



November 5, 2018

**DIVISION MEMORANDUM**

No. 741, s. 2018

**10 M in 10: QUADRANT SAMPLING AND GEO-TAGGING**

**To :** Asst. Schools Division Superintendents  
Chiefs, CID & SGOD  
Division Education Program Supervisors/Division Coordinators  
Public Schools District Supervisors/District-In-Charge  
Public Elementary & Secondary School Heads  
All Others Concerned

1. In support to the 10M in 10 movement, attached is the Quadrant Sampling Methods on how to determine the quantitative information of different organisms that you need to get from a particular area and the Geo-Tagging in getting the geographical information from your sites. which is self-explanatory.
2. In this regard, all district NGP/10 m in 10 movement Coordinators are directed to submit reports on November 12, 2018 following the attached template applying the steps on how to do Geo-Tagging and Quadrant Sampling.
3. For more information, call or message at 0955.563.4298 or send an email to frdilig.10Min10years@gmail.com
4. Immediate dissemination of this memorandum is desired.

  
**WILFREDA D. BONGALOS, Ph.D., CESO V**  
Schools Division Superintendent

cid/abbjr.

05 NOV 2018



Republic of the Philippines  
**DEPARTMENT OF EDUCATION**  
Region VII, Central Visayas  
**SCHOOLS DIVISION OF NEGROS ORIENTAL**  
www.depednegor.net

**10M in10 Years Movement**

District: \_\_\_\_\_

As of: \_\_\_\_\_

No.	Name of School	School Head and Contact No.	No. of Trees Planted	Surviving Trees	Location	Species

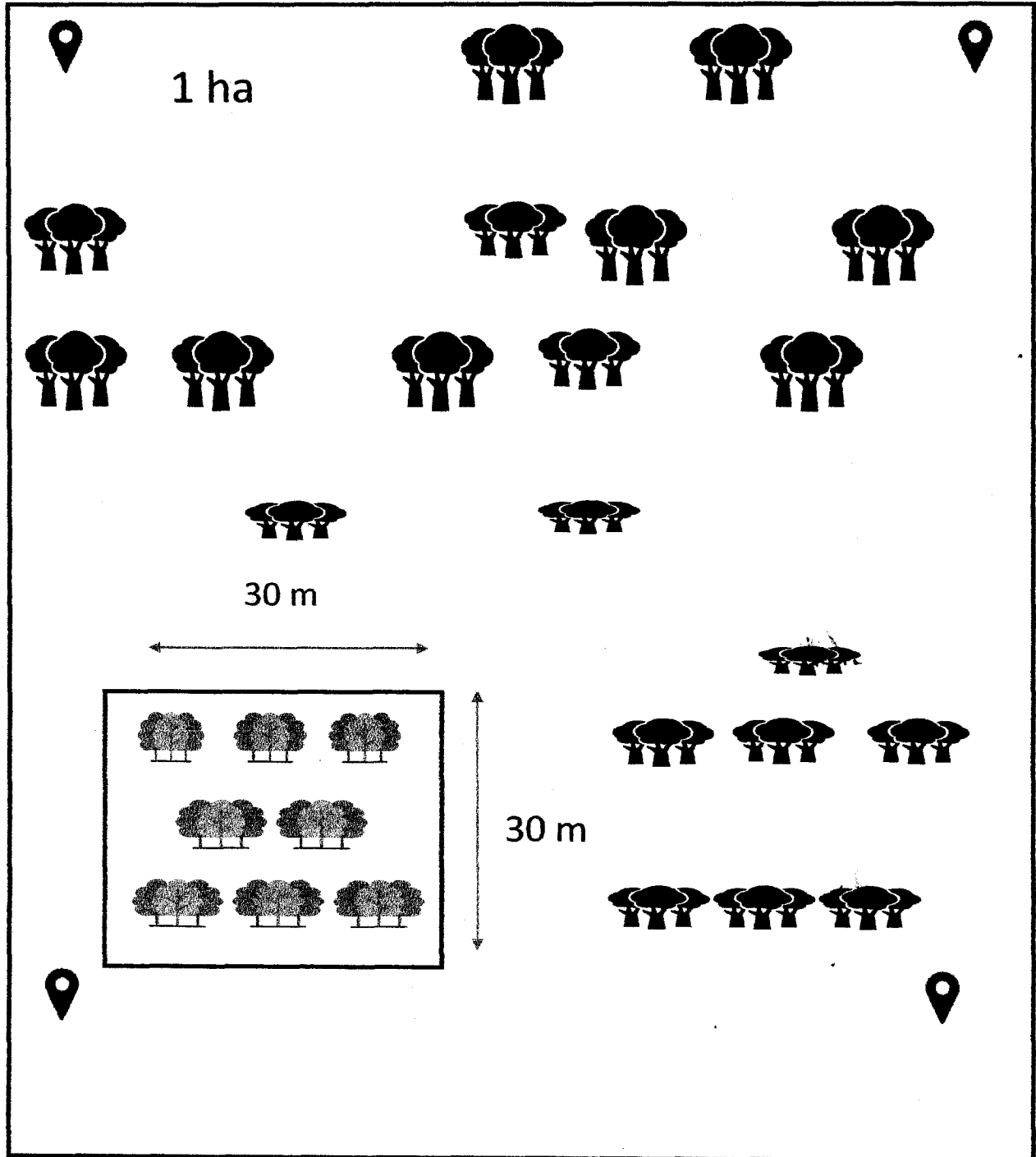
Prepared by:

Noted:

\_\_\_\_\_  
Dist.NGP/10M in10 Movement Coor.  
Contact No.\_\_\_\_\_

\_\_\_\_\_  
PSDS

**10M in 10: QUADRAT SAMPLING and GEO-TAGGING**





Quadrat sampling is a method used in determining the quantitative information of different organisms that you need to get from a particular area. While Geo-tagging is a process of getting geographical information from your sites. In the 10M in 10 movement, we are requesting you to do these methods with the help of our Forest Restoration Management Officer for your own assessment, which should include mortality rate, survival rate, and frequency of species, on your planted site.

To guide you more, the following materials and steps are stated below:

**Materials:**

- GPS handheld or GPS applications on android phones like GPS Garuda
- Compass on phones or GPS handheld
- Tape Measure
- Stakes – made of bamboo, wood or branches that are sturdy enough to withstand rain, wind and heat
- Plastic straw rope or any type of rope
- Monitoring Template
- Ballpen or Pencil

**Steps on How to Do Geo-Tagging:**

- Determine the borders of the entire planted site.
- On each border, stand on it and read the coordinates using any GPS applications or handhelds. (The format should be in degree, minute and second)
- Mark at least 4 points of the borders of the planted site – including different directions such as North, South, West, and East or combinations of North to South due of the latter two directions that shall cover the entire site.
- Record each coordinate on the Monitoring Template

**Steps on How to Do Quadrat Sampling:**

- Make a reconnaissance survey in your planted site. Choose an area that you think will genuinely represent your whole planted site from your plot.
- Establish a 30 x 30 m quadrat or plot using your tape measure.
- Use the stakes as markers on the four corners of the quadrat.
- Use compass to align one corner to another, so you need to have one angle for each border of the quadrat.
- For setting up the borders of your plot, use the straw or rope.
- After establishing your plot, it is now time to work on it. Count the number of surviving trees and dead trees present in your quadrat.
- Identify the species and its frequency in the plot.
- Optional: you can also determine the height of the trees if you want further assessment
- Record everything on the Monitoring template.

THANK YOU!

For more information, you can call or message us at 0955.563.4298  
or send an email to [frdilig.10Min10years@gmail.com](mailto:frdilig.10Min10years@gmail.com).

