

## **Appendix B – Equipment List**

	PLOT COMPONENT	Plot navigation	Ground plot site	Site Disturbance	Plot origin	Plot treatment	Small and coarse woody Surface substrate	Shrub and herb clipping for Fine woody debris	Forest floor organic	Small tree information	Soil pit and horizon	Soil bulk density	Large tree information
Item Number	FIELD EQUIPMENT (quantity in brackets)												
1	(1) geographic positioning system (GPS) for measuring latitude and longitude in the field	x	x										x
2	(1) suunto/clinometer (or vertex hypsometer) for measuring slope, tree heights and tilt angle of CWD		x				x						x
3	(1) compass for measuring aspect and azimuths, transect and plot orientation	x	x				x						x
4	(1) tight chain	x											
5	mid-scale (e.g. 1 to 20,000) aerial photos of plot	x											
6	forest cover area map of plot	x											
7	(1) small axe for blazing tree	x											
8	historical site information or management records for measuring disturbance and mortality			x									
9	historical site information or management records for measuring vegetation and regeneration				x								
10	historical site information or management records for measuring treatment					x							
11	(2) 30.0-m tapes for laying out WD transects						x	x	x				x

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Item Number	FIELD EQUIPMENT (quantity in brackets)													
12	flagging tape	x					x							x
13	logging paint	x					x							x
14	(1) small woody debris (> 1.0 and <= 7.5 cm diameter pieces) aluminum go-no-go tool						x		x					
15	(1) diameter tape						x							x
16	(1) plumb bob (optional) for measuring which woody debris falls under the transect						x							
17	paper grocery bags for collecting clipped shrub, herb, fine woody debris (<= 1.0 cm diameter pieces) samples							x	x	x				
18	heavy-duty field scissors for clipping shrubs and herbs							x						
19	shrub and herb sample bag labels							x						
20	premeasured length (0.56 m) of rope for Micro plot boundary layout							x						
21	vegetation field books for keying out plants							x						
22	(1) large gardening spade for digging soil pit and measuring depths of surface substrate						x					x	x	
23	(1) tape measure or other device for measuring small tree heights										x			
24	(1) premeasured length (3.99 m) of rope for										x			

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Item Number	FIELD EQUIPMENT (quantity in brackets)												
	small tree plot boundary layout												
25	(1) logger's tape for large tree plot boundary layout												x
26	lumber crayon or paint for marking breast height on large trees												x
27	metal tags and nails or other tree number markers												x
28	(1) vertex hypsometer (optional) for measuring large tree heights, distances, crown lengths, etc.												x
29	large-diametered straws for collecting core samples												x
30	small stapler for stapling core sample straws												x
31	increment borer												x
32	labels or tags for labeling core samples												x
33	small ruler for measuring core lengths												x
34	(1) long-handled (approx. 50 cm long), stainless steel soup spoon for bulk density sample extraction											x	
35	(1) pair heavy-duty clippers for cutting roots, fine woody debris							x	x		x	x	
36	(1) stainless steel folding hand saw for								x				

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Item Number	FIELD EQUIPMENT (quantity in brackets)													
	cutting forest floor organic layer													
37	(2) heavy-duty trowels, one with a narrow blade and one with a wider blade for bulk density extraction												x	
38	(1) stainless steel ruler, 45 cm or tape measure for measuring bulk density/forest floor organics extraction						x	x					x	
39	(1) plastic, 1.0-L graduated cylinder for measuring bulk density volume												x	
40	(1) plastic, 100-mL graduated cylinder for measuring bulk density volume												x	
41	5-mm plastic bags for lining excavated hole of bulk density extraction												x	
42	10-mm plastic bags for collecting extracted soil samples, forest floor organic samples									x			x	
43	(2) litres, 3-mm glass beads in plastic bottles with lids for measuring bulk density extraction volumes												x	
44	(1) 20 cm x 20 cm (inside dimensions) square aluminum template for cutting forest floor organic sample									x			x	
45	(1) sharp field knife for cutting humus and fine roots, woody debris decay class						x						x	

[illegible]