021
Region 10	Camiguin	IPT	1	Delist	Sitio Binabag, Pandan, Mambajao, Camiguin	Report submitted to FMB, referred to ERDB for comments and/or evaluation on 12 January 2021
Region 10	Lanao del Norte	IPT	1	Delist	Brgy. Lawiga Datu, Magsaysay; Brgy. Lapinig, Kapatagan; Brgy. Poblacion, Kolambugan, Lanao del Norte	Report submitted to FMB, referred to ERDB for comments and/or evaluation on 12 January 2021
Region 10	Misamis Occidental	IPT	1	Delist	Brgy Siloy, Calamba, Misamis Occidental	Report submitted to FMB, referred to ERDB for comments and/or evaluation on 19 January 2021



Region	Province	Seed Source Classification	No. of Cluster	Recommendations	New Location	Detailed Report
Region 10	Misamis Oriental	IPT	1	Retain	Mapawa, Malasag, Cugman, Cagayan de Oro City	
Region 11	Davao del Norte	IPT	1	Delist	La Filipina, Tagum City	No submission yet
Region 11	Davao Del Sur	SPA (now IPT)	1	Delist	Sitio Colorado, Brgy. Sibulan, Toril District, Davao City	No submission yet
Region 11	Davao de Oro (Compostela Valley)	IPT	1	Delist	Brgy. Las Arenas, Pantukan, Davao de Oro	No submission yet
Region 11	Davao Occidental	SPA	1	New SPA	Brgy. Manuel Peralta, Malita, Davao Occidental	Proposal to establish a new SPA (submitted to FMB, referred to ERDB for evaluation) on 29 December 2020
Region 11	Davao Oriental	IPT	1	Retain and improve	Purok Kalinaw, Sitio Botak, Brgy. La Union, San Isidro, Davao Oriental	
Region 12	North Cotabato	SPA	1	Delist	IPTs; Brgy. Perez, Kidapawan, North Cotabato	No submission yet
Region 12	South Cotabato	IPT	1	Delist	Maligo, Polomolok, South Cotabato (Retained)	(Retained) Delisted seed source is retained, but no report/Memo has been submitted to the FMB
Region 12	Sultan Kudarat	IPT	1	Retain and improve	Brgy. Chua, Bagumbayan, Sultan Kudarat	
Region 12	Sarangani	SPA	1	Delist	Poblacion, Malungon, Sarangani (Adjacent site)	(Adjacent site) Report submitted to FMB



Region	Province	Seed Source Classification	No. of Cluster	Recommendations	New Location	Detailed Report
Region 13	Agusan del Norte	SPA	1	Retain	Lantawan Ecopark, Brgy. Crossing, Kitcharao, ADN	
Region 13	Agusan del Sur	SPA	1	Delist	Brgy. Magsaysay, Prosperidad, Agusan del Sur	No submission yet
Region 13	Surigao del Norte	SPA	1	Retain	Brgy. Rizal, Socorro, SDN	
Region 13	Surigao del Sur	SPA	1	Retain	Brgy. Adlay, Carrascal, SDS	
Region 13	Dinagat Islands	IPT	1	Retain	Brgy. Cuarenta, San Jose, Dinagat Islands	

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TO

DENR Regional Executive Director  
Regions 1, 2, 4, 6-13, CAR, MIMAROPA

RECEIVED BY:

FROM

Undersecretary for Field Operations, Enforcement and Muslim Affairs

## SUBJECT

**: WORKSHOP ON THE STATUS OF SEED SOURCE AREAS AND  
CAPACITY BUILDING ON SEED SOURCE ESTABLISHMENT,  
MANAGEMENT, OPERATION AND SEED TECHNOLOGY**

DATE \_\_\_\_\_

Pursuant to DENR Special Order No. 570, dated 16 August 2019 authorizing the conduct of the workshop on the status of seed source areas and capacity building on seed source establishment, management, operation and seed technology, the Forest Management Bureau (FMB) through the National Greening Program (NGP) Coordinating Office and the Ecosystems Research and Development Bureau (ERDB) convened a total of 85 representatives from the Regional and Field Offices with seed sources that are recommended for delisting.

In this regard, you are hereby instructed to comply to the following as agreed during the workshop:

## AGREEMENTS

## Seed Production Areas/Individual Plus Trees

1. The seed sources listed in Annex A are hereby delisted from our database. Regional/Provincial ENR Offices concerned are instructed to find a replacement area for the delisted seed sources subject to assessment and evaluation of the ERDB and FMB.
2. Report on the conduct of assessment and identification of new seed source areas in replacement of the delisted seed sources should be submitted to the FMB, copy furnished the ERDB.

### *Seed Technology and Seed Disposition*

3. Standard protocol for submission of Seed samples: 10% of collected seeds should be delivered to ERDB Seed Centers for seed viability testing; results of which will be communicated and submitted to the Regions by the Seed Centers.
4. Seed Collection Reports from PENKOs must be submitted to FMB through the Regional Offices, copy furnished the ERDB.

### Budget Allocation

5. Allowable expenses allocated for each:  
SPA's, IPTs – PhP 500,000  
Clonal Nursery – PhP 350,000

**FOR YOUR GUIDANCE.**

JIM C. SAMPULNA, CESQ III  
HABASCO





Republic of the Philippines  
Department of Environment and Natural Resources

**FOREST MANAGEMENT BUREAU**

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Tel. No.: (632) 8925-2141 / (632) 8927-4788

E-mail Address: [fmb@denr.gov.ph](mailto:fmb@denr.gov.ph) Website: <https://www.forestry.denr.gov.ph>

**MEMORANDUM**

FOR : The Director

THRU : The OIC, Assistant Director  
The Chief, Forest Resources Conservation Division *med: FMB*

FROM : The Undersigned

SUBJECT : **SITE ASSESSMENT AND IDENTIFICATION OF PROPOSED  
SEED SOURCE AREAS IN REGION III**

DATE APR 26 2022

This has reference to the conducted site assessment and identification of the proposed Seed Production Areas (SPA) in Tarlac and Nueva Ecija in Region III on 28 March to 1 April 2022 which was done in accordance to the request of the concerned region in the memorandum dated 08 February 2022 addressed to the Ecosystems Research and Development Bureau (ERDB) and copy furnished to the Forest Management Bureau (FMB).

**I. RATIONALE**

Seed Production Areas/Individual Plus Trees (SPA/IPTs) were established pursuant to the DENR Administrative Order (DAO) No. 2010-11 or the "*Revised Regulations Governing Forest Tree Seed and Seedling Production, Collection and Disposition*" which mandates all PENROs to establish either one of the two mentioned seed sources to ensure production of phenotypically and genetically improved planting materials to be utilized for reforestation activities.

In this regard, the DENR conducted a workshop on the status of seed source areas and capacity building on seed source establishment, management, operation and seed technology on 16 August 2019 in which agreements regarding the delisted seed sources from the database must have corresponding replacement areas identified by the concerned regions and must be assessed and evaluated by the ERDB and FMB.

All SPAs under the jurisdiction of Region III were recommended to be retained and improved but due to the shift in the focus of the Enhanced National Greening Program (ENGP) to use indigenous tree species in establishing plantations within Protected Areas (PAs) and Critical Watershed Areas for FY 2021 onwards, the region has initiated to replace their existing seed sources of mostly exotic species with newly identified ones suitable to the aforementioned target. Thus, the NGPCO together with personnel through Memorandum dated 7 March 2022 were assigned to conduct monitoring and evaluation of seed sources in the provinces of Tarlac and Nueva Ecija in Region III.

## II. OBJECTIVES

Generally, the activity aims to assess and evaluate the suitability of the proposed SPAs and IPTs of Region III in accordance with the criteria prescribed in DAO 2021- 21. Meanwhile, the specific objectives are as follows:

- a. Conduct preliminary assessment of the proposed sites in Tarlac and Nueva Ecija to determine the sites to be validated;
- b. Evaluate the suitability of the predetermined sites as new seed sources of the region through ground truthing activities and SPA/IPTs rating in accordance to criteria specified in DAO 2021-21; and
- c. Provide recommendations and technical assistance on the proposed SPAs/IPTs of the Region based on the results of the assessment.

## III. METHODOLOGY

Representatives from the FMB and ERDB were deployed to DENR Region III to monitor and evaluate the proposed SPAs/IPTs. Below is the team composition who conducted the evaluation and assessment:

*Table 1. Team composition from FMB and ERDB*

VALIDATORS	OFFICE
For. Francesca Ylaine A. Sandoval	FMB
For. Nina Camille C. Gonzales	FMB
For. Faith Manarin	ERDB
For. Rovidel Espiritu	ERDB
For. Paul Simon Adrian Lew Sarmiento	ERDB
Mr. David Carlo Balane	ERDB

The team ensured to conduct courtesy calls to the concerned DENR Field Offices in order to coordinate the execution of the assessment activities as well as to discuss any concerns with their proposed SPA/IPTs. This also included briefing the CENRO/PENRO representatives of the data collection methods to be used as well as the itinerary of the team (**Annex A**). The first location visited was the proposed seed source under the jurisdiction of PENRO Tarlac in San Jose and followed by the sites in Nueva Ecija in Carranglan under the area of responsibility of CENRO Muñoz.

Guidelines and criteria prescribed in DAO 2021-21 were considered in conducting the activity. Specifically, the team referred to Item 3.2 which is the grading scheme for selecting plus trees. Observations were documented using Annex 2 of the aforementioned DAO. The instruments used to measure the different data indicated in the said annex includes the rangefinder used to measure total height of each candidate plus trees; Global Positioning System (GPS) receiver used to get the Waypoint of each tree location; and diameter tape used to measure the actual diameter at breast height (DBH) reading.



#### IV. RESULTS AND DISCUSSION

##### *Entry Conference: Preliminary Assessment of Proposed Sites*

Region III was able to identify a total of five (5) proposed SPAs/IPTs in replacement of their existing ones in Bulacan, Tarlac and Nueva Ecija. The current sites were to be replaced as the seed sources utilized exotic species such as Gmelina (*Gmelina arborea*) and since the ENGP shall be focusing on the rehabilitation of PAs and Critical Areas indigenous species are encouraged to be produced.



Figure 1. Entry Conference with Regional NGP Coordinator For. Lezette Bernales (with black facemask) and former Regional NGP Coordinator For. Rizza Villar (in white t-shirt) at DENR Region III.

In Bulacan, the region proposed to replace their existing site in Brgy. Camachin, DRT, Bulacan that produces seeds of Auri (*Acacia auriculiformis*) to the proposed seed source in Brgy. Kalawakan, DRT, Bulacan which is proposed to focus on the production of Narra (*Pterocarpus indicus*) seeds. The ERDB and FMB interposed no objection as per preliminary assessment but due to time constraints, the team was unable to proceed to Bulacan. The team plans to head to the site on another occasion once the schedule of parties has been organized.

Meanwhile, the proposed site in Brgy. Gen. Luna, Carranglan, Nueva Ecija which was to replace the Gmelina SPA in Brgy. West Poblacion, Pantabangan, Nueva Ecija was first observed by the team to be within the Strict Protection Zone of Pantabangan-Carranglan Watershed Forest Reserve as well as within Certificate of Ancestral Domain Title (CADT) of the Bungkalot Tribe. Apparently, this may pose problems in the future with regards to the land use plan of the claimants but the team decided to visit the site for ground truthing and assessment.

Lastly, there were three (3) proposed sites in Tarlac to replace the current SPA in Brgy. San Jose, Mayantoc, Tarlac. The initial suggested SPA in Brgy. Burgos, San Jose, Tarlac, dominated by Dipterocarps species had no apparent issues thus the Team included the site in their itinerary. Meanwhile, the presented SPA in Brgy. Sta. Juliana, Capas Tarlac was found to be located inside a Military Reservation which hinders the accessibility of the site to the FEOs and FPOs as strict protocols are enforced before entering. Hence, the team advised the Region that the aforementioned area was not suitable as an SPA as it is vital that the area is accessible at all times especially for monitoring and protection purposes. Lastly, the site in Camiling was also not included in the shortlist of the Team as the species proposed to be produced is Alibangbang (*Bauhinia malabrica*) which is not a priority planting material for the program despite being indigenous.

**Table 2. List of Proposed New Seed Production Area/ IPTs in Region 3**

<b>PROPOSED NEW SEED PRODUCTION AREA/INDIVIDUAL PLUS TREE</b>				
<b>OFFICE</b>	<b>LOCATION</b>	<b>AREA</b>	<b>SPECIES</b>	<b>NO. OF PROPOSED SPA/IPTs</b>
		<b>(ha)</b>		
REGION				5
BULACAN				1
BALIWAG	So. Cogonan, Brgy. Kalawakan, DRT, Bulacan.	4	Narra	1
NUEVA ECIJA				1
MUNOZ	So. Binbin, Brgy. Gen. Luna, Carranglan, Nueva Ecija	4	Tangile, Red Lauan, Almaciga, Malinoag	1
TARLAC				3
CAPAS	So. Yukib, Brgy. Burgos, San Jose, Tarlac	4	Palosapis (dominant sp.), White lauan, Tangile, Apitong and Mayapis	1
	So. Manalal, Brgy. Sta. Juliana, Capas, Tarlac	4	White lauan, Apitong and Kupang	1
CAMILING	So. Canding, Brgy. Maasin, San Clemente, Tarlac	6.5	Alibangbang	1



## *Proposed IPTs in San Jose, Tarlac*

### Fieldwork

During the entry conference, PENRO Tarlac Celia D. Esteban along with the PENRO NGP Coordinator and SPA Focal Person expressed their plans to retain the existing SPA under the jurisdiction CENRO Camiling and establish the newly identified seed source in CENRO Capas. The team was able to clarify that no additional/separate funding shall be provided for the proposed sites while retaining the existing seed source under their jurisdiction considering that funding for both sites is not plausible since the budget allocated is intended for only one (1) Seed Source Area (SSA) per PENRO.



*Figure 2. Entry Conference in PENRO Tarlac with PENRO Celia D. Esteban (white blouse)*

The original plan of the PENRO was to establish a four (4)-hectare SPA in So. Yukib, Brgy. Burgos, San Jose, Tarlac consisting of species namely Tanguile (*Shorea polysperma*), Palosapis (*Anisoptera thurifera*), White Lauan (*Shorea contorta*), Apitong (*Dipterocarpus grandiflorus*) and Mayapis (*Shorea palosapis*). Since there are varying species, the team recommended establishing clusters of IPTs rather than an SPA which is characterized as a monoculture of plus trees.

There were over 800 Dipterocarp species, and out of that, 22 trees were randomly picked for evaluation (see **Annex B**). The physical properties such as the stem (straightness, forking, circularity); branching habits (angle, thickness, pruning) of the trees were recorded, as well as their general health. It was observed that of the total Candidate Plus Trees (CPTs), were mostly free of damage and/or illness, and exhibit the characteristics of an excellent quality mother tree. However, it was also observed that some of the sampled trees require treatment as they exhibit the presence of gummosis (see **Figure 3**), woody vines around the bole (see **Figure 4**), presence insect attacks (see **Figure 5**), and bulging of the bole (see **Figure 6**). It was also



observed that there were several wildlings of different species around the area which indicates the fertility of the plus trees.

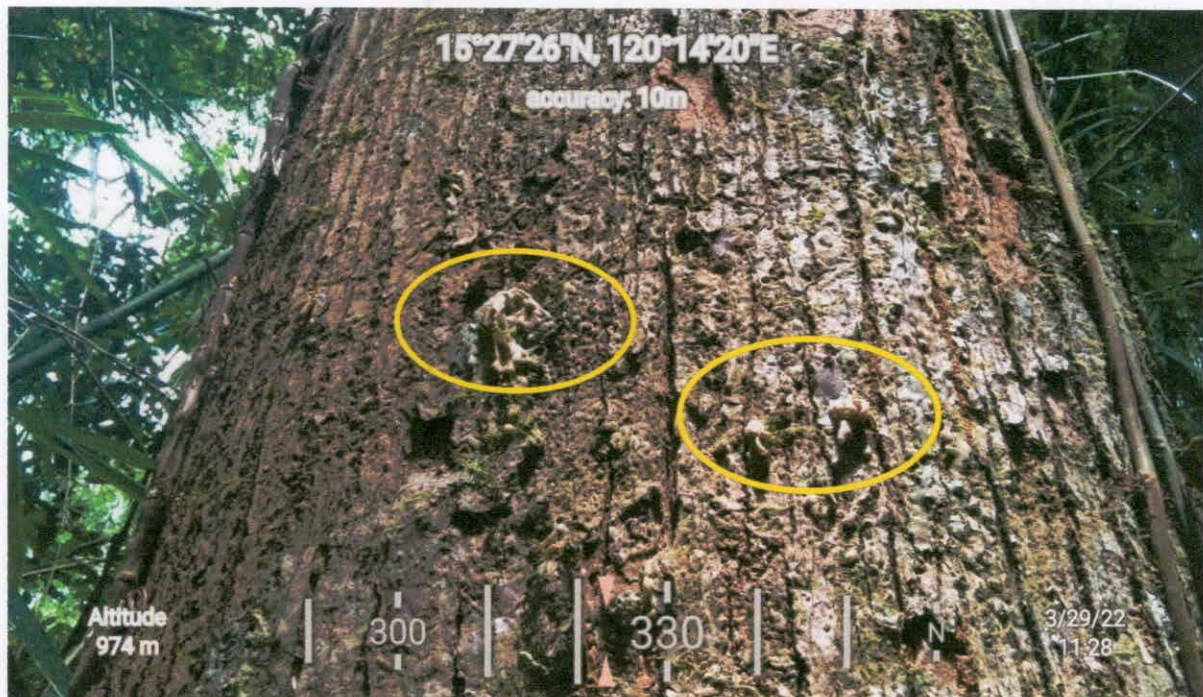


Figure 3. White lauan tree exhibits gummosis around the bark

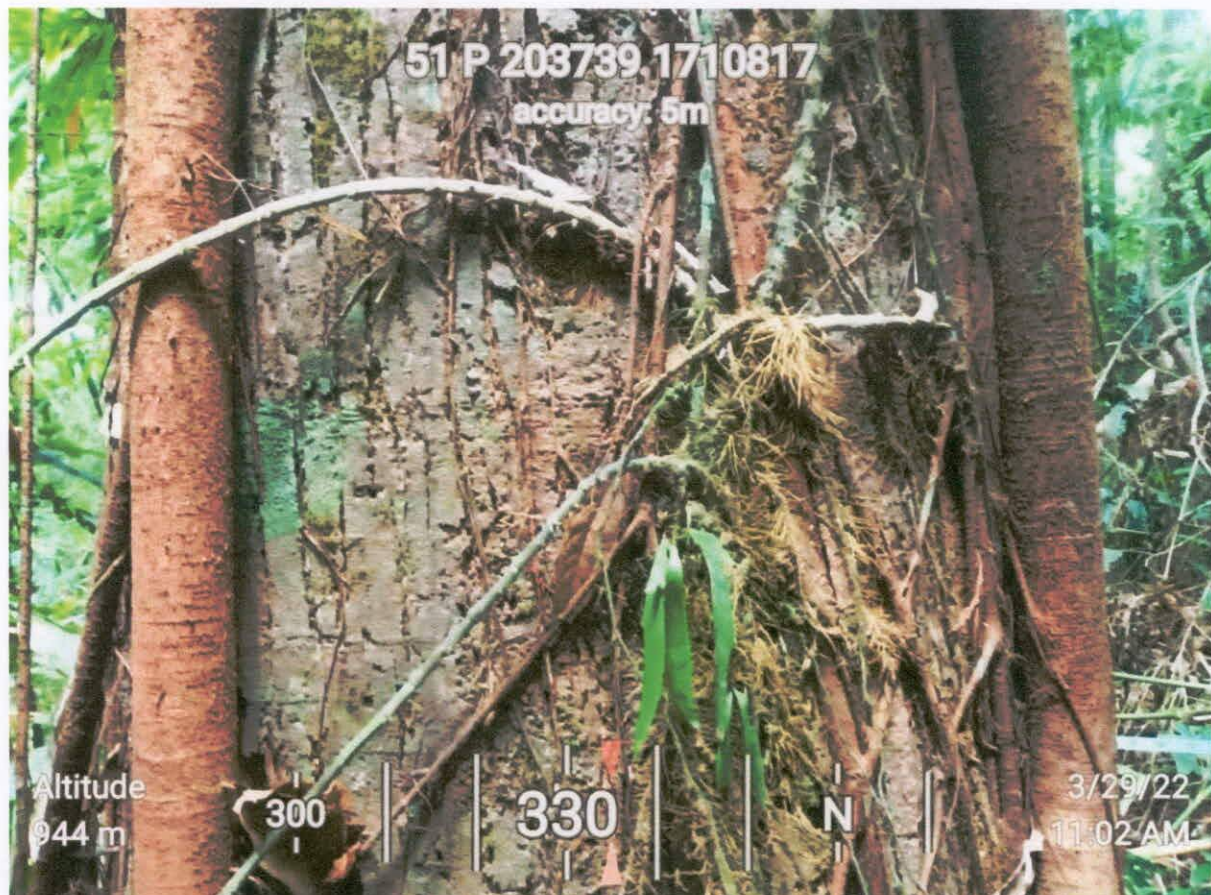


Figure 4. White lauan tree with woody vines around its bole.



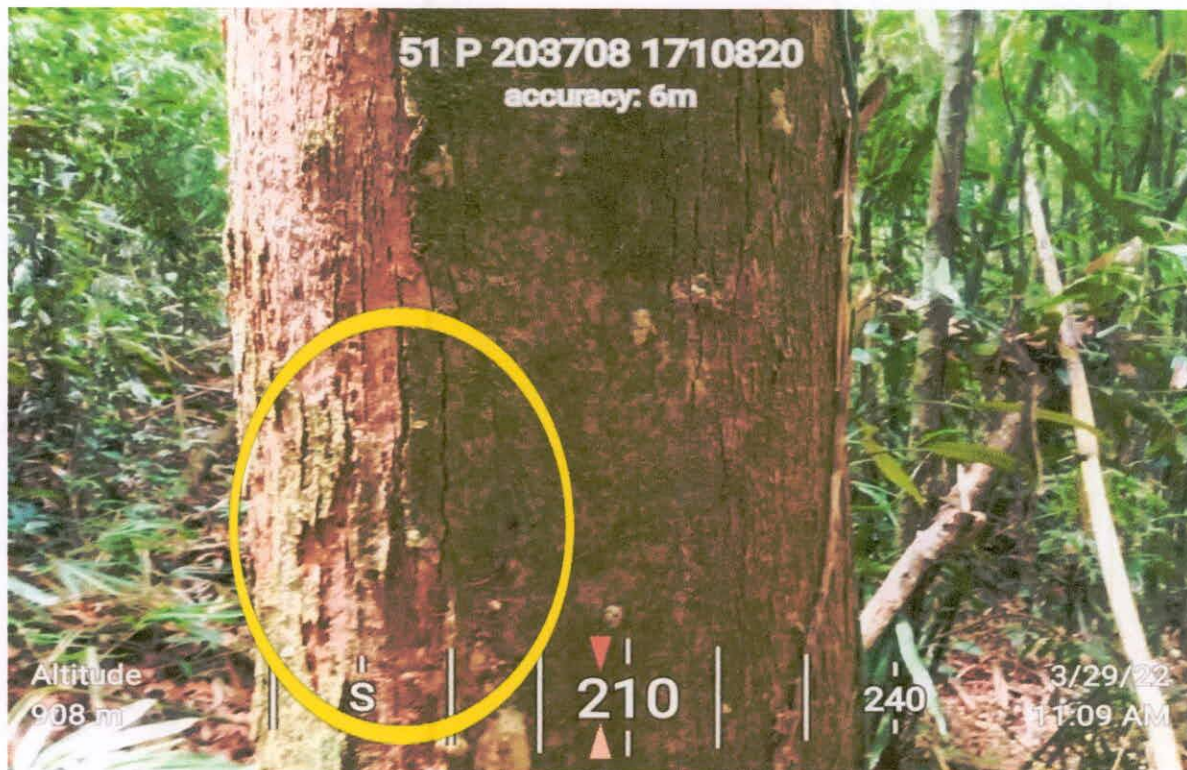


Figure 5. White lauan tree with evidence of insect infestation in its bark



Figure 6. Tanguile tree exhibits bulging of its bole



## *Proposed SPA in Carranglan, Nueva Ecija*

### *Fieldwork*

As mentioned in the discussion of the preliminary assessment of team during the entry conference, the proposed SPA/IPT site is of PENRO Nueva Ecija is within the Strict Protection Zone (SPZ) of the Pantabangan-Carranglan Watershed Forest Reserve (PCWFR) and is also covered by the Certificate of Ancestral Domain Title of the Bungkalot Tribes which posed unsuitability of the site for seed production purposes.



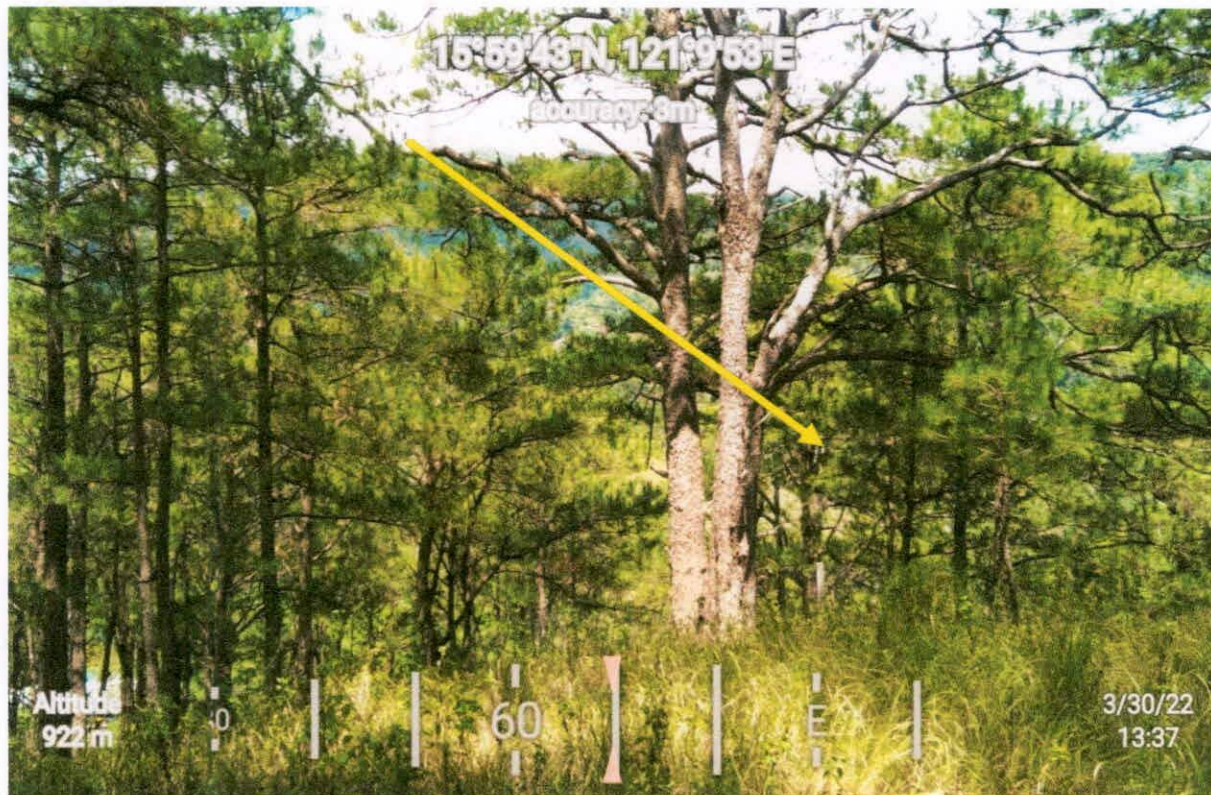
*Figure 7. Meeting in Sition Binbin in Resort with PENRO NGP Coordinator Melvin Marayag (with white paper) and CENRO Munoz NGP focal person/SPA focal person Raymond Celindro (beside PENRO Melvin)*

However, upon overlaying spatial data of the aforementioned PA and the proposed site, it was found that the areas did not coincide with each other. The site was apparently is more or less a 2-hour walk from the nearest road network which by standards should be only 400m from the nearest road network. Hence, this area was not able to satisfy such criteria as accessibility is important for hauling and transporting seedlings as well as Maintenance and Protection activities.

It was suggested by the team to identify other areas within the perimeter in which the CENRO/PENRO representatives themselves should distinguish. In this case, it was agreed by both parties that the portions with Mindoro Pine Trees (*Pinus merkussii*) may be potentially used as SPA/IPTs and were apparently accessible along the road.



Upon surveying the site, it was confirmed to be under the Mother CADT of the Bungkalot Tribe but individual titles have not yet been granted. Based on the DAO 2021-21 Section 3.3, the seed sources are also possible under tenured areas as long as there is coordination with the National Commission on Indigenous Peoples (NCIP), CADT holders and the DENR. But it was also observed that there were fences (see **Figure 8**) surrounding the perimeter which could be an indication that the area is privately owned or with claimants which was foreseen to pose a conflict in the future with regards to seed collection in the area.



*Figure 8. Fences along the perimeter of the area*

In order to address such matters, the team visited the house of chieftain of the Bungkalot tribe to discuss other possible SPA sites near the area. Unfortunately, the chieftain was on trip and the PENRO was advised to further communicate with the chief for their possible proposed IPT in the area.

## V. RECOMMENDATIONS

The following are the recommendations of the undersigned upon the conduct fieldwork/assessment:

Issues/Concerns and Observations	Recommendation	Responsible Office/s
1. There was a confusion with regard to the officially delisted sites of Region III.	A memorandum shall be drafted addressed to all regions for the reiteration of the officially delisted sites and updated status as well as instruction guidelines regarding the replacement/process of delisting of the sites.	FMB
2. The Region was unfamiliar with the current guidelines and criteria for SPAs/IPTs thus they were unable to identify their CPTs prior to the conduct of the validation and assessment of the Team.	<p>Discussion/roll-out of DAO 2021-21 to the CENROs/PENROs should be conducted.</p> <p>The CENROs/PENROs concerned are advised to identify their CPTs as soon as possible in order to delist existing sites to be included/revised in the FY 2023 funding. (PENRO Tarlac and Nueva Ecija)</p> <p>The concerned offices must submit a report regarding their identified CPTs to the FMB and ERDB to conduct validation and assessment activities.</p>	<p>ERDB</p> <p>Regional Office/PENRO/ CENRO</p> <p>Regional Office/PENRO/ CENRO</p>
3. Field Offices lack the necessary tools and equipment for monitoring and maintenance activities for SPAs/IPTs.	Tools and equipment such as range finder, diameter tape and GPS shall be reviewed and considered for policy formulation/amendment.	FMB
4. PENRO Tarlac would like to retain the delisted sites, however, no funds are available for the additional seed sources. They inquired if they could enter into private partnerships for funding the delisted sites.	Adoption or partnerships with private entities may be done to retain the would-be delisted SPA but in the presence of a Memorandum of Agreement (MOA) between the DENR and private entities. In addition, the FMB must be informed prior to the agreement.	Regional Office



Also, attached herewith is the draft memorandum regarding the reiteration of the officially delisted sites identified during the workshop on the status of seed source areas and capacity building on seed source establishment, management, operation and seed technology on 16 August 2019 for the guidance of the DENR Field Offices.

FOR THE DIRECTOR'S INFORMATION AND CONSIDERATION.



**FOR. FRANCESCA YLAINE A. SANDOVAL**  
FRCD-RFRS



**FOR. NINA CAMILLE C. GONZALES**  
FRCD- RFRS

**Noted by:** -



**CRIS ANGELO N. VISPO**

In-Charge, Reforestation and Forest Rehabilitation Section



**Annex A.** Itinerary for the Conduct of Site Assessment and Identification of Proposed Seed Source Areas in Region III

Date	Activity	Office
March 28, 2022 (Mon)	Travel to San Fernando, Pampanga	DENR Regional Office, Region III
	Entry conference in Regional Office	
	Travel time to Tarlac	PENRO Tarlac
March 29, 2022 (Tue)	Courtesy Call with PENRO	PENRO Tarlac
	Field Work in Tarlac	PENRO Tarlac
March 30, 2022 (Wed)	Travel time to Nueva Ecija	PENRO Nueva Ecija
March 31, 2022 (Thurs)	Field Work in Nueva Ecija	PENRO Nueva Ecija
	Data consolidation, Exit Conference in Regional Office	
April 1, 2022 (Fri)		DENR Regional Office, Region III
April 1, 2022 (Fri)	Homebound	



**Annex B.** List of Sampled Potential Candidate Plus Trees within the Proposed Area in Tarlac Province

		GPS Reading		STEM				BRANCHING HABIT					
Species	Tree No.	Easting	Northing	DBH (cm)	Height (m)	Straightness Form	Axis Persistence For	Circularity	Angle	Thickness	Pruning	Tree Health	REMARKS
White Lauan	1		WP 42	59.8	20.4	2	3	3	3	2	1	3	
White Lauan	2		WP 43	144	16.6	3	3	3	3	2		3	
White Lauan	3		WP 720	47	28	2	3	3	3				
White Lauan	4		WP 46	190	17.2	2	3	3	2	3		3	
White Lauan	5		WP 45	200.5	20.4	2	3	3	2	2		3	presence of lianas
White Lauan	6		WP 46	90.7	14.8	3	3	3	3	2		3	presence of lianas
White Lauan	7		WP 47	123	20.6	3	3	3	3	2		3	vines
White Lauan	8		WP 48	130.2	16.4	2	3	3	2	2		3	vines
White Lauan	9		WP 49	175.5	24.4	2	3	3	2	2		3	
White Lauan	10		WP 50	165.8	23.4	3	3	3	3	2		3	
White Lauan	11		WP 51	201	20.2	3	3	3	2	3		3	vines
White Lauan	12		WP 52	138	23.4	2	3	3	2	3		3	
palosapis	13		WP 721	82.7	29.1	3	3	3	3	2	3	3	
White Lauan	14		WP 722	47.4	22.1	3	3	3	2	2	3	3	
White Lauan	15		WP 723	52.8	26.6	3	3	3	3	3	3	3	beside WP 724
gatasan	16		WP 724	290	28.9	2	2	3	2	3	2	2	beside WP 723
White Lauan	17		WP 725	61.8	26.3	3	3	3	3	3	3	1	with gummosis
apitong	18		WP 726	52.8	24	3	3	3	3	3	3	3	
lauan	19		WP 727	52.7	22.7	3	3	2	3	3	3	3	1m from WP 726
White Lauan	20		WP 728	36	21	2	3	3	3	3	3	2	presence of insect
saplungan	21		WP 729	91.9	18.6	2	3	3	2	2	2	3	with epiphytes
tanguile	22		WP 730	97	31.1	3	3	2	3	3	3	3	bulging bole



**Annex C. Memorandum from Region III to ERDB re Request for Assessment and Identification of Proposed New Seed Production Area (SPA)**



Republic of the Philippines  
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES  
Region 3, Diosdado Macapagal Government Center, Maimpis,  
City of San Fernando, Pampanga

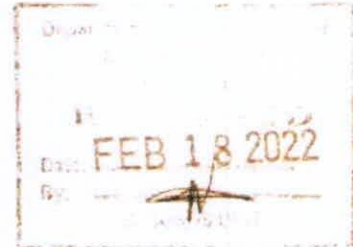
**MEMORANDUM**

**FOR :** The Director  
Ecosystems Research and Development Bureau

**FROM :** The Regional Executive Director

**SUBJECT :** **REITERATION ON THE REQUEST FOR ASSESSMENT AND IDENTIFICATION OF PROPOSED NEW SEED PRODUCTION AREA (SPA) IN REGION 3**

**DATE :** February 8, 2022



This is to respectfully reiterate our memorandum dated May 10, 2021 regarding the request for assistance on the possibility of delisting the three (3) Seed Production Areas (SPAs) located in the provinces of Nueva Ecija, Tarlac, and Bulacan, that used exotic tree species (Gmelina and Acacia Auri) in their respective SPA.

In addition, please be informed that our field offices already identified and conducted initial assessment on the new SPAs and/or IPTs with indigenous tree species in replacement to the existing SPA with exotic species. (Please see attached reports)

Hence, this office is requesting for the assessment of said SPAs and comments on the pre-identified areas as this will be used as guidance of our field office in implementing the said activity.

Attached is the copy of the said memorandum for your ready reference.

For information and consideration.

**ENGR. PACUITO D. MORENO JR., CESO III**

*Copy furnished.*

*- Undersecretary for Field Operations and Environment  
- Forest Management Bureau Director*

**Annex D. Memorandum from ERDB to FMB re Conduct of Monitoring and Evaluation of the DENR Seed Sources**



Department of Environment and Natural Resources  
Ecosystems Research and Development Bureau

March 07, 2022

**MEMORANDUM**

**FOR** : The Assistant Secretary for Policy, Planning, and Foreign Assisted and Special Projects and FMB Director, in concurrent capacity

**THRU** : The Chief, FRCD  
FMB

**FROM** : The Director

**SUBJECT** : **CONDUCT OF MONITORING AND EVALUATION OF THE DENR SEED SOURCES**

This is in reference to the Monitoring and Evaluation of the DENR Seed Sources. ERDB and FMB has agreed to conduct a joint Monitoring and Evaluation (M&E) of the DENR Seed Sources managed by the Field Offices on a workshop conducted in San Fernando, La Union in February 2019. To continuously assure proper management and operation of the Retained Seed sources, ERDB contrived to conduct a Monitoring and Evaluation of the said Seed sources.

In line with this, we would like to request for your office to provide personnel on the conduct of the joint M&E for this year. ERDB will coordinate with you regarding the schedule of the M&E activities.

**FOR YOUR CONSIDERATION AND APPROVAL, PLEASE.**

  
**MARIA LOURDES G. FERRER, CESO III**



**Annex E. Memorandum from ERDB to DENR Region III re Request for Assessment and Identification of Proposed New Seed Production Area (SPA)**

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Department of Environment and Natural Resources  
Ecosystems Research and Development Bureau

March 16, 2022

**MEMORANDUM**

**FOR :** The Regional Executive Director  
DENR-Region 3, San Fernando, Pampanga

**FROM :** The Director

**SUBJECT :** **REITERATION ON THE REQUEST FOR ASSESSMENT AND IDENTIFICATION OF PROPOSED NEW SEED PRODUCTION AREA (SPA) IN REGION 3**

This is in response to your memorandum regarding the Request for Assessment and Identification of Proposed New Seed Production Area (SPA) in Region 3.

In this connection, we are pleased to inform you that our ENGP staff will be available to do the assessment of the identified replacement sites on March 28 to April 1, 2022. An ENGP staff will contact your office to coordinate on the matter.

FOR YOUR INFORMATION.

MARIA LOURDES G. FERRER, CESO III

**Annex F. Memorandum from FMB to ERDB re request for Additional Information on the Request for Assessment and Identification of Proposed New SPA in Region III**



Republic of the Philippines  
Department of Environment and Natural Resources  
**FOREST MANAGEMENT BUREAU**  
Visayas Avenue, Diliman, 1100 Quezon City  
Tel. No.: (632) 8925-2141 / (632) 8927-4788  
E-mail Address: fmb@denr.gov.ph Website: <https://www.forestry.denr.gov.ph>

**MEMORANDUM**

**FOR :** The Director  
Ecosystems Research and Development Bureau  
  
The Regional Executive Director  
DENR Region III

**FROM :** The Assistant Secretary for Policy, Planning, and Foreign Assisted and Special Projects, and Director, in concurrent capacity

**SUBJECT :** **REQUEST FOR ADDITIONAL INFORMATION ON THE REQUEST FOR ASSESSMENT AND IDENTIFICATION OF PROPOSED NEW SEED PRODUCTION AREA (SPA) IN REGION III**

**DATE :** **MAR 21 2022**



This has reference to the Memorandum dated February 8, 2022 from the DENR Region III, copy furnished this Office, regarding the assessment of Seed Production Areas (SPA) of Bulacan, Nueva Ecija, and Tarlac.

Based on the report, the Region has already conducted initial assessment on the proposed SPAs and/or Individual Plus Trees (IPTs) with indigenous species to replace the existing SPAs with exotic species.

In line with this, we would like to request the following:

Concern	Office concerned
Copy of shapefiles of the proposed SPAs	Regional Office
Tentative schedule of the joint SPA/IPT Assessment	ERDB

Above-cited data will be used for our initial review and reference.

**FOR YOUR INFORMATION AND FURTHER ACTION, PLEASE.**

  
**MARCIAL C. AMARO, JR., CESO II**

*Copy furnished:*

*The Undersecretary for Policy, Planning and International Affairs*