

FCM and Inventory Measurement Times

Values in Yellow can be changed		
Plot Rate Parameters	Value	Unit
Time B/W Plots	00:30:00	hh:mm:ss
Set up and pack up time	00:20:00	hh:mm:ss
Working day hours (from forest location)	09:00:00	hh:mm:ss
Tree stocking	20	per plot
Ave PSP Measurement Time (per tree)	00:01:47	hh:mm:ss
Additional FCM Measurement Time (per tree)	00:01:23	hh:mm:ss
FCM Only Plot time	00:00:25	hh:mm:ss
FCM Multiplier	29.64%	

Plot Rate Calculation (Times given in h:m:s)	Inventory Only	Inventory and FCM	FCM Only
Tree Measurement Time	00:01:47	00:03:10	00:01:48
Total Plot Measurement Time	00:35:40	01:03:20	00:36:00
Plot + Walk Measurement Time	01:05:40	01:33:20	01:06:00
PLOT RATE (Plots Per Day)	7.9	5.6	7.9

PLEASE NOTE

This calculation is for illustrative purposes only

The calculation does not include the time taken to travel and from the forest location

This calculation assumes that the travel to the first plot from the forest location is half the average time between plot:

This calculation assumes that the travel to the forest location from the last plot is half the average time between plot:

Time B/W Plot (min)	Plots Per Day			FCM Multiplier
	Inventory Only	Inventory and FCM	FCM Only	
15	10.3	6.6	10.2	35%
30	7.9	5.6	7.9	30%
45	6.4	4.8	6.4	26%
60	5.4	4.2	5.4	22%
75	4.7	3.8	4.7	20%
90	4.1	3.4	4.1	18%
105	3.7	3.1	3.7	16%
120	3.3	2.8	3.3	15%
135	3.0	2.6	3.0	14%
150	2.8	2.4	2.8	13%
165	2.6	2.3	2.6	12%
180	2.4	2.1	2.4	11%
195	2.3	2.0	2.3	11%

