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Supplementary Material

Rainforest persistence and recruitment after Australia's 2019–2020 fires in subtropical, temperate, dry and littoral rainforests

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SUPPLEMENTARY MATERIALS

Table S1. Criteria used to define rainforest in this study (after Keith 2004)

Criterion	Description
1	*Forests or woodlands not dominated by eucalypts, although these may be present as scattered individuals.*
2	*Forests dominated by trees with dense canopies touching those of adjacent trees (i.e. a 'closed' canopy), and with horizontally held leaves. Trees and shrubs typically with soft leaves. Primarily occuring on the coast and escarpment where average annual rainfall exceeds 1000 mm, but with limited occurrences in dry rocky gorges of the escarpment and dry hills of the north-western slopes.*
3	*Trees not tolerant of (or subjected to) tidal inundation, understorey usually open to dense, rarely sparse, never non-existent. Found on the coast, escarpment and north-western slopes, but never in tidal estuaries.*
4	*Trees belonging to various plant families, their leaves broad and usually soft. Vines often occur in the tree canopies or understorey. Understorey typically includes ferns and herbs. Found on the coastal lowlands, islands and escarpment on fertile or moderately fertile soils, extending to restricted locations on the north-western slopes.*

Table S2. Fire response (detailed, combined) of 228 woody rainforest taxa from four rainforest classes (subtropical, dry, warm temperate, littoral; Keith 2004) sampled from 17 sites on the NSW North Coast Bioregion. Early successional - pioneer, early secondary, late successional - later secondary, mature phase (Kooyman 1996), fire-killed — no postfire resprouting, live resprout — generation of new shoots from dormant buds after 100% crown scorch; alive escape — crown survived with only minor scorching, R+ — resprouters (70-100%), Ri, — intermediate resprouters (31–69%), R- — non-resprouters (0-30%), S+ — postfire seedling recruitment in the year following fire, S- — no postfire seedling recruitment in the year following fire. Only taxa with ≥ 5 records of 100% crown scorch were attributed to combined fire response class. Only taxa with ≥ 10 prefire records were analysed for abundance change.

Taxon Name	Successional stage (Kooyman 1996)	Detailed Fire Response (number of individuals)					Resprout rate (% of individuals)	Combined Fire Response	Abundance change (%)
		Seedlings	Alive escape	Fire- killed	Live resprout	Suckers (No. of stems)			
Acacia disparrima subsp. *disparrima*	Early-successional	108		4	2		33.3	Ri S+	
Acacia orites		717	3	1			0.0	-	
Ackama paniculosa	Late-successional		18	3	18		85.7	R+ S-	-14
Acmena hemilampra subsp. hemilampra	Late-successional		1	1	2		66.7	-	
Acmena ingens	Late-successional		1	4	1		20.0	R- S-	
Acmena smithii	Late-successional	4	1	5	29		85.3	R+ S+	-3
Acradenia euodiiformis			1				-	-	
Acronychia baeuerlenii		5		1	9	1	90.0	R+ S+	50
Acronychia imperforata		58	8	6	59	175	90.8	R+ S+	349
Acronychia oblongifolia	Late-successional				5	13	100.0	R+ S-	
Acronychia octandra	Late-successional				1		100.0	-	
Acronychia pubescens					1		100.0	-	
Acronychia suberosa			3				-	-	
Ailanthus triphysa	Late-successional				1		100.0	-	
Alangium villosum subsp. *polyosmoides*			3	2	1		33.3	-	
Alchornea ilicifolia			2	1	8	16	88.9	R+ S-	
Alectryon coriaceus					2		100.0	-	
Alectryon subcinereus			1	16	6		27.3	R- S-	-73
Alphitonia excelsa	Early-successional	146	7	4	11	22	73.3	R+ S+	1093
Alphitonia petriei	Early-successional	55					-	-	
Alyxia ruscifolia				2	1		33.3	-	

Taxon Name	Successional stage (Kooyman 1996)	Detailed Fire Response (number of individuals)					Resprout rate (% of individuals)	Combined Fire Response	Abundance change (%)
		Seedlings	Alive escape	Fire- killed	Live resprout	Suckers (No. of stems)			
Anopterus macleayanus			3	19	7		26.9	R- S-	-73
Anthocarapa nitidula	Late-successional		14		2		100.0	-	
Aphananthe philippinensis	Early-successional	4						-	
Araucaria cunninghamii	Late-successional	54	6	17	2		10.5	R- S+	195
Archidendron grandiflorum	Late-successional		1		2		100.0	-	
Archirhodomyrtus beckleri	Early-successional		4		7	1	100.0	R+ S-	
Archontophoenix cunninghamiana	Late-successional	152	85	84	1		1.2	R- S+	80
Argyrodendron actinophylla	Late-successional	4	46	61	6	2	9.0	R- S+	-82
Argyrodendron trifoliolata	Late-successional		4	15	3		16.7	R- S-	-83
Arytera distylis	Late-successional				1	1	100.0	-	
Arytera divaricata	Late-successional		1	29	39	2	57.4	Ri S-	-40
Astrotricha latifolia		15					-	-	
Atractocarpus benthamianus	Late-successional	5	8	5	14		73.7	R+ S+	0
Auranticarpa rhombifolia	Early-successional		1		3	5	100.0	-	
Austrobuxus swainii			5	3			0.0	-	
Austrosteenisia blackii var. *blackii*				1	8		88.9	R+ S-	
Baloghia inophylla	Late-successional		12	2	5	1	71.4	R+ S-	
Beilschmiedia elliptica	Late-successional		1				-	-	
Beilschmiedia obtusifolia	Late-successional			2			0.0	-	
Brachychiton acerifolius	Late-successional	1					-	-	
Brachychiton discolor	Late-successional		1				-	-	
Breynia oblongifolia		5	1		4	5	100.0	-	
Caelospermum paniculatum			1		4		100.0	-	
Calamus muelleri		1	1	4	8		66.7	Ri S+	-25
Callerya megasperma			1		2	2	100.0	-	
Callicoma serratifolia			7	1	4		80.0	R+ S-	
Canarium australasicum	Late-successional	8	10	1			0.0	-	

Taxon Name	Successional stage (Kooyman 1996)	Detailed Fire Response (number of individuals)					Resprout rate (% of individuals)	Combined Fire Response	Abundance change (%)
		Seedlings	Alive escape	Fire- killed	Live resprout	Suckers (No. of stems)			
Capparis arborea	Late-successional		3	3	2	2	40.0	Ri S-	
Capparis sarmentosa				6	2	1	25.0	R- S-	
Cayratia eurynema		66		*5*	1	50	16.7	R- S+	
Celastrus australis				1	2		66.7	-	
Celastrus subspicata		2			10	14	100.0	R+ S+	
Celtis paniculata		5	3	4	4		50.0	Ri S+	
Cephalaralia cephalobotrys				1	1	1	50.0	-	
Ceratopetalum apetalum		1073	87	137	64		31.8	Ri S+	466
Cinnamomum oliveri	Late-successional	21	15	24	3		11.1	R- S+	-11
Cinnamomum virens	Late-successional			15	3		16.7	R- S-	-83
Cissus antarctica		84		*2*	11		84.6	R+ S+	631
Cissus hypoglauca		110	*2*		9	1	100.0	R+ S+	
Cissus sterculiifolia		1			2		100.0	-	
Citronella moorei	Late-successional		*2*		1		100.0	-	
Claoxylon australe	Late-successional	106	*1*		5	1	100.0	R+ S+	
Cleistanthus cunninghamii	Late-successional		21	25	5	1	16.7	R- S-	-80
Clerodendrum floribundum var. *floribundum*	Early-successional				2		100.0	-	
Clerodendrum tomentosum	Early-successional	1	1		10	32	100.0	R+ S+	330
Commersonia bartramia	Early-successional	19					-	-	
Cordyline congesta					1		100.0	-	
Cordyline petiolaris		6	3	1	12	3	92.3	R+ S+	62
Cordyline rubra		1	2	1	74	9	98.7	R+ S+	12
Cordyline stricta			1		6		100.0	R+ S-	
Croton acronychioides		2	5	1	26	71	96.3	R+ S+	267
Croton insularis		30	6	7	4	4	36.4	Ri S+	245
Croton verreauxii		1			12	5	100.0	R+ S+	50
Cryptocarya erythroxylon	Late-successional	3	7	2	3		60.0	Ri S+	
Cryptocarya glaucescens	Late-successional	1	10	1	7	5	87.5	R+ S+	

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Cryptocarya meissneriana			18	33	30	1	47.6	Ri S-	-51
Cryptocarya microneura	Late-successional		1	1	3		75.0	-	
Cryptocarya obovata	Late-successional	3	3		5	1	100.0	R+ S+	
Cryptocarya rigida	Late-successional				3		100.0	-	
Cupaniopsis anacardioides	Late-successional	158	3	29	70	11	70.7	R+ S+	141
Cupaniopsis parvifolia	Late-successional		1		5	6	100.0	R+ S-	
Cyathea australis			2				-	-	
Cyathea leichhardtiana			29	4	2	6	33.3	Ri S-	
Cyclophyllum longipetalum		4	2	4	21	25	84.0	R+ S+	100
Daphnandra apatela			13	3	176	6	98.3	R+ S-	2
Daphnandra melasmena			1	2	14	1	87.5	R+ S-	-6
Daphnandra tenuipes			4		2		100.0	-	
Deeringia amaranthoides		4			1	1	100.0	-	
Dendrocnide excelsa	Early-successional	276	10	5			0.0	R- S+	
Dendrocnide photinophylla	Early-successional	21			1		100.0	-	
Denhamia celastroides			3	2	16	22	88.9	R+ S-	111
Derris involuta			7		17	67	100.0	R+ S-	394
Diospyros australis	Late-successional	1					-	-	
Diospyros fasciculosa				1			0.0	-	
Diospyros pentamera	Late-successional	2	9	5	1		16.7	R- S+	-44
Diploglottis cunninghamii	Early-successional	1	1	8	8		50.0	Ri S+	
Doryphora sassafras	Late-successional		2		1		100.0	-	
Drypetes deplanchei	Late-successional		1		2		100.0	-	
Duboisia myoporoides	Early-successional	436	2		8	3	100.0	R+ S+	
Dysoxylum fraserianum	Late-successional	1	6		13	10	100.0	R+ S+	85
Dysoxylum rufum	Late-successional	1	1		3		100.0	-	
Ehretia acuminata var. *acuminata*	Late-successional				2	5	100.0	-	
Eidothea hardeniana			1	2	2		50.0	-	

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		Seedlings	Alive escape	Fire- killed	Live resprout	Suckers (No. of stems)			
Elaeocarpus eumundi		13	3				-	-	
Elaeocarpus grandis	Early-successional	5					-	-	
Elaeocarpus kirtonii	Late-successional		1				-	-	
Elaeocarpus obovatus	Late-successional	1	4	3	21	114	87.5	R+ S+	467
Elaeocarpus reticulatus	Early-successional	2	11		19		100.0	R+ S+	11
Elaeodendron australe	Late-successional		1	3	12	1	80.0	R+ S-	-13
Elattostachys nervosa	Late-successional		1	1	8	5	88.9	R+ S-	
Elattostachys xylocarpa	Late-successional				11	29	100.0	R+ S-	264
Embelia australiana		13	6		14	5	100.0	R+ S+	129
Endiandra discolor	Late-successional		2	7	7	1	50.0	Ri S-	-43
Endiandra muelleri subsp. *bracteata*		1						-	
Endiandra muelleri subsp. *muelleri*			3	4	3		42.9	Ri S-	
Endiandra sieberi	Late-successional	1	4		4	7	100.0	-	
Eupomatia bennettii			2		3		100.0	-	
Eupomatia laurina	Late-successional	3	4	7	150	4	95.5	R+ S+	0
Euroschinus falcatus var. falcatus	Early-successional	615	2	1	4	1	80.0	R+ S+	
Ficus coronata	Early-successional	26	1		1		100.0	-	
Ficus fraseri	Early-successional	5					-	-	
Ficus rubiginosa			1				-	-	
Ficus watkinsiana	Late-successional	1					-	-	
Flagellaria indica			1	2	8	8	80.0	R+ S-	60
Flindersia australis	Late-successional				2		100.0	-	
Flindersia bennettii	Late-successional	1		10	64	70	86.5	R+ S+	82
Flindersia schottiana	Early-successional		1		3		100.0	-	
Geijera paniculata		1					-	-	
Geijera salicifolia		32	1		2		100.0	-	
Glochidion ferdinandi	Early-successional	111	2	1	10	59	90.9	R+ S+	1536

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		Seedlings	Alive escape	Fire- killed	Live resprout	Suckers (No. of stems)			
Glochidion sumatranum	Early-successional	1			3	4	100.0	-	
Gmelina leichhardtii	Late-successional	5	2				-	-	
Gossia bidwillii	Late-successional		3	14	8		36.4	Ri S-	-64
Grevillea robusta	Early-successional	1014	1				-	-	
Guilfoylia monostylis	Late-successional		1		4		100.0	-	
Guioa semiglauca	Early-successional	2	8	9	17	11	65.4	Ri S+	15
Gynochthodes jasminoides		1	2		11	7	100.0	R+ S+	73
Hackelia latifolia		1					-	-	
Halfordia kendack	Late-successional		1			5	-	-	
Harpullia hillii	Late-successional		1				-	-	
Hedraianthera porphyropetala			3				-	-	
Hibbertia scandens		4			6	4	100.0	R+ S+	
Hibiscus heterophyllus subsp. *heterophyllus*		9			1		100.0	-	
Hicksbeachia pinnatifolia			2	2	6		75.0	R+ S-	
Hippocratea barbata				2			0.0	-	
Homalanthus populifolius	Early-successional	2299					-	-	
Hoya australis subsp. *australis*					1		100.0	-	
Hymenosporum flavum	Early-successional	2					-	-	
Ixora beckleri					2	3	100.0	-	
Jagera pseudorhus var. pseudorhus	Early-successional	5		4	6		60.0	Ri S+	-30
Karrabina benthamiana	Late-successional		7	6	2		25.0	R- S-	
Legnephora moorei		20					-	-	
Linospadix monostachyos			18	123	1	2	0.8	R- S-	-98
Litsea australis	Late-successional				7	1	100.0	R+ S-	
Litsea reticulata	Late-successional		2		19		100.0	R+ S-	0
Livistona australis	Late-successional	15			11		100.0	R+ S+	136
Lomatia fraseri			1				-	-	

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		Seedlings	Alive escape	Fire- killed	Live resprout	Suckers (No. of stems)			
Maclura cochinchinensis		2		4	6	3	60.0	Ri S+	10
Mallotus discolor	Early-successional	2					-	-	
Mallotus philippensis	Early-successional	3	3		15	121	100.0	R+ S+	827
Marsdenia longiloba					1		100.0	-	
Marsdenia rostrata		3			1		100.0	-	
Meiogyne stenopetala subsp. stenopetala					1		100.0	-	
Melia azedarach	Early-successional	67					-	-	
Melicope hayesii		60	1		7		100.0	R+ S+	
Melicope micrococca	Early-successional	18	3	1	22	121	95.7	R+ S+	600
Melodinus acutiflorus			1				-	-	
Melodinus australis			7	16	11	10	40.7	Ri S-	-22
Melodorum leichhardtii		1	4	9	3		25.0	R- S+	-67
Mischocarpus pyriformis subsp. pyriformis	Late-successional		10	9	28		75.7	R+ S-	-24
Myrsine subsessilis subsp. subsessilis			2	2	1	3	33.3	-	
Myrsine variabilis		4			11	8	100.0	R+ S+	
Nematolepis squamea subsp. squamea		1					-	-	
Neolitsea australiensis		2	15	30	21	1	41.2	Ri S+	-53
Neolitsea dealbata			4	13	15	1	53.6	Ri S-	-43
Notelaea longifolia		1	3	9	39	1	81.3	R+ S+	-15
Orites excelsus	Late-successional	18					-	-	
Palmeria foremanii					1	1	100.0	-	
Palmeria racemosa				3	9		75.0	R+ S-	-25
Pandorea floribunda			1				-	-	
Pandorea jasminoides			3		4	2	100.0	-	
Pandorea pandorana		41			7	6	100.0	R+ S+	
Parsonsia fulva		1			1	1	100.0	-	

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Parsonsia rotata				7			0.0	R- S-	
Parsonsia straminea		38		1	4		80.0	R+ S+	
Parsonsia velutina			1				-	-	
Parsonsia ventricosa			1				-	-	
Pennantia cunninghamii	Late-successional				1		100.0	-	
Phaleria chermsideana			3		4		100.0	-	
Pilidiostigma glabrum			1		8		100.0	R+ S-	
Pimelea ligustrina subsp. *hypericina*		1					-	-	
Piper hederaceum var. *hederaceum*		5		2			0.0	-	
Pittosporum multiflorum			8	16	79	48	83.2	R+ S-	34
Pittosporum revolutum	Early-successional		1		6	3	100.0	R+ S-	
Pittosporum undulatum	Early-successional	1	1		1		100.0	-	
Planchonella australis	Late-successional	10	7	1	8	11	88.9	R+ S+	
Planchonella chartacea				3	2	6	40.0	Ri S-	
Pleioluma queenslandica			1			2	-	-	
Polyosma cunninghamii			5		21		100.0	R+ S-	0
Polyscias elegans	Early-successional	437	4	14	33	92	70.2	R+ S+	1096
Polyscias murrayi	Early-successional	319						-	
Psychotria daphnoides		1			2	2	100.0	-	
Psychotria loniceroides	Late-successional			3	20	15	87.0	R+ S-	52
Psychotria simmondsiana				1	7	5	87.5	R+ S-	
Quintinia sieberi			3	4	6		60.0	Ri S-	-40
Quintinia verdonii			1		1	1	100.0	-	
Rhodamnia argentea	Late-successional				1		100.0	-	
Rhodamnia whiteana			1				-	-	
Rhodomyrtus psidioides					2		100.0	-	
Rhysotoechia bifoliolata subsp. *bifoliolata*			1		3		100.0	-	

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Ripogonum album		4	2	1	5	6	83.3	R+ S+	
Ripogonum discolor			2		6	2	100.0	R+ S-	
Ripogonum elseyanum			3		15	3	100.0	R+ S-	20
Rubus moluccanus					1		100.0	-	
Sambucus australasica					2		100.0	-	
Sarcomelicope simplicifolia subsp. *simplicifolia*	Late-successional		5				-	-	
Sarcopteryx stipata	Early-successional	7	22	10	16	2	61.5	Ri S+	-4
Schizomeria ovata		66	9	16	20		55.6	Ri S+	139
Scolopia braunii	Late-successional				2		100.0	-	
Siphonodon australis		8	1	1	2		66.7	-	
Sloanea australis	Late-successional	2					-	-	
Sloanea woollsii	Late-successional	32	1				-	-	
Smilax australis		702	1	20	213	23	91.4	R+ S+	303
Solanum inaequilaterum		21	1				-	-	
Stenocarpus salignus	Late-successional		4	1	4		80.0	R+ S-	
Streblus brunonianus	Early-successional				8	3	100.0	R+ S-	-4
Synoum glandulosum subsp. *glandulosum*	Late-successional	1	3	3	21	1	87.5	R+ S+	
Syzygium australe	Late-successional				5	1	100.0	R+ S-	
Syzygium francisii		67	3	17	1		5.6	R- S+	278
Syzygium luehmannii	Late-successional	7	5	3	4	2	57.1	Ri S+	
Syzygium oleosum	Late-successional		17	10	21		67.7	Ri S-	-32
Tabernaemontana pandacaqui			2				-	-	
Tasmannia insipida			1	2			0.0	-	
Toechima tenax					1		100.0	-	
Toona ciliata	Late-successional	1138	1		3	1	100.0	-	
Trema tomentosa var. aspera	Early-successional	1677					-	-	
Tristaniopsis collina			2		3		100.0	-	

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Tristaniopsis laurina	Late-successional	6		1	2		66.7	-	
Triunia youngiana	Late-successional		*1*		4	1	100.0	-	
Trochocarpa laurina		7	30	12	46		79.3	R+ S+	-9
Trophis scandens		9			10	1	100.0	R+ S+	100
Tylophora woollsii		2			1		100.0	-	
Uromyrtus australis			16	7	12	41	63.2	Ri S-	179
Wilkiea huegeliana	Late-successional	3	5		15	3	100.0	R+ S+	40
Zanthoxylum brachyacanthum		5						-	
Zieria southwellii				31			0.0	R- S-	

References:

Keith, D.A. 2004. Ocean Shores to Desert Dunes: The Native Vegetation of New South Wales and the ACT. *(Department of Environment and Conservation NSW. Hurstville, NSW*

Table S3. Pairwise comparisons using Conover-Iman post-hoc tests with Bonferroni correction (P ≤ 0.05). DRF – dry rainforest, , LRF – littoral rainforest, STRF – subtropical rainforest, WTRF – warm temperate rainforest, R+ - postfire resprouting (70-100% of individuals) after complete crown scorch by fire, Ri – intermediate resprouting (31–69%), R− no postfire resprouting (0-30%), S+ – postfire seedling recruitment (≤1 year after fire), S− –no postfire seedling recruitment. Lowest P-value possible = 0.001.

Survived fire (%)

	DRF	LRF	STRF
LRF	0.57	-	-
STRF	1	0.29	-
WTRF	1	0.44	1

Resprout after topkill (%)

	DRF	LRF	STRF
LRF	0.64	-	-
STRF	1	0.16	-
WTRF	1	0.09	1

Seedlings m^{-2}

	DRF	LRF	STRF
LRF	1	-	-
STRF	1	1	-
WTRF	1	1	0.65

Plant density (prefire) m^{-2}

	DRF	LRF	STRF
LRF	1	-	-
STRF	1	1	-
WTRF	1	0.550	1

Plant density (postfire) m^{-2}

	DRF	LRF	STRF
LRF	0.859	-	-
STRF	1	1	-
WTRF	1	0.088	0.114

Species richness (prefire)

	DRF	LRF	STRF
LRF	1	-	-
STRF	1	1	-
WTRF	1	1	1

Species richness (postfire)

	DRF	LRF	STRF
LRF	0.670	-	-
STRF	1	0.480	-
WTRF	1	0.280	1

Resprout (R+, >70 % stems, %)

	DRF	LRF	STRF
LRF	1	-	-
STRF	0.85	0.011	-
WTRF	1	0.071	1

Resprout (Ri, 31<69 % stems, %)

	DRF	LRF	STRF
LRF	1	-	-
STRF	1	0.089	-
WTRF	0.5186	**0.005**	0.588

Resprout (R-, <30% stems, %)

	DRF	LRF	STRF
LRF	0.0142	-	-
STRF	1	**0.001**	-
WTRF	0.3276	0.058	**0.003**

Seed germination (%)

	DRF	LRF	STRF
LRF	**0.026**	-	-
STRF	0.606	0.068	-
WTRF	0.67	**0.047**	1

R + S + (facultative resprouter)

	DRF	LRF	STRF
LRF	0.346	-	-
STRF	1	0.061	-
WTRF	1	0.092	1

R + S - (obligate resprouter)

	DRF	LRF	STRF
LRF	0.29	-	-
STRF	0.94	1	-
WTRF	1	0.47	1

R - S + (obligate seeder)

R - S - (fire avoider)

	DRF	LRF	STRF
LRF	0.17693	-	-
STRF	0.08487	**0.001**	-
WTRF	1	**0.016**	**0.001**

	DRF	LRF	STRF
LRF	**0.002**	-	-
STRF	1	**0.001**	-
WTRF	**0.034**	0.059	**0.022**

Turnover - Locally extinct (%)

	DRF	LRF	STRF
LRF	0.42	-	-
STRF	1	1	-
WTRF	1	1	1

Turnover - Resprout (%)

	DRF	LRF	STRF
LRF	1	-	-
STRF	1	1	-
WTRF	1	1	1

Turnover - Resprout & local seed (%)

	DRF	LRF	STRF
LRF	0.721	-	-
STRF	1	0.195	-
WTRF	1	**0.018**	1

Turnover - Local seed (%)

	DRF	LRF	STRF
LRF	1	-	-
STRF	1	1	-
WTRF	1	1	1

Turnover - New taxa by seed (%)

	DRF	LRF	STRF
LRF	0.139	-	-
STRF	1	0.052	-
WTRF	1	0.096	1

Turnover - Unscorched (%)

	DRF	LRF	STRF
LRF	1	-	-
STRF	1	0.260	-
WTRF	1	0.170	1

Turnover - Unscorched & resprout (%)

	DRF	LRF	STRF
LRF	1	-	-
STRF	1	1	-
WTRF	1	0.800	1

Turnover - Unscorched, resprout & local seed (%)

	DRF	LRF	STRF
LRF	1	-	-
STRF	1	1	-
WTRF	1	1	1

Resprout response by DBH (0 ≤ 1 cm)

	DRF	LRF	STRF
LRF	1	-	-
STRF	1	1	-
WTRF	1	1	1

Resprout response by DBH (1 ≤ 2 cm)

	DRF	LRF	STRF
LRF	1	-	-
STRF	1	1	-
WTRF	1	1	1

Resprout response by DBH (2 ≤ 3 cm)

	DRF	LRF	STRF
LRF	1	-	-
STRF	1	0.240	-
WTRF	1	1	0.210

Resprout response by DBH (3 ≤ 5 cm)

	DRF	LRF	STRF
LRF	1	-	-
STRF	1	0.188	-
WTRF	1	0.056	1

Resprout response by DBH (5 ≤ 10 cm)

	DRF	LRF	STRF
LRF	1	-	-
STRF	1	1	-
WTRF	1	1	1

Resprout response by DBH (>10 cm)

	DRF	LRF	STRF
LRF	1	-	-
STRF	1	1	-
WTRF	1	1	1

Resprout response by plant height (0 ≤ 1 m)

Resprout response by plant height (1 ≤ 2 m)

	DRF	LRF	STRF
LRF	1	-	-
STRF	1	0.470	-
WTRF	1	1	1

	DRF	LRF	STRF
LRF	1	-	-
STRF	1	0.770	-
WTRF	1	1	1

Resprout response by plant height (2 ≤ 5 m)

	DRF	LRF	STRF
LRF	1	-	-
STRF	1	0.810	-
WTRF	1	1	1

Resprout response by plant height (5 ≤ 10 m)

	DRF	LRF	STRF
LRF	1	-	-
STRF	1	1	-
WTRF	1	1	1

Resprout response by plant height (>10 m)

	DRF	LRF	STRF
LRF	0.480	-	-
STRF	0.510	1	-
WTRF	1	1	1

Resprouting proportion by diameter (DBH) class

	>10cm	0-1cm	1-2cm	2-3cm	3-5cm
0-1cm	1	-	-	-	-
1-2cm	1	1	-	-	-
2-3cm	1	1	1	-	-
3-5cm	1	1	1	1	-
5-10cm	1	1	1	1	1

Resprouting proportion by height class

	>10m	0-1m	1-2m	2-5m
0-1m	1	-	-	-
1-2m	1	1	-	-
2-5m	1	0.23	1	-
5-10m	1	1	1	1

Density change by fire severity class

	3	3.5	4
3.5	1	-	-
4	1	1	-
4.5	1	1	1

Species richness change by fire severity class

	3	3.5	4
3.5	1	-	-
4	1	1	-
4.5	1	1	1