

PNG Forest Research Inst.



Established: 1989 in Lae.

Mission: Provide the scientific basis for the management of the country's forest resources.

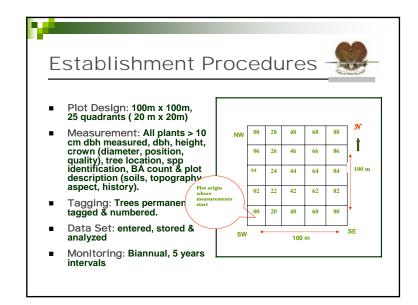
Research: Prime responsibility is to conduct research into all aspects of forest management. PNGFRI to establish and maintain the capacity to conduct research, undertake research, and interpret and communicate the research results to its clients.

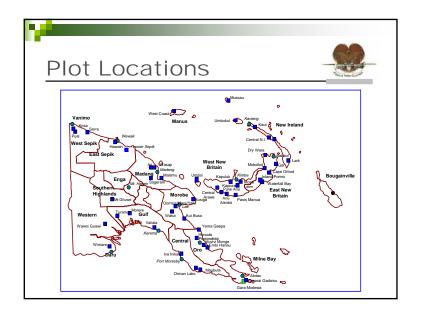


Permanent Sample Plot



- Objective: "monitor growth & yield, forest dynamics, and recovery of the forests following commercial harvesting".
- ITTO: International Tropical Timber Organisation funded Research Project on the growth and yield of tropical lowland rain forests of PNG commenced in 1992.
- National Coverage: 135 plots now (13 control plots in pristine forests). Covers major forest types & widely distributed throughout the country.
- Data: Data compatible with International Standards.
 Manuals & computer database & a growth model have been developed.





Sample Results



Average Stand table of selected plots (Stems > 10 cm dbh/ha)

Disturbed	Disturbed	Disturbed	Disturbed
400			
436	77	22	121
203	31	8	46
Undisturbed	Undisturbed	Undisturbed	Undisturbed
411	58	33	227
465	50	31.5	211
	Undisturbed 411	Undisturbed Undisturbed 411 58	Undisturbed Undisturbed Undisturbed 411 58 33





A useful tool in aiding Forest Management.

- Determination of cutting cycles
- · Silvicultural treatment regimes.
- Determination of recruitment & mortality patterns of commercial tree spp.
- Bases for estimation carbon stock
- Classification of site productivity using indicator tree species



Future



- Continue with current plot management including establishment of new plots in sites not represented & in Pristine forcets
- Insert useful parameters necessary for estimating carbon stock (biomass measures) .
- PSPs will become the focal point in quantifying carbon stock in PNG.



Key Messages



- PNG PSPs were initiated prior to carbon storage and estimation.
- Confident of the database will serve various uses.
- Single reporting system

