

Appendix 1. Summary of floristic data for woody vegetation (> 2.5 cm dbh). Each site is 0.05 ha (5 row plots of 4 × 25 meters). The sites are ranked from low to high (1 to 12) based structural attributes (both number of species and number of individuals > 20 cm DBH and basal area).

Sites by Reach:	1	2	3	4a	4b	4c	4d	5a	5b/c¹	6	7	8
<hr/>												
Number of Plant Families	2	3	3	14	11	13	7	2	3	11	13	7
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Number of Species												
Total	2	3	10	18	22	22	9	4	3	19	19	12
Lianas	0	0	3	1	2	2	0	0	0	1	2	1
Trees & Shrubs	2	3	2	9	12	15	3	2	2	9	9	6
> 20 cm dbh	2	2	0	3	7	5	2	1	1	6	6	4
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Number of Individual Plants												
Total	49	23	50	38	223	68	35	26	25	70	39	81
Lianas	0	0	19	3	20	2	0	0	0	1	4	6
Trees & Shrubs	49	23	31	35	203	66	35	26	25	69	35	75
> 20 cm dbh	11	11	0	3	7	7	8	2	11	8	7	14
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Basal Area (m ² per ha)	1.1	2.2	0.1	0.3	4.3	0.8	0.9	0.2	1.4	8.3	2.1	1.7
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Rank (average)	7	8	1	3	11	5	4	2	6	12	9	10
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¹Data from sites 5b and 5c were combined to total 5 transects.

Appendix 2. Diversity measures for woody and herbaceous vegetation by stream reach and

site. Rank from low to high (1 to 12) is the average of all columns similarly ranked.

Sites by Reach	1	2	3	4a	4b	4c	4d	5a	5b/c	6	7	8
Woody Vegetation												
Species density	2	3	10	18	22	22	9	4	3	19	19	12
Margalef's diversity index	0.26	0.64	2.30	4.67	3.88	4.98	2.25	0.92	0.62	4.24	4.91	2.50
Simpson's index	0.37	0.69	1.83	2.81	0.89	2.81	1.77	1.02	0.53	2.21	3.22	1.61
Rank (average)	1	3	6	10	8	12	5	4	2	9	11	7
Herbaceous Vegetation												
Species density	18	16	12	34	11	18	9	10	13	21	18	13
Margalef's diversity index	13.71	11.21	12.0	24.59	10.28	12.81	5.48	7.52	11.84	9.98	16.67	6.91
Simpson's index	3.42	2.9	0.0	3.78	4.19	3.01	2.09	2.59	2.50	2.53	4.55	2.15
Rank (average)	10	6.5	3	12	6.5	9	1	2	4	8	11	5

Appendix 3. Jaccard similarity index calculated based on presence of woody plant species

(> 2.5 cm dbh) in 0.05-ha sample.

Sites	1	2	3	4a	4b	4c	4d	5a	5b	5c	6	7
2	0.67											
3	0.20	0.18										
4a	0.11	0.11	0.21									
4b	0.04	0.04	0.29	0.26								
4c	0.09	0.09	0.13	0.19	0.15							
4d	0.10	0.09	0.10	0.08	0.04	0.18						
5a	0.20	0.17	0.05	0.09	0.04	0.22	0.50					
5b	0.33	0.25	0.05	0.14	0.04	0.33	0.40	0.67				
5c	0.25	0.20	0.09	0.05	0.11	0.12	0.00	0.00	0.00			
6	0.00	0.00	0.28	0.11	0.17	0.17	0.00	0.00	0.00	0.00		
7	0.00	0.00	0.15	0.13	0.17	0.24	0.14	0.17	0.15	0.00	0.19	
8	0.17	0.15	0.21	0.26	0.15	0.18	0.50	0.67	0.00	0.15	0.11	0.11
Sites	1	2	3	4a	4b	4c	4d	5a	5b	5c	6	7