

Online Material

Appendix 1. Abundance of all arthropod taxa in 5-year-old rehabilitation, 15-year-old rehabilitation and unmined forest (UF) accumulated over the three sampling occasions. Data are ordered alphabetically within groups according to patterns of presence within the three forest site types. Indet. = could not be identified.

Class	Order	Family	Genus	Species	5 yo	15 yo	UF	Total
Arachnida	Acarina (Mesostigmata)	Indet.		sp. 3			4	4
Arachnida	Acarina (Mesostigmata)	Laelapidae		sp. 3			1	1
Arachnida	Acarina (Oribatida)	Indet.		sp. 4			2	2
Arachnida	Acarina (Prostigmata)	Anystidae		sp. 2			2	2
Arachnida	Acarina (Prostigmata)	Anystidae		sp. 1			1	1
Arachnida	Acarina (Prostigmata)	Indet.		sp. 5			1	1
Arachnida	Araneida	Cyatholipidae	<i>Matilda</i>	sp. 1			1	1
Arachnida	Araneida	Donopidae	<i>Gamasomorpha</i>	sp. 1			1	1
Arachnida	Araneida	Gnaphosidae		sp. 4			1	1
Arachnida	Araneida	Lamponidae		sp. 3			1	1
Arachnida	Araneida	Miturgidae	<i>Mituliodon</i>	<i>tarantulinus</i>			1	1
Arachnida	Araneida	Theridiidae		sp. 3			1	1
Arachnida	Opiliones	Megalopsalidae		sp. 1			1	1
Arachnida	Pseudoscorpionida	Olpiidae	<i>Beierolpium</i>	sp. 1			1	1
Chilopoda	Scolopendromorpha	Cryptopidae	<i>Cryptops</i>	sp. 1			2	2
Diplopoda	Polydesmida	Polyxenidae		sp. 1			1	1
Entognatha	Collembola	Sminthuridae		sp. 4			3	3
Entognatha	Diplura	Dipluridae	<i>Chenistonia</i>	<i>tepperi</i>			1	1
Insecta	Blattodea	Indet.		sp. 4			2	2
Insecta	Blattodea	Indet.		sp. 9			2	2
Insecta	Blattodea	Indet.		sp. 3			1	1
Insecta	Coleoptera	Anobiidae	<i>Deltocryptus</i>	sp. 1			2	2
Insecta	Coleoptera	Anthicidae	<i>Anthicus</i>	sp. 1			1	1
Insecta	Coleoptera	Carabidae	<i>Sarticus</i>	sp. 1			1	1
Insecta	Coleoptera	Dermestidae		sp. 1			1	1
Insecta	Coleoptera	Staphylinidae	Aleocharine	sp. 1			1	1
Insecta	Diptera	Cecidomyiidae		sp. 4			1	1
Insecta	Diptera	Cecidomyiidae		sp. 7			1	1
Insecta	Diptera	Cecidomyiidae		sp. 8			1	1
Insecta	Diptera	Ceratopeperidae		sp. 1			2	2
Insecta	Diptera	Ceratopeperidae		sp. 2			2	2
Insecta	Diptera	Culicidae	<i>Aedes</i>	sp. 1			1	1
Insecta	Diptera	Ptilliidae	<i>Acrotrichis</i>	sp. 1			1	1
Insecta	Hemiptera (Sternorrhyncha)	Indet.		sp. 1			1	1
Insecta	Hymenoptera	Ceraphronidae		sp. 1			1	1
Insecta	Hymenoptera	Formicidae	<i>Crematogaster</i>	<i>dispar</i>			1	1
Insecta	Hymenoptera	Formicidae	<i>Iridomyrmex</i>	<i>chasei</i>			1	1
Insecta	Hymenoptera	Formicidae	<i>Monomorium</i>	<i>sordidum</i>			1	1
Insecta	Orthoptera	Gryllidae		sp. 1			1	1
Insecta	Orthoptera	Indet.		sp. 1			1	1
Insecta	Psocoptera	Indet.		sp. 1			1	1
Arachnida	Acarina (Endeostigmata)	Nanorchestidae		sp. 1	4	7	13	24
Arachnida	Acarina (Mesostigmata)	Indet.		sp. 1	52	27	33	112
Arachnida	Acarina (Prostigmata)	Eupodidae		sp. 1	152	35	232	419
Arachnida	Acarina (Prostigmata)	Indet.		sp. 1	29	6	55	90
Arachnida	Acarina (Prostigmata)	Indet.		sp. 2	2	5	2	9
Arachnida	Araneida	Theridiidae	<i>Steatoda</i>	sp. 1	4	14	7	25
Entognatha	Collembola	Brachystomelidae		sp. 1	5	39	59	103
Entognatha	Collembola	Entomobryidae		sp. 3	21	84	100	205
Entognatha	Collembola	Entomobryidae		sp. 4	3	15	21	39
Entognatha	Collembola	Entomobryidae		sp. 2	4	5	9	18
Entognatha	Collembola	Entomobryidae		sp. 1	3	2	2	7
Entognatha	Collembola	Entomobryidae		sp. 5	5	7	9	21

Appendix 1. Continued.

Class	Order	Family	Genus	Species	5 yo	15 yo	UF	Total
Entognatha	Collembola	Isotomidae		sp. 1	102	13	15	130
Entognatha	Collembola	Isotomidae	<i>Acanthomurus</i>	sp. 1	269	55	53	377
Entognatha	Collembola	Sminthuridae		sp. 5	4	7	3	14
Insecta	Diptera	Sciaridae		sp. 1	42	73	4	119
Arachnida	Acarina (Mesostigmata)	Indet.		sp. 2		48	2	50
Arachnida	Acarina (Oribatida)	Indet.		sp. 2	3		3	6
Arachnida	Acarina (Prostigmata)	Bdellidae		sp. 1	1	1	1	3
Arachnida	Araneida	Orsolobidae	<i>Tasmanoonops</i>	sp. 2		1	1	2
Chilopoda	Scutigermorpha	Scutigerae	<i>Allothreua</i>	<i>maculata</i>	3		2	5
Diplopoda	Polydesmida	Paradoxosomatidae	<i>Antichiropus</i>	<i>variabilis</i>		1	1	2
Diplopoda	Spirostreptida	Lulomorphidae	<i>Atelomastix</i>	sp. 1		2	3	5
Entognatha	Collembola	Entomobryidae		sp. 7	2	1	3	6
Entognatha	Collembola	Isotomidae		sp. 2		1	2	3
Entognatha	Collembola	Sminthuridae		sp. 6	1		1	2
Entognatha	Collembola	Sminthuridae		sp. 1	2	1	17	20
Entognatha	Collembola	Sminthuridae		sp. 2	13		2	15
Insecta	Blattodea	Indet.		sp. 1	1		3	4
Insecta	Diptera	Cecidomyiidae		sp. 5	1	1	1	3
Insecta	Diptera	Cecidomyiidae		sp. 6	2	7	1	10
Insecta	Diptera	Chironomidae		sp. 1	4	5	1	10
Insecta	Diptera	Empididae (Tachydromiinae)		sp. 1	1		1	2
Insecta	Diptera	Mycetophilidae (Sciophilinae)		sp. 1	5	6	1	12
Insecta	Diptera	Phoridae		sp. 1	2	5	1	8
Insecta	Diptera	Tipulidae (Linioninae)		sp. 1	5		5	10
Insecta	Diptera	Tipulidae (Tipulinae)		sp. 1	1	8	3	12
Insecta	Hymenoptera	Formicidae	<i>Tapinoma</i>	sp. JDM 78	5	1	3	9
Insecta	Hymenoptera	Formicidae	<i>Ochetellus</i>	<i>glaber</i>	11	4	1	16
Insecta	Hymenoptera	Formicidae	<i>Camponotus</i>	<i>michaelseni</i>		3	1	4
Insecta	Hymenoptera	Scelionidae		sp. 1	3		2	5
Insecta	Hymenoptera	Scelionidae		sp. 2		1	2	3
Insecta	Orthoptera	Anastostomatidae	<i>Leponosandrus</i>	<i>lepismoides</i>	1		2	3
Insecta	Thysanoptera	Indet.		sp. 1	2		2	4
Malacostraca	Isopoda	Indet.		sp. 1	2		1	3
Arachnida	Acarina	Ixodidae		sp. 1	1	1		2
Arachnida	Araneida	Clubionidae	<i>Clubiona</i>	sp. 1	2	1		3
Arachnida	Araneida	Gnaphosidae		sp. 1	2	1		3
Arachnida	Araneida	Salticidae		sp. 1	2	1		3
Arachnida	Araneida	Theridiidae	<i>Theridion</i>	sp. 1	1	3		4
Arachnida	Araneida	Zoridae		sp. 1	1	2		3
Entognatha	Collembola	Entomobryidae		sp. 6	1	2		3
Entognatha	Collembola	Sminthuridae		sp. 3	6	1		7
Insecta	Coleoptera	Curculionidae		sp. 1	4	1		5
Insecta	Dermaptera	Anisolabidae		sp. 1	9	2		11
Insecta	Diptera	Cecidomyiidae		sp. 2	1	3		4
Insecta	Diptera	Cecidomyiidae		sp. 3	6	2		8
Insecta	Diptera	Ceratopogonidae		sp. 1	5	5		10
Insecta	Diptera	Ceratopogonidae		sp. 3	1	1		2
Insecta	Diptera	Mycetophilidae		sp. 2	1	4		5
Insecta	Hymenoptera	Formicidae	<i>Camponotus</i>	<i>terebrans</i>	1	12		13
Insecta	Hymenoptera	Formicidae	<i>Iridomyrmex</i>	<i>bicknelli</i>	1	2		3
Insecta	Thysanoptera	Indet.		sp. 3	12	2		14
Arachnida	Acarina (Oribatida)	Indet.		sp. 1	3			3
Arachnida	Araneida	Enoplognathidae	<i>Enoplognatha</i>	sp. 1	1			1
Arachnida	Araneida	Gnaphosidae		sp. 2	1			1
Arachnida	Araneida	Gnaphosidae		sp. 3	1			1

Appendix 1. Continued.

Class	Order	Family	Genus	Species	5 yo	15 yo	UF	Total
Arachnida	Araneida	Gnaphosidae		sp. 5	1			1
Arachnida	Araneida	Lamponidae	<i>Lampona</i>	<i>brevipes</i>	1			1
Arachnida	Araneida	Lamponidae		sp. 1	1			1
Arachnida	Araneida	Lamponidae		sp. 2	2			2
Arachnida	Araneida	Miturgidae		sp. 1	1			1
Arachnida	Araneida	Miturgidae		sp. 2	1			1
Arachnida	Araneida	Molycridae	<i>Molycrria</i>	<i>quadricauda</i>	2			2
Arachnida	Araneida	Orsolobidae	<i>Tasmanoonops</i>	sp. 1	1			1
Arachnida	Araneida	Oxyopidae	<i>Oxyopes</i>	sp. 1	1			1
Arachnida	Araneida	Textricellidae	<i>Textricella</i>	sp. 1	1			1
Arachnida	Araneida	Theridiidae	<i>Euryopis</i>	sp. 1	1			1
Arachnida	Araneida	Theridiidae		sp. 1	1			1
Arachnida	Araneida	Theridiidae		sp. 2	1			1
Arachnida	Araneida	Trachycosmidae	<i>Trachycosmus</i>	<i>sculptilis</i>	2			2
Insecta	Blattodea	Indet.		sp. 2	1			1
Insecta	Blattodea	Indet.		sp. 5	2			2
Insecta	Coleoptera	Carabidae	<i>Chlaenius</i>	sp. 1	28			28
Insecta	Coleoptera	Coccinellidae	<i>Rodolia</i>	sp. 1	1			1
Insecta	Coleoptera	Corylophidae	<i>Sericoderus</i>	sp. 1	7			7
Insecta	Coleoptera	Elateridae	<i>Agrypnus</i>	sp. 1	2			2
Insecta	Coleoptera	Leiodidae	<i>Eublackburniella</i>	sp. 1	1			1
Insecta	Coleoptera	Nitidulidae	<i>Thalycrodes</i>	sp. 2	1			1
Insecta	Coleoptera	Nitidulidae	<i>Thalycrodes</i>	sp. 1	11			11
Insecta	Coleoptera	Pselaphidae		sp. 1	1			1
Insecta	Coleoptera	Ptiliidae	<i>Acrotrichis</i>	sp. 1	1			1
Insecta	Coleoptera	Scarabaeidae	<i>Heteronyx</i>	sp. 1	1			1
Insecta	Coleoptera	Staphylinidae	<i>Polylobus</i>	sp. 1	1			1
Insecta	Coleoptera	Staphylinidae	<i>Mecyclothorax</i>	sp. 1	2			2
Insecta	Diptera	Cecidomyiidae		sp. 1	2			2
Insecta	Diptera	Ceratopogonidae		sp. 4	1			1
Insecta	Diptera	Ceratopogonidae		sp. 5	1			1
Insecta	Diptera	Ceratopogonidae		sp. 2	3			3
Insecta	Diptera	Mycetophilidae		sp. 1	9			9
Insecta	Hymenoptera	Formicidae	<i>Camponotus</i>	<i>gibbinotus</i>	1			1
Insecta	Hymenoptera	Formicidae	<i>Rhytidoponera</i>	<i>metallica</i>	4			4
Insecta	Hymenoptera	Mymaridae		sp. 1	1			1
Insecta	Hymenoptera	Mymaridae		sp. 2	1			1
Insecta	Hymenoptera	Mymaridae		sp. 3	1			1
Insecta	Lepidoptera	Geometridae		sp. 1	1			1
Insecta	Lepidoptera	Indet.		sp. 2	1			1
Insecta	Lepidoptera	Indet.		sp. 1	1			1
Insecta	Lepidoptera	Noctuidae		sp. 1	1			1
Insecta	Psocoptera	Indet.		sp. 2	1			1
Insecta	Thysanoptera	Indet.		sp. 2	1			1
Insecta	Thysanoptera	Indet.		sp. 5	1			1
Insecta	Thysanoptera	Indet.		sp. 6	1			1
Insecta	Thysanoptera	Indet.		sp. 4	4			4
Arachnida	Acarina (Oribatida)	Indet.		sp. 3		1		1
Arachnida	Acarina (Prostigmata)	Indet.		sp. 3		3		3
Arachnida	Acarina (Prostigmata)	Indet.		sp. 4		2		2
Arachnida	Araneida	Lycosidae	<i>Artorida</i>	sp. 1		7		7
Arachnida	Araneida	Philodromidae		sp. 1		1		1
Arachnida	Araneida	Pryuuisidae	<i>Pryuuis</i>	sp. 1		1		1
Arachnida	Araneida	Selenopsidae	<i>Selenops</i>	sp. 1		1		1
Arachnida	Araneida	Theridiidae		sp. 5		1		1

Appendix 1. Continued.

Class	Order	Family	Genus	Species	5 yo	15 yo	UF	Total
Arachnida	Araneida	Theridiidae	<i>Theridion</i>	sp. 2		1		1
Arachnida	Araneida	Zodariidae	<i>Storenatetricea</i>			1		1
Arachnida	Opiliones	Neopilionidae	(Ballarrinae)	sp. 1		1		1
Arachnida	Scorpionida		<i>Cercophonius</i>	sp. 1		1		1
Insecta	Blattodea	Indet.		sp. 7		1		1
Insecta	Blattodea	Indet.		sp. 8		1		1
Insecta	Coleoptera	Chrysomelidae		sp. 1		1		1
Insecta	Coleoptera	Indet.		sp. 14		1		1
Insecta	Coleoptera	Indet.		sp. 7		1		1
Insecta	Coleoptera	Lathridiidae	<i>Corticara</i>	sp. 1		1		1
Insecta	Diptera	Chloropidae		sp. 1		3		3
Insecta	Diptera	Linioniinae		sp. 1		4		4
Insecta	Hymenoptera	Formicidae	<i>Prolasius</i>	sp. JDM 109		1		1
Insecta	Thysanura	Indet.		sp. 1		1		1
Malacostraca	Isopoda	Indet.		sp. 2		1		1
Malacostraca	Isopoda	Indet.		sp. 3		1		1
Total					948	575	743	2 266