

LUCAS Natural Forests 2011/2012 Audit Report - CX82



Report Status:
(Draft or Final)

Draft

Report
Date:

13/05/2012

SITE ID	Field Crew	Audit Crew	Meas Date	Audit Date
CX82	SEAN HUSHEER	GRAEME OLIVER	13/04/2012	7/05/2010
HAWKES BAY FORESTS	DALE REDPATH EMILIANA GLERRA	STEPHEN PEARCE	Other Field Crew Members	

Circle One
Acceptable / Unacceptable

Plot D=		0.0	
RECCE Plot (Plot D) (max 20)			
Plot layout: Area (5% tolerance)		3 per 1% Area	0.0
%Audited		%Audited	
DBH 2.5 - 10cm	8.7	Height < 20m	35.7
DBH 10.1 - 60cm	31.0	Height 20.1 - 30m	0.0
DBH > 60.1cm	0.0	Height > 30.1m	0.0
Tree fern DBH	NA	Tag hgt newly tag stems	NA

Shrub D=		NA	
Shrubs Continuous (Shrub D)			
Area of shrub cover (10% tolerance per sub-plot)		1 per 0.15%	
Maximum vertical height (0.3m per quadrat)		1 per 0.5m	
Shrubs Discrete (Shrub D)			
Orthogonals			
Heights			
Total Volume (10% tolerance)		1 per 0.15%	NA

Stem D=		8.4	
Diameters (Stem D) - Scaled to % audited (max 15)			
DBH 2.5 - 10cm (+/-1mm)		2/mm (max10/stem)	0.0
DBH 10.1 - 60cm (+/-1%)		2/mm (max10/stem)	4.5
DBH > 60.1cm (+/-1%)		2/mm (max10/stem)	
Tree fern DBH		2/mm (max10/stem)	
Heights (Stem D) - Scaled to % audited (max 15)			
Height < 20m (+/- 10%)		2 every 0.5m (max10/stem)	0.0
Height 20.1 - 30m (+/- 10%)		1 every 1m (max10/stem)	
Height > 30.1m (+/- 10%)		0.5 every 1m (max10/stem)	
Tag height of newly tagged stems (1.35m)		1/5mm	
Other features (Stem D) - Scaled to % audited (max 10)			
Decay class		0.3/stem	0.0
Tree attributes, e.g; status and lean		0.3/attribute	3.9
Missed stems (95% tolerance)		Comment	0.0
Existing tree tag numbers		Comment	NA

Coarse Woody Debris D=		0.6	
Stumps (Debris D) - Scaled to % audited (max 10)			
Stump heights (nearest 0.1m)		0.5 per stump	0.0
Stump orthogonals (nearest 1cm)		0.3 per stump	0.0
Fallen logs (Debris D) - Scaled to % audited (max 10)			
Fallen log length (nearest 0.1m)		0.5 per log	0.0
Fallen log orthogonals (nearest 1cm)		0.3 per log	0.0
Other (Debris D) - Scaled to % audited (max 5)			
Decay class logs and stumps		0.3/log or stump	0.6
Missed logs and stumps		Comment	0.0
Missed tags logs and stumps		Comment	NA

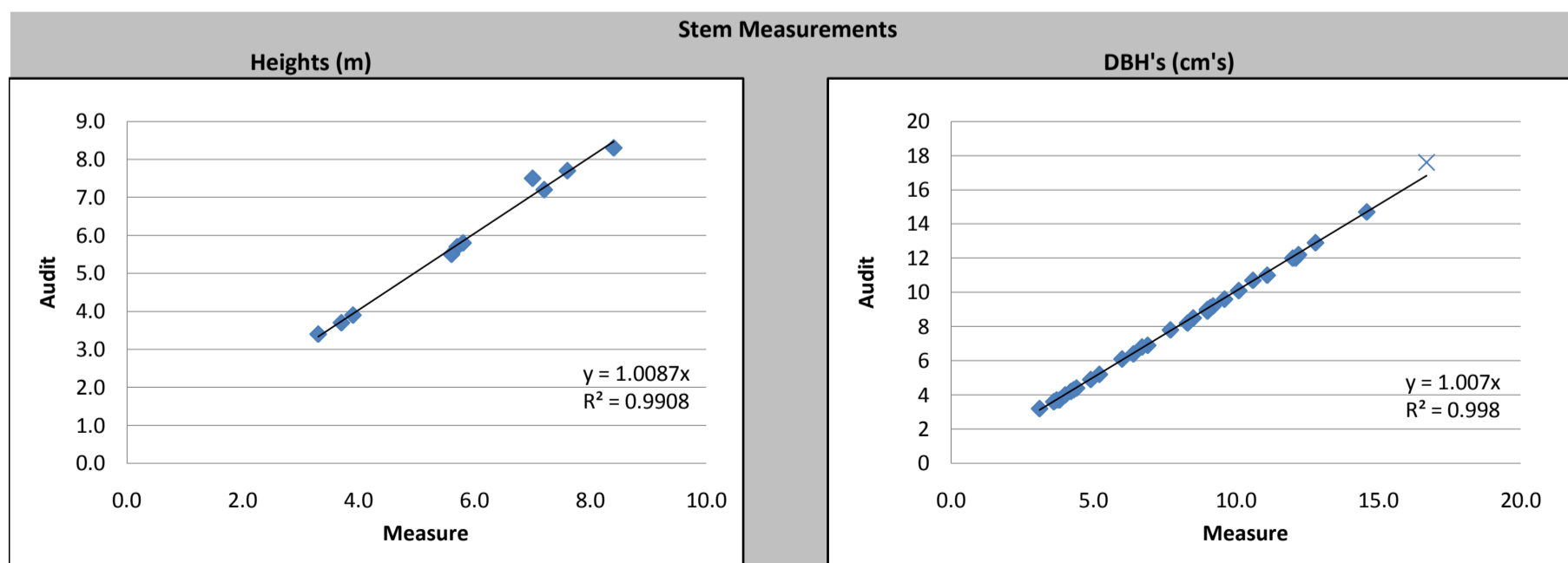
%DBHs Audited	%Stem Heights Audited
11.0	35.7

Stem Count		Stump Count		Log count	
Plot	Audited	Plot	Audited	Plot	Audited
414	32	1	1	5	2

%Diff. Plot Layout Area (Plot:Audit)	%Diff. %Shrub Cover (Plot:Audit)
-0.3	NA

Plot Grade = 100 - Plot Demerits - Stem Demerits - Shrub Demerits - Debris Demerits (PASS = 75 or more)

Plot Grade	Plot Demerits	Stem Demerits	Shrub Demerits	Debris Demerits
91.0	0.0	8.4	NA	0.6



Note: 'X' in a data series indicates where a demerited measurement has occurred. Audit measurements of missed trees are not graphed.

The features of a plot that are audited are selected on both a random and targeted basis. Targeted features are identified after reviewing and comparing the latest measurements against previous ones for possible errors. The amount of features that can be audited depend on the time available in a plot. Features will be selected randomly across sub-plots. Any features NOT AUDITED are identified by a "NA" in this audit report.

