

# Proteak Uno SA de CV

## Summary of Plantation Management Plan

December 2007

Proteak Uno SA de CV is a Mexican corporation whose principal business objective is the production of teak logs and teak products, for sale in national and international markets.

Proteak's plantations are registered by the Secretaria del Medio Ambiente y Recursos Naturales of the Nayarit State Delegation under the following codes: 118011LIB01, 118012VIC01 and others.

Furthermore, Proteak Uno is a certified Forest Management Organization by the Forest Stewardship Council (FSC) under certificate SW-FM-2110.

### Highlights of the Management Plan:

Land Use	Year	Hectares	Acres
Total land owned	2007	2010	4966
Conservation	2007	529	1397
Accumulated Planted Area	2007	1481	3659
Planned plantations	2008	1160	2866

Tree Species Planted	Scientific name	Percentage
Teak	<i>Tectona grandis</i>	95%
Melina	<i>Gmelina arborea</i>	4%
Apamate	<i>Tabebuia rosea</i>	1%

Initial stand density: 1000-1100 trees per hectare

Plantation layout: Square 3 by 3 meters

Fertilization:

Dolomitic lime (organic), years 1, 6 and 12

Potassium nitrate and calcium superphosphate, year 1 only

Weed control:

(Per Hectare in a 25 yr rotation)

Hand weedings: no more than 10 times

Glyphosate weeding: no more than 5 liters

Amine weeding: no more than 1.5 liters

Pruning

From 1/3 to 1/2 the stem height

#### Thinnings:

- First thinning: year 4 to 6 reduce up to 50% of stand density
- Second and third thinnings as are needed
- Final stocking 100 to 200 trees per hectare

#### Volume of available wood:

Reported yearly by the timber inventories

#### Harvest

- Chainsaw harvest, directional felling
- Forwarding with 65 hp agricultural skidder with a 10 ton self loading rack

#### Roads

- Firebreaks: 100 kms
- Forwarding roads: 60 kms
- Main roads: 15 kms

**Note: Management plans are authorized for a minimum of 50 years 2003- 2052**

#### Management plan restrictions

All plantation management plans have government imposed restrictions

1. 10 meter buffer zone adjacent to streams must be preserved
2. Management plans are transferable only with written government authorization
3. Government can stop negative environmental effects
4. Proteak should take the following criteria from the environmental legislation:
  - a. Sustainable use of water
  - b. Soil conservation
  - c. Water habitat contamination
  - d. Soil contamination
  - e. Forest fire prevention
5. Monitoring of spontaneous regeneration
6. Should use pesticides approved by the federal government
7. Apply alternative systems for pest control
8. Biological corridors should be kept between forested areas
9. No fuels or lubricants should be spilled on the plantations
10. That land be kept productive after harvest
11. No hunting

For issues related to this management plan and its implementation please contact Hector Bonilla, Proteak Founder at [hb@proteak.com](mailto:hb@proteak.com) or 512 847 6024.