

Mekong Native Species Nursery

Ecological Landscape of 3R Co-governance & Enrichment



Site Identification

- Right site for best energy flow
- Do diagram and transect cutting before preparing the site
- Environment that balances sunlight, wind and water
- Receives ample morning sunlight, sheltered from heavy winds and protection from afternoon sun heat
- Easy access to water source



Preparation of the site

- Essential for maintaining adequate ground water
- On a slope or uneven land, contour principles are to be applied to manage water flow effectively
- Prevent water from flowing downhill in a way that causes flooding or soil erosion/ floating



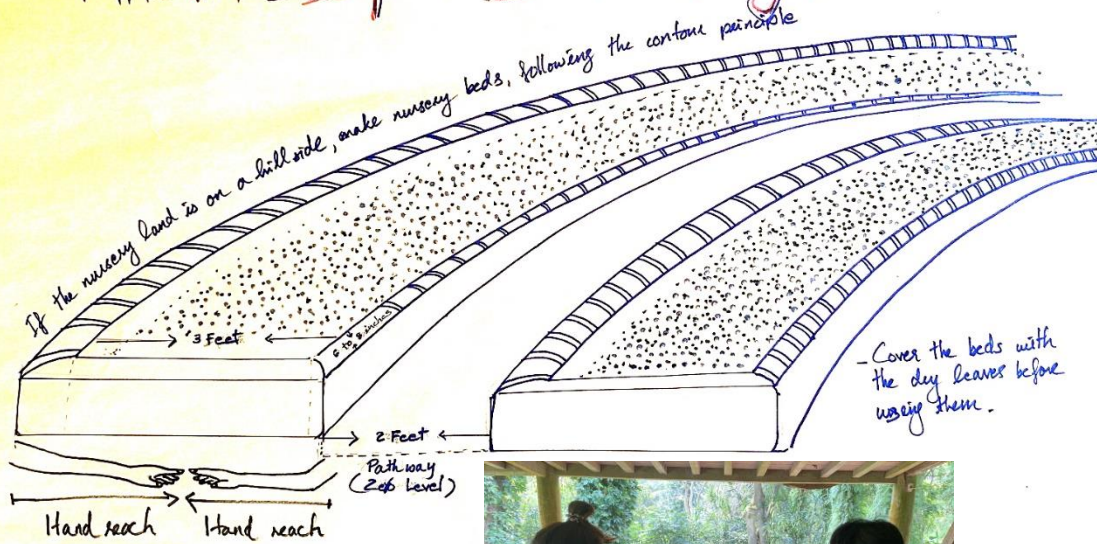
Bed & Pathway

- To be constructed at a zero-level of the surface to promote even water distribution
- The width of each bed should allow for easy access of hand reach from both sides
- The space between beds should be as wide as a person's shoulders to facilitate comfortable movement
- Prepare well the layers of humus and air within the top inches of soil
- The beds should be bordered using soil and materials like bamboo or banana trunks



Bed & Pathway Adjustment & Reflection

Establishing Native Species Nursery Farm



- Use sandy soil for the basement
- Seeds are spread and covered thinly with sandy soil
- If seeds are very delicate / small mix with sandy soil and spread
- Use sprayer for watering

Make sunshade
not too low or
too high

- Once the seeds have sprouted to a height of 2 to 4 inches, remove the sunshade at night

As large for
convenience of
body movement



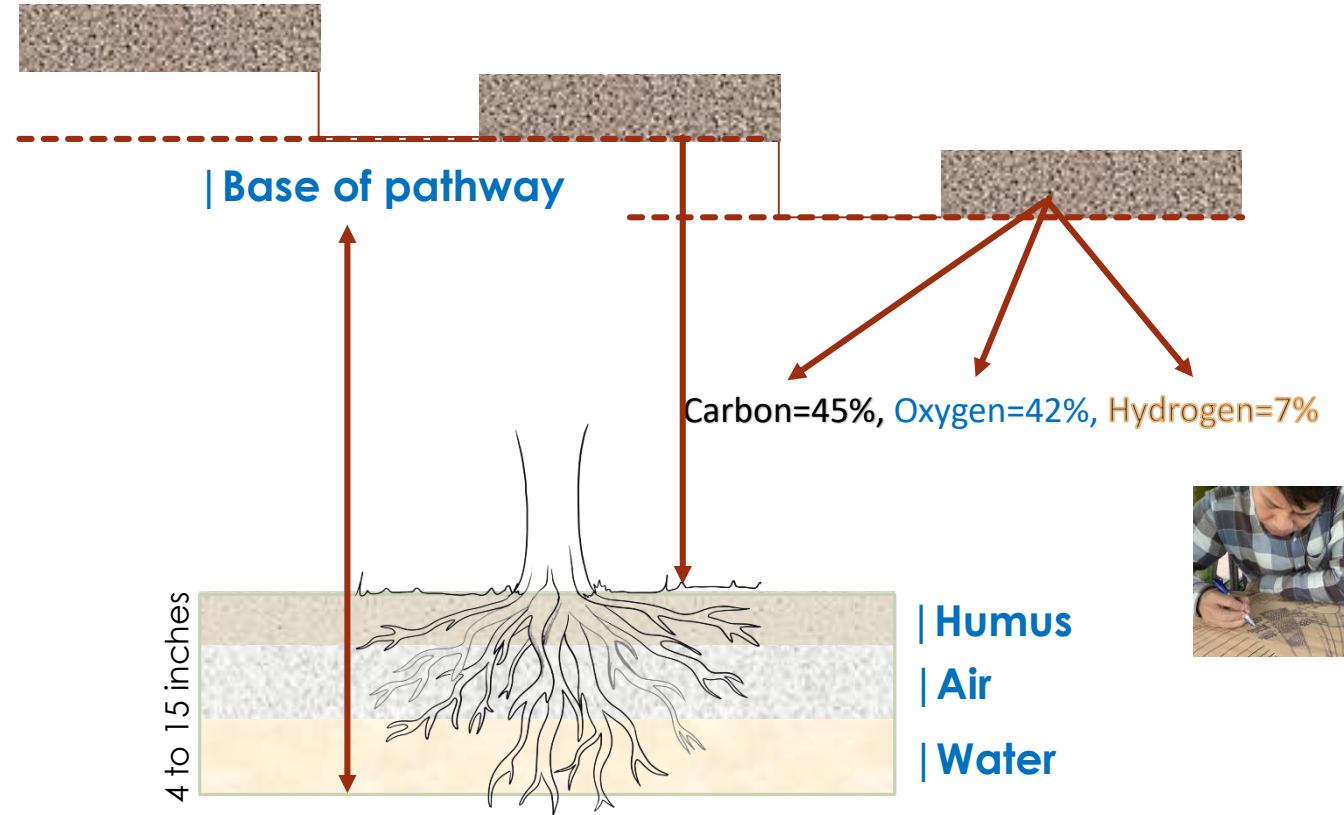
- Sift the soil
- Put the sifted soil into the bag without pressing it down
- Arrange 4 bags in a row
- Leave space after every 4 to 5 rows
- Fill the soil in each space

- Relocate the nursery bags periodically until the plants are ready/mature to be transplanted.
- If a plant/young tree from the mother tree, is to be transplanted to the nursery, cut the top of the main root and put it into nursery bag within hours.



Essential elements of topsoil layer

The space between the beds should be at the same level as the zero base of the lower bed.



4. Collecting the mother seeds

- Look for the mother trees/plants
- Record the location using GPS
- Record date , the name of the tree/plant and the person collecting seeds





Caring the young plants

- Seedlings in their bags should be positioned under a higher sunshade
- Remove the cover in the morning to expose them to sunlight, but replace it in the afternoon to protect them from direct sun heat
- Relocate them periodically to control/slow down their growth rates (if they plants are not yet scheduled to be transplanted)
- Arrange the bags accoding to the height of the plants (placing the lower plants in the middle)
- Cut the roots that extend beyond the bags to strengthen the plants and support their maturity



Nature is Blessing All



Thank you for your attention

