

**PERMANANET SAMPLING PLOT  
MONITORING UPDATE  
ULU SEGAMA-MALUA SUSTAINABLE FOREST MANAGEMENT PROJECT  
IN 2011**

In 2011, the monitoring of Permanent Sampling Plot (PSP) of silviculture treatment area merely covered (6) plots over (37) established plots. The major factor that impeded monitoring works is accessibility, whereby most of forest roads and culverts were deteriorated and collapsed due to heavy rain.

The PSP plots were established in circular shape of 15 m radius, whereby all standing trees above 10 cm diameter breast height are measured. Based on the recent monitoring data over (6) plots which established in 2009 and 2010, the mean of annual diameter increment is **1.30 cm** (regardless of species). The lowest mean annual increment is **0.44 cm** and the highest is **2.22 cm**, respectively. Treatment is focused on silviculture tending by cutting the climbers vegetation, such as climbing bamboo (*Dinorchloa* spp.) and other woody veins using manual method and no chemicals application is allowed.

Table 1: Summary of PSP Monitoring in 2011 within silviculture treatment area.

No.	Plot #	Year Establishment	Average diameter increment 2011 (cm)
1	PSP1-A2	2009	0.44
2	PSP3-A1	2010	2.22
3	PSP4-A2	2010	1.06
4	PSP5-A2	2010	1.18
5	PSP6-A1	2009	1.95
6	PSP8-B1	2009	0.93
Mean annual diameter increment (cm)			1.30