TABLE 80. Some associations of one woody stratum depth (measured in m) with another by simple linear correlation from simple random sampling design surveys

Surveys[a]	Results			
	No. of pairs	Equation	*Y* intercept (a)	Slope (b)
Forest, no exotics	10	$Y_c = a + bX$		
shrub and understory			1.04290	−0.06949
shrub and overstory			0.73860	+0.00267
understory and overstory			6.80871	−0.21704
Upland				
H. helix	10	$Y_c = a + bX$		
shrub and understory			0.46584	+0.02148
shrub and overstory			0.70334	−0.00845
understory and overstory			11.20165	−0.40178
Natural understory	8	$Y_c = a + bX$		
L. japonica				
shrub and understory			0.77007	−0.21699
shrub and overstory			0.56339	−0.00258
understory and overstory			1.79410	−0.03189
Flood plain, no exotics	10	$Y_c = a + bX$		
shrub and understory			0.94213	−0.02572
shrub and overstory			0.96634	−0.01479
understory and overstory			8.45381	−0.12563
Flood-plain				
H. helix	8	$Y_c = a + bX$		
shrub and understory			2.90547	−0.28642
shrub and overstory			2.94176	−0.08884
understory and overstory			4.60829	+0.03599

Surveys[a]	Results		
	t value	Significance	r^2 [b]
Forest, no exotics			
shrub and understory	8 df = 1.197	not significant at 0.1	15%
shrub and overstory	8 df = 0.074	not significant at 0.1	0%
understory and overstory	8 df = 1.162	not significant at 0.1	14%
Upland			
H. helix			
shrub and understory	8 df = 0.330	not significant at 0.1	1%
shrub and overstory	8 df = 0.290	not significant at 0.1	1%
understory and overstory	8 df = 5.835	significant beyond 0.001	81%
Natural understory			
L. japonica			
shrub and understory	6 df = 1.092	not significant at 0.1	17%
shrub and overstory	6 df = 0.060	not significant at 0.1	0%
understory and overstory	6 df = 0.402	not significant at 0.1	3%
Flood plain, no exotics			
shrub and understory	8 df = 0.376	not significant at 0.1	2%
shrub and overstory	8 df = 0.524	not significant at 0.1	3%
understory and overstory	8 df = 0.895	not significant at 0.1	9%
Flood-plain			
H. helix			
shrub and understory	6 df = 3.318	significant at 0.02	65%
shrub and overstory	6 df = 1.440	not significant at 0.1	26%
understory and overstory	6 df = 0.179	not significant at 0.1	1%

[a]The dependent or *Y* variable is shown first in each pair, the *X* or independent variable is shown second.

[b]r^2 = coefficient of determination expressed in percent.