

Summary of the significant statistical results for the comparison of selected invertebrates on marri along the transect (T1-T8). Part (a) shows data for bark traps, part (b) for intercept traps. Key to abbreviations: 2-A = two-way ANOVA; 1-A = one-way ANOVA; F = Friedman's two-way non-parametric ANOVA; K = Kruskal-Wallis one-way non-parametric ANOVA; N = not tested.

(a) bark traps					(b) intercept traps				
Taxa	Test	Factors tested	Significance and/or trend in factors #	P	Taxa	Test	Factors tested	Significance and/or trend in factors #	P
Total invertebrates 2-A	Position	F=12.0, df ₁ =7	***		Total invertebrates 2-A (df ₁ =504)	Position	F=6.9, df ₁ =7	***	
	Season	F=15.7, df ₁ =6	***			Season	F=111.5, df ₁ =6	***	
	Interaction	F=6.4, df ₁ =42	***			Interaction	F=9.5, df ₁ =42	***	
Invertebrate biomass 2-A	Position	F=3.4, df ₁ =7	***		Invertebrate biomass 2-A (df ₁ =360)	Position	F=7.3, df ₁ =7	***	
	Season	F=16.8, df ₁ =4	***			Season	F=12.4, df ₁ =4	***	
	Interaction	F=1.5, df ₁ =28	ns			Interaction	F=3.4, df ₁ =28	***	
Acarina	F	Season	F _K =22.3	***	Acarina	F	Season	F _K =71.0	***
	K	Oct-98	4 2 3 5 1 6 7 8, H=1	***		K	Oct-98	5 4 3 8 7 2 6 1, H=2	***
	K	Dec-98	4 1 3 2 5 8 7 6, H=1	*		K	Dec-98	4 8 6 5 3 2 7 1, H=2	***
	K	Feb-99	4 5 2 6 7 3 1 8, H=1	*		K	Apr-99	3 2 1 4 7 5 6 8, H=1	***
	K	Apr-99	3 2 1 7 4 6 5 8, H=1	***		K	Jun-99	3 2 7 4 5 8 6 1, H=2	***
	K	Jun-99	3 6 5 2 7 4 8 1, H=1	***		K	Aug-99	5 4 7 2 6 8 1 3, H=2	***
	K	Aug-99	5 2 1 6 4 7 3 8, H=1	***		K	Oct-99	8 6 7 5 3 4 2 1, H=2	***
Araneae	F	Season	F _K =102.7	***	Araneae	F	Season	F _K =130.2	***
	K	Oct-98	2 3 1 4 5 6 7 8, H=1	***		K	Dec-98	5 8 7 2 6 4 1 3, H=1*	
	K	Apr-99	7 3 2 1 5 6 4 8, H=1	*		K	Oct-99	3 2 5 4 1 7 8 6, H=2	***
	K	Oct-99	4 5 2 1 3 7 6 8, H=1	*			Season	F _K =59.8	***
Isopoda	F	Season	F _K =15.0	*	Isopoda	F	Season	F _K =30.0	***
	K	Oct-98	3 4 5 6 7 8 2 1, H=1	*		K	Oct-98	5 6 7 8 2 4 3 1, H=1	***
	K	Dec-98	3 4 5 6 7 8 2 1, H=1	*		K	Dec-98	4 5 6 8 3 7 2 1, H=2	***
	K	Jun-99	2 3 5 6 7 8 4 1, H=1	***		K	Jun-99	2 5 7 8 6 3 4 1, H=2	***
	K	Aug-99	2 3 5 6 7 8 4 1, H=1	***		K	Aug-99	5 8 6 7 2 4 1 3, H=1	***
	K	Oct-99	1 3 5 2 4 7 6 8, H=1	*		K	Oct-99	5 6 7 8 4 2 3 1, H=2	***
Collembola	2-A (df ₁ =504)	Position	F=29.9, df ₁ =7	***	Collembola	2-A (df ₁ =504)	Position	F=2.8, df ₁ =7	*
		Season	F=76.1, df ₁ =6	***			Season	F=107.8, df ₁ =6	***
		Interaction	F=7.8, df ₁ =42	***			Interaction	F=4.4, df ₁ =42	***
	1-A	Oct-98	5 2 1 3 4 6 8 7, H=1	***		1-A	Oct-98	5 4 3 2 1 7 8 6, H=1	***
	1-A	Dec-98	8 4 5 6 1 2 3 7, H=1	***		1-A	Feb-99	1 4 6 5 2 3 8 7, H=2	***
	1-A	Feb-99	4 1 2 6 8 5 3 7, H=1	***		1-A	Apr-99	2 3 1 5 4 7 6 8, H=1	***
	1-A	Apr-99	1 3 2 7 4 5 6 8, H=1	***		1-A	Jun-99	2 3 7 4 5 6 8 1, H=1	***
	1-A	Jun-99	2 3 4 7 5 6 8 1, H=1	***		1-A	Aug-99	2 3 7 4 5 6 8 1, H=1	***
	1-A	Aug-99	2 3 1 4 5 8 6 7, H=1	***		1-A	Oct-99	5 8 2 1 4 7 6 3, H=2*	
	1-A	Oct-99	1 3 5 2 4 7 6 8, H=1	*			Season	F _K =30.0	***
Blattodea	F	Season	F _K =91.8	***	Thysanura	F	Season	F _K =30.0	***
	K	Oct-98	2 6 7 3 5 4 1 8, H=1	*		K	Dec-98	4 6 7 8 2 5 3 1, H=1	***
	K	Apr-99	5 6 2 7 3 4 8 1, H=1	*		K	Apr-99	5 6 8 7 2 3 1 4, H=2	***
	K	Oct-99	5 6 2 7 3 4 8 1, H=1	*		K	Aug-99	1 2 5 6 7 8 4 3, H=2	***
	K	Oct-99	5 6 2 7 3 4 8 1, H=1	*		K	Oct-99	2 6 7 8 1 5 4 3, H=1*	
Psocoptera	F	Season	F _K =22.7	***	Blattodea	F	Season	F _K =56.9	***
	K	Jun-99	2 4 5 6 3 1 7 8, H=1	*		K	Apr-99	8 7 4 6 3 5 1 2, H=1*	
Homoptera	F	Season	F _K =48.8	***	Isoptera	F	Season	F _K =121.8	***
	K	Oct-98	7 3 6 2 5 4 1 8, H=1	*		K	Oct-98	1 3 4 2 8 7 6 5, H=2	***
	K	Feb-99	5 6 7 2 3 8 1 4, H=1	*		K	Oct-99	3 4 1 2 8 5 7 6, H=2	***
	K	Jun-99	4 7 3 2 6 5 8 1, H=1	***			Season	F _K =49.8	***
	K	Oct-99	2 5 6 7 4 3 1 8, H=1	*		K	Oct-98	6 7 5 8 3 2 4 1, H=2	***
Thysanoptera	F	Season	F _K =78.5	***		K	Dec-98	6 5 3 1 7 4 2 8, H=2	***
	K	Dec-98	1 4 8 3 2 5 7 6, H=1	***		K	Feb-99	1 2 8 6 5 7 4 3, H=1*	
	K	Feb-99	8 2 3 4 1 6 5 7, H=1	*		K	Jun-99	4 1 2 3 5 6 7 8, H=1*	
	K	Jun-99	2 3 5 7 6 4 8 1, H=1	***		K	Oct-99	7 6 5 1 8 4 3 2, H=1*	
	K	Oct-99	2 3 5 7 6 4 8 1, H=1	***			Season	F _K =120.6	***
Coleoptera (adults)	F	Season	F _K =47.8	*	Homoptera	F	Season	F _K =120.6	***
	K	Oct-98	3 4 7 5 2 1 6 8, H=1	***		K	Oct-98	3 1 7 4 5 2 6 8, H=1	***
	K	Feb-99	7 2 3 5 8 4 1 6, H=1	*		K	Dec-98	8 5 7 3 6 4 1 2, H=1	***
	K	Apr-99	4 5 1 2 6 7 3 8, H=1	*		K	Feb-99	7 5 8 6 1 3 2 4, H=2	***
	K	Jun-99	2 7 3 1 5 6 4 8, H=1	***		K	Apr-99	7 5 6 3 8 1 4 2, H=1	***
	K	Aug-99	2 6 1 7 3 5 4 8, H=1	*		K	Jun-99	3 7 4 5 2 1 8 6, H=2	***
	K	Oct-99	5 3 4 2 1 6 8 7, H=1	***		K	Aug-99	4 6 3 5 1 2 8 7, H=2	***
	K	Oct-99	5 3 4 2 1 6 8 7, H=1	***		K	Oct-99	3 5 1 7 6 4 2 8, H=2	***
Coleoptera (larvae)	F	Season	F _K =60.2	***	Heteroptera	F	Season	F _K =52.3	***
	K	Oct-98	1 2 4 6 7 3 8 5, H=1	***		K	Oct-98	2 5 1 3 8 4 7 6, H=1*	
	K	Dec-98	1 8 2 3 7 4 5 6, H=1	***		K	Dec-98	8 1 4 2 3 5 6 7, H=2	***
	K	Apr-99	1 5 6 7 2 8 4 3, H=1	***			Season	F _K =170.7	***
	K	Aug-99	1 4 8 5 6 2 7 3, H=1	***		K	Oct-98	1 2 4 7 3 8 5 6, H=2	***
	K	Oct-99	1 4 8 5 6 2 7 3, H=1	***		K	Dec-98	8 1 4 2 3 5 7 6, H=1	***
Diptera (adults)	F	Season	F _K =22.0	***		K	Feb-99	2 3 8 1 4 6 5 7, H=1	***
	K	Oct-98	3 1 2 4 5 7 8 6, H=1	***		K	Jun-99	2 3 6 4 5 7 8 1, H=2	***
	K	Dec-98	8 1 6 7 3 4 5 2, H=1	***		K	Aug-99	1 2 3 4 5 8 6 7, H=2	***
	K	Jun-99	4 5 8 6 7 3 1 2, H=1	*		K	Oct-99	3 1 2 4 6 5 7 8, H=2	***
	K	Aug-99	5 7 2 3 8 4 1 6, H=1	**			Season	F _K =94.8	***
	K	Oct-99	5 1 2 4 8 7 3 6, H=1	***		K	Oct-98	1 3 5 2 4 7 6 8, H=2	***
Lepidoptera (adults)	F	Season	F _K =43.9	***		K	Apr-99	4 5 3 2 6 8 1 7, H=2	***
	K	Feb-99	1 4 5 6 3 7 2 8, H=1	*			Position	F=1.6, df ₁ =7	ns
	K	Aug-99	3 4 2 1 5 6 8 7, H=1	*			Season	F=29.6, df ₁ =6	***
	K	Oct-99	3 4 2 1 5 6 8 7, H=1	*			Interaction	F=3.5, df ₁ =42	***
Lepidoptera (larvae)	F	Season	F _K =33.8	***		1-A	Oct-99	2 3 1 4 5 8 6 7, H=1	***
	K	Oct-98	5 4 2 6 1 3 7 8, H=1	*			Season	F _K =148.2	***
	K	Apr-99	4 5 6 7 1 8 3 2, H=1	**		K	Dec-98	4 8 3 7 2 1 5 6, H=1*	
	K	Aug-99	3 4 5 7 1 2 6 8, H=1	***		K	Feb-99	7 4 5 8 3 6 1 2, H=1*	
	K	Oct-99	3 4 5 7 1 2 6 8, H=1	***		K	Apr-99	1 4 8 7 5 2 3 6, H=1*	
Hymenoptera (ants)	F	Season	F _K =180.7	***		K	Aug-99	7 8 1 2 6 3 4 5, H=1*	
	K	Oct-98	3 1 7 4 5 2 6 8, H=1	*			Position	F=4.8, df ₁ =7	***
Hymenoptera (wasps)	F	Season	F _K =106.3	***			Season	F=134.8, df ₁ =6	***
	K	Dec-98	1 4 3 8 5 2 6 7, H=1	*			Interaction	F=12.6, df ₁ =42	***
	K	Jun-99	6 3 7 2 5 4 1 8, H=1	***		1-A	Oct-98	1 3 4 2 5 7 8 6, H=1	***
	K	Aug-99	2 3 4 5 6 1 7 8, H=1	*		1-A	Dec-98	8 7 3 5 6 4 1 2, H=1	***
	K	Oct-99	2 3 4 5 6 1 7 8, H=1	*		1-A	Feb-99	8 7 5 4 6 1 3 2, H=2*	
	K	Oct-99	2 3 4 5 6 1 7 8, H=1	*		1-A	Apr-99	3 5 6 1 4 2 7 8, H=2	***
	K	Oct-99	2 3 4 5 6 1 7 8, H=1	*		1-A	Jun-99	4 5 8 3 6 2 1 7, H=1	***
	K	Oct-99	2 3 4 5 6 1 7 8, H=1	*		1-A	Aug-99	5 4 3 8 7 6 2 1, H=2	***
	K	Oct-99	2 3 4 5 6 1 7 8, H=1	*		1-A	Oct-99	7 4 3 1 5 8 7 6, H=1	***

* = < 0.05, ** = < 0.01, *** = < 0.005, ns = not significant
 # Transect positions only shown where significance was found, and are ranked from least abundant to most abundant. Post-hoc comparisons are not shown