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10 APPENDICES

Appendix 1.1

Please pull out sheet for reference throughout the thesis.

Appendix 1.1. Acronyms for the components of the fire regime (introduced in Chapter 1) and the combinations of fire categories (introduced in Chapter 4).	
Fire frequency components	
NOF	Number of fires
SIFI	Shortest inter-fire interval
TSLF	Time since last fire
Fire categories	
LLL	Low NOF, long SIFI, long TSLF
MLL	Moderate NOF, long SIFI, long TSLF
MLS	Moderate NOF, long SIFI, short TSLF
MSL	Moderate NOF, short SIFI, long TSLF
MSS	Moderate NOF, short SIFI, short TSLF
HSS	High NOF, short SIFI, short TSLF

Appendix 2.1

Appendix 2.1. Family and species name changes from the original source of Harden (1990; 1991; 1992; 1993).		
Previous name in Flora of NSW	Current name	Reference
<i>Austrostipa</i> sp.	<i>Austrostipa</i> sp.	Jacobs and Everett (1996)
<i>Banksia integrifolia</i> subsp. A	<i>Banksia integrifolia</i> subsp. <i>monticola</i>	Theile and Ladiges (1994)
<i>Bursaria spinosa</i> subsp. <i>spinosa</i>	<i>Bursaria spinosa</i> var. <i>obovata</i>	Cayzer et al. (1999)
<i>Danthonia</i> sp.	<i>Austrodanthonia</i> sp.	Linder (1997)
<i>Eucalyptus gummifera</i>	<i>Corymbia gummifera</i>	Hill and Johnson (1995)
<i>Gnaphalium coarctatum</i>	<i>Gamochaeta spicata</i>	Reinstatement of old name
<i>Gnaphalium involuclratum</i>	<i>Euchiton involuclratum</i>	Reinstatement of old name
<i>Gnaphalium</i> sp.	<i>Euchiton</i> sp.	Reinstatement of old name
<i>Gnaphalium sphaericus</i>	<i>Euchiton sphaericus</i>	Reinstatement of old name
<i>Oxylobium ilicifolium</i>	<i>Podolobium ilicifolium</i>	Crisp and Weston (1995)
<i>Phyllanthus gasstroemii</i>	<i>Phyllanthus gunnii</i>	Hunter and Bruhl (1997)
<i>Rubus moluccanus</i>	<i>Rubus moluccanus</i> var. <i>trilobus</i>	
Previous family name in Flora of NSW	Current family name	Reference
Luzuriagaceae	Geitonoplesiaceae	Coran (1994)

Appendix 3.1

Appendix 3.1. Satellite Image dates and number of fire mapped from hardcopy records used for each fire season for the compilation of the fire history. Satellite data sources are: TM = Landsat Thematic Mapper and MSS = Landsat Multispectral Scanner. * = years where no data were available.

Fire Season	Satellite mage date and source	Number of fire boundaries mapped from hardcopy records
1972-73	December 1972 (MSS)	
1973-74*		
1974-75		1
1975-76	October 1975 (MSS)	1
1976-77		2
1977-78		2
1978-79		1
1979-80	November 1979 (MSS) April 1980 (MSS)	3
1980-81	February 1981 (MSS) April 1981 (MSS)	1
1981-82	April 1982 (MSS)	
1982-83	October 1982 (MSS) December 1982 (MSS) April 1983 (MSS)	
1983-84	1984 (MSS) (no month recorded in UNE catalogue)	
1984-85	December 1984 (MSS) April 1985 (MSS)	7
1985-86	February 1986 (MSS)	2
1986-87		3
1987-88	February 1988 (TM)	2
1988-89	August 1988 (MSS) March 1989 (MSS)	2
1989-90		4
1990-91	August 1990 (MSS) March 1991 (MSS)	5
1991-92*		
1992-93	November 1992 (TM) January 1993 (MSS)	2
1993-94	April 1994 (MSS)	3
1994-95	July 1994 (TM) (pilot data) September 1994 (TM) December 1994 (TM) (pilot data) May 1995 (TM) (pilot data)	ARMS mapped
1995-96		ARMS mapped
1996-97		ARMS mapped
1997-98	January 1998	ARMS mapped

Appendix 4.1

Appendix 4.1. Mean cover (and standard error) for ground cover species surveyed in the Tablelands. Sorted in order of descending abundance in the HSS category within each growth form.										
	Fire category	HSS		MSS		MLS		LLL		
Growth form	Species	Mean	sem	Mean	sem	Mean	sem	Mean	sem	
Grasses	<i>Poa sieberiana</i> var. <i>sieberiana</i>	18.70	5.58	7.66	2.52	7.28	1.81	13.00	5.52	
	<i>Sorghum leiocladum</i>	17.26	7.66	1.26	4.00	3.60	3.28	5.64	0.63	
	<i>Themeda australis</i>	16.60	3.99	33.42	5.44	1.60	7.42	3.82	1.12	
	<i>Imperata cylindrica</i> var. <i>major</i>	2.32	3.29	17.36	3.39	1.38	0.86	7.74	2.82	
	<i>Echinopogon caespitosus</i>	0.66	0.38	1.20	0.72	0.13	0.13	0.40	0.24	
	<i>Dichelachne micrantha</i>	0.58	0.33	0.32	0.18	0.50	0.50			
	<i>Oplismenus aemulus</i>	0.40	0.40			0.30	0.30			
	<i>Microlaena stipoides</i>	0.26	0.12					0.10	0.13	
	<i>Poaceae</i> sp.	0.24	0.24							
	<i>Entolasia</i> sp.	0.12	0.73			2.13	2.13			
	<i>Cymbopogon refractus</i>	0.10	0.10							
	Sedge, rush and Other monocots	<i>Lomandra longifolia</i>	3.30	1.29	0.46	0.46	6.93	1.68	5.34	3.87
<i>Lomandra confertifolia</i>		1.10	0.86	1.60	0.47	1.50	1.17	0.34	0.12	
<i>Hybanthus monopetalus</i>		0.60	0.40							
<i>Luzula</i> sp.		0.60	0.60							
<i>Pteridium esculentum</i>		0.40	0.33	2.10	0.87	1.95	1.92	4.22	3.66	
<i>Lomandra filiformis</i>		0.34	0.32	0.40	0.40					
<i>Arthropodium milleflorum</i>		0.30	0.14							
<i>Juncus</i> sp.		0.20	0.20							
<i>Dianella caerulea</i> var. <i>producta</i>		0.10	0.10	0.14	0.14	1.15	0.62	0.92	0.25	
<i>Dianella longifolia</i> var. <i>longifolia</i>		0.10	0.10							
<i>Adiantum aethiopicum</i>						0.25	0.25			
<i>Adiantum diaphanum</i>								0.10	0.09	
<i>Blechnum cartilagineum</i>						5.10	5.10	0.30	0.24	
<i>Calochlaena dubia</i>								3.80	0.75	
<i>Cephalalaria cephalobotrys</i>								0.82	1.25	
<i>Dianella revoluta</i> var. <i>vinosa</i>						1.15	0.93	0.40	0.35	
<i>Gahnia aspera</i>								1.74	1.33	
<i>Hypolepis</i> sp.								0.28	0.35	
<i>Juncus usitatus</i>				0.10	0.10					
<i>Lastreopsis</i> sp.								0.96	1.20	
<i>Lepidosperma laterale</i>			0.10	0.10	2.88	2.88	0.40	0.35		
<i>Lomandra multiflora</i> subsp. <i>multiflora</i>					0.45	0.45				

	Fire category	HSS		MSS		MLS		LLL	
Growth form	Species	Mean	sem	Mean	sem	Mean	sem	Mean	sem
Forbs	<i>Haloragis heterophylla</i>	1.18	0.44	0.54	0.20	0.25	0.25	0.12	0.50
	<i>Desmodium varians</i>	1.10	0.33	1.28	0.38	0.41	0.27	0.41	0.88
	<i>Hypochaeris radicata</i>	0.92	0.32	0.58	0.36	0.13	0.48	0.30	0.17
	<i>Hibbertia obtusifolia</i>	0.80	0.80						
	<i>Ranunculus lappaceus</i>	0.80	0.80						
	<i>Veronica calycina</i>	0.80	0.80						
	<i>Zornia dyctiocarpa</i> var. <i>dyctiocarpa</i>	0.80	0.80						
	<i>Viola betonicifolia</i> subsp. <i>betonicifolia</i>	0.76	0.31	0.61	0.26	0.35	0.18	0.57	0.41
	<i>Geranium solanderi</i> var. <i>solanderi</i>	0.74	0.32	1.60	0.12	1.00	0.39	1.17	0.44
	<i>Glycine</i> sp.	0.66	0.43	0.18	0.14			0.40	0.50
	<i>Euchiton sphaericus</i>	0.60	0.60	0.32	0.20			0.12	0.15
	<i>Oxalis</i> sp.1	0.60	0.60						
	<i>Oxalis perennans</i>	0.60	0.40	0.20	0.20	0.38	0.38	0.10	0.13
	<i>Senecio amygdalifolius</i>	0.60	0.60						
	<i>Pratia purpurascens</i>	0.58	0.15	0.81	0.15	0.38	0.12	1.30	0.61
	<i>Opercularia aspera</i>	0.40	0.40	0.68	0.23	0.18	0.14	0.13	0.60
	<i>Polygala japonica</i>	0.40	0.24						
	<i>Galium propinquum</i>	0.34	0.19	0.40	0.11			0.26	0.13
	<i>Helichrysum rutidolepis</i>	0.32	0.20	0.32	0.20	0.25	0.25	0.66	0.38
	<i>Euchiton involucratus</i>	0.28	0.14	0.46	0.34			0.40	
	<i>Goodenia bellidifolia</i> subsp. <i>bellidifolia</i>	0.26	0.19					0.14	0.50
	<i>Oreomyrrhis eriopoda</i>	0.26	0.26	0.10	0.10			0.80	0.50
	<i>Senecio lautus</i>	0.26	0.17	0.80	0.80				
	<i>Hypericum gramineum</i>	0.24	0.24						
	<i>Pomax umbellata</i>	0.22	0.22						
	<i>Asteraceae</i> sp.	0.20	0.20	0.40	0.40			0.60	0.75
	<i>Bracteantha bracteata</i>	0.20	0.20	0.10	0.10	0.63	0.63		
	<i>Glycine clandestina</i>	0.20	0.84	0.12	0.97	0.35	0.24	0.25	0.18
	<i>Glycine tabacina</i>	0.20	0.20	0.15	0.10			0.16	
	<i>Hydrocotyle laxiflora</i>	0.20	0.20	0.13	0.97	0.25	0.25		
	<i>Solenogyne bellioides</i>	0.20	0.15	0.12	0.37	0.38	0.19	0.80	
	<i>Conyza bonariensis</i>	0.18	0.86	0.20	0.15	0.75	0.48	0.40	0.50
	<i>Opercularia hispida</i>	0.16	0.16	0.12	0.12				
	<i>Helichrysum elatum</i>	0.14	0.98	0.12	0.12	0.33	0.24		
	<i>Poranthera microphylla</i>	0.14	0.12						
	<i>Dichondra repens</i>	0.12	0.97	0.57	0.23	0.18	0.48	0.48	0.17
	<i>Rubus parvifolius</i>	0.12	0.12	0.68	0.42	0.45	0.26	0.42	0.23
	<i>Stylidium graminifolium</i>	0.12	0.97	0.24	0.19			0.12	
	<i>Acaena novae-zelandiae</i>	0.10	0.10	0.80	0.49	0.10	0.10	0.20	0.87
	<i>Calotis dentex</i>	0.10	0.10	0.11	0.60	0.80	0.44	0.60	0.75
	<i>Euchiton</i> sp.	0.10	0.10						
	<i>Gonocarpus tetragynus</i>	0.10	0.63	0.80	0.80	0.80	0.59	0.39	0.15
	<i>Trachymene</i> sp. nov.	0.10	0.10	0.40	0.40			0.44	0.25
	<i>Wahlenbergia</i> sp.	0.10	0.77						

	Fire category	HSS		MSS		MLS		LLL		
Growth form	Species	Mean	sem	Mean	sem	Mean	sem	Mean	sem	
Forb (cont)	<i>Asteraceae</i> sp.1.			0.80	0.80					
	<i>Asteraceae</i> sp. 2.					0.75	0.75			
	<i>Billardiera scandens</i>							0.60	0.75	
	<i>Bossiaea rhombifolia</i>					0.50	0.50			
	<i>Brachycome nova-anglica</i>							0.40		
	<i>Centella asiatica</i>					0.50	0.50	0.20	0.25	
	<i>Cissus antarctica</i>							0.20	0.25	
	<i>Craspedia variabilis</i>			0.60	0.60					
	<i>Eustrephus latifolius</i>					0.63	0.22	0.90	0.52	
	<i>Gonocarpus oreophilus</i>					1.10	1.10			
	<i>Hardenbergia violacea</i>			1.60	0.90	0.80	0.62	0.28	0.13	
	<i>Hibbertia aspera</i>							0.60	0.75	
	<i>Hibbertia dentata</i>					0.75	0.75			
	<i>Hibbertia scandens</i>			0.16	0.16	0.48	0.38	0.44	0.41	
	<i>Hydrocotyle</i> sp.							0.16	0.14	
	<i>Hydrocotyle pedicellosa</i>							0.10	0.95	
	<i>Kennedia rubicunda</i>				0.10	0.10	1.43	0.69		
	<i>Mentha satuireioides</i>				0.20	0.20	0.63	0.47		
	<i>Oxalis</i> sp.2								0.26	0.29
	<i>Picris hieracioides</i>				0.18	0.18	0.25	0.25		
	<i>Rubus moluccanus</i> var. <i>trilobus</i>								0.38	0.48
	<i>Rubus rosifolius</i>								0.10	0.13
	<i>Rumex brownii</i>						0.18	0.18		
<i>Senecio</i> sp.						0.25	0.25	0.10	0.13	
<i>Sigesbeckia orientalis</i>						0.25	0.25			
<i>Smilax australis</i>						0.30	0.24	0.50	0.32	
<i>Urtica incisa</i>								0.52	0.65	
<i>Wahlenbergia stricta</i>				0.40	0.40					
Orchids	Unknown 1.	0.40	0.40							
	<i>Microtis</i> sp.	0.10	0.10							
	<i>Dipodium roseum</i>							0.80	0.10	
	<i>Acianthus</i> sp.					0.50	0.50	0.30	0.38	
	<i>Pterostylis</i> sp.							0.40	0.50	
	Unknown 2.			0.18	0.18					
	Unknown 3.					0.75	0.75			
Other	Bare ground + leaves	2.70	0.95	3.30	1.85	11.38	3.98	22.54	1.74	
	Dead & down (wood)	0.52	0.33	3.56	0.85	6.20	2.56	4.16	2.69	
	Rock			1.66	1.66	7.30	3.72			

Appendix 4.2

Appendix 4.2. Mean cover (and sem) for ground cover species surveyed in the Gorge. Sorted in order of descending abundance in the MSS category within each growth form.											
Growth form	Species	MSS		MSL		MLS		MLL		LLL	
		Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem
Grass	<i>Themeda australis</i>	15.84	4.73	30.63	5.94	20.67	7.19	17.16	7.58	25.10	7.39
	<i>Poa sieberiana</i> var. <i>sieberiana</i>	4.96	3.02	3.93	3.78	2.17	1.56	1.48	0.84	1.82	1.25
	<i>Sorghum leocladum</i>	2.14	1.40	6.40	3.20	13.15	4.34	7.30	3.94	3.70	2.18
	<i>Imperata cylindrica</i> var. <i>major</i>	1.70	1.41			2.57	1.78	0.54	0.54	0.34	0.29
	<i>Dichleachne micranthus</i>	1.50	1.02	0.33	0.33	0.47	0.51	2.50	1.03	0.02	0.02
	<i>Austrodanthonia</i> sp.	1.34	1.29					0.50	0.50		
	<i>Cymbopogon refractus</i>	1.30	1.07	0.50	0.50	0.55	0.38	4.00	1.87	0.04	0.04
	<i>Panicum</i> sp.	1.24	1.19					0.66	0.66	0.10	0.10
	<i>Pennisetum clandestinum</i>	1.00	1.00								
	<i>Michrolaena stipoides</i>	0.40	0.40			0.73	0.80	0.20	0.20		
	<i>Poaceae</i> sp.	0.40	0.40					0.20	0.20		
	<i>Sporobolus creber</i>	0.40	0.40								
	<i>Poaceae</i> sp. 1	0.38	0.38								
	<i>Austrostipa</i> sp.	0.20	0.20								
	<i>Dichanthium</i> sp.	0.20	0.20			0.17	0.18				
	<i>Oplismenus imbecillis</i>	0.12	0.07							0.04	0.04
	<i>Entolasia</i> sp.	0.10	0.10								
	<i>Notodanthonia</i> sp.	0.10	0.10								
	<i>Aristida</i> sp.	0.08	0.08							0.68	0.49
	<i>Cynodon dactylon</i>			0.30	0.30	0.33	0.37	0.60	0.60		
	<i>Deuxyia</i> sp.			0.50	0.50						
	<i>Digitaria brownii</i>					0.30	0.33				
	<i>Digitaria</i> sp.							0.30	0.30		
	<i>Echinopogon caespitosus</i>			0.17	0.17			0.50	0.50	0.20	0.20
	<i>Elymus scaber</i>					0.25	0.27				
	<i>Entolasia stricta</i>					1.00	0.53			0.08	0.08
	<i>Poaceae</i> sp. 1					2.73	2.05			1.48	1.05
	<i>Poaceae</i> sp. 2							0.20	0.20	4.38	4.38
	<i>Poaceae</i> sp. 3					0.97	1.06	0.50	0.32	0.36	0.29
	<i>Poaceae</i> sp. 4					1.57	1.33				
Sedge & rush	<i>Lomandra longifolia</i>	1.58	1.22	2.17	1.01	0.90	0.65	1.40	0.52	2.38	1.85
	<i>Lomandra confertifolia</i>	1.14	0.53	1.03	0.38	0.67	0.24	2.30	1.36	1.08	0.44
	<i>Lomandra</i> sp.	0.72	0.72								
	<i>Dianella longifolia</i> var. <i>longifolia</i>	0.52	0.52			0.47	0.51	0.18	0.11	0.06	0.06
	<i>Lepidosperma laterale</i>	0.40	0.40			0.33	0.37	0.12	0.12		
	<i>Dianella caerulea</i>	0.20	0.14	0.47	0.29	0.15	0.10	0.40	0.31	0.16	0.14
	<i>Dianella</i> sp.	0.14	0.10			0.07	0.07	0.26	0.26		
	<i>Fimbristylis dichotoma</i>	0.08	0.08								
	<i>Cyperus</i> sp. no.1.	0.04	0.02								
	<i>Adiantum aethiopicum</i>	0.02	0.02	0.07	0.07			0.14	0.06		
	<i>Cyperus</i> sp. no.2.	0.02	0.02								
	<i>Lomandra filiformis</i>	0.02	0.02	0.03	0.03	0.05	0.04	0.02	0.02	0.16	0.11
	<i>Adiantum formosum</i>							0.04	0.04		
	<i>Blechnum cartilagineum</i>							7.52	7.52		
	<i>Cheilanthes seberi</i>					0.05	0.05			0.02	0.02
<i>Dianella revoluta</i> var. <i>vinosa</i>							0.10	0.10			

Growth Form	Species	MSS		MSL		MLS		MLL		LLL	
		Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem
Sedge & rush (cont)	<i>Doodia aspera</i>							0.70	0.70		
	<i>Gymnostachys anceps</i>							0.04	0.04		
	<i>Hybanthus monopetalus</i>					0.02	0.02				
	<i>Lomandra multiflora</i> subsp. <i>multiflora</i>			0.07	0.07						
	<i>Pteridium esculentum</i>			0.10	0.10			8.84	8.84		
Orchid	<i>Pterostylis</i> sp.	0.02	0.02								
Forbs	<i>Bidens pilosa</i>	0.64	0.62			0.33	0.20	0.10	0.06	0.16	0.09
	<i>Desmodium rhytidophyllum</i>	0.54	0.18	0.07	0.07	0.35	0.13	0.32	0.21	0.22	0.12
	<i>Desmodium varians</i>	0.54	0.09	0.33	0.09	0.72	0.15	0.34	0.14	0.46	0.12
	<i>Desmodium brachypodum</i>	0.36	0.19	0.40	0.21	0.35	0.19	0.56	0.28	0.26	0.12
	<i>Opercularia hispida</i>	0.28	0.17	0.27	0.27			0.34	0.27	0.16	0.16
	<i>Glycine clandestina</i>	0.26	0.15	0.40	0.15	0.22	0.10	0.24	0.07	0.16	0.05
	<i>Pratia purpurascens</i>	0.26	0.09			0.23	0.11	0.24	0.11	0.32	0.14
	<i>Hardenbergia violacea</i>	0.22	0.11	0.13	0.09	0.17	0.14			0.20	0.20
	<i>Vernonia cinerea</i>	0.22	0.15	0.10	0.10	0.15	0.16	0.20	0.20	0.06	0.06
	<i>Conzuya bonariensis</i>	0.18	0.11	0.07	0.07			0.14	0.10	0.04	0.04
	<i>Dichondra repens</i>	0.16	0.10	0.03	0.03	0.13	0.08	0.38	0.22	0.14	0.09
	<i>Eustrephus latifolius</i>	0.14	0.10	0.03	0.03	0.07	0.07	0.42	0.18		
	<i>Fabaceae</i> sp.	0.10	0.10								
	<i>Glossygne tannensis</i>	0.10	0.06			0.07	0.07	0.04	0.04		
	<i>Verbena bonariensis</i>	0.10	0.10							0.10	0.10
	<i>Viola betonicifolia</i> subsp. <i>betonicifolia</i>	0.10	0.08	0.37	0.12	0.03	0.02	0.12	0.12	0.02	0.02
	<i>Glycine tabacina</i>	0.08	0.04			0.25	0.13	0.02	0.02	0.06	0.04
	<i>Jasminium suavissimum</i>	0.08	0.08								
	<i>Poranthera microphylla</i>	0.08	0.08			0.07	0.07				
	<i>Vittadinia dissecta</i>	0.08	0.08								
	<i>Commelina cyanea</i>	0.06	0.04			0.33	0.37				
	<i>Glycine</i> sp.	0.06	0.06			0.05	0.04			0.02	0.02
	<i>Gonocarpus tetragynus</i>	0.06	0.06			1.08	1.19	0.10	0.08	0.04	0.04
	<i>Hypochaeris radicata</i>	0.06	0.06	0.07	0.07						
	<i>Phyla nodiflora</i>	0.06	0.04	0.10	0.10	0.17	0.09	0.04	0.04	0.20	0.13
	<i>Podolepis</i> sp.	0.06	0.06								
	<i>Asteraceae</i> sp. 3.	0.04	0.04								
	<i>Stylidium graminifolium</i>	0.04	0.04	0.03	0.03	0.03	0.04				
	<i>Wahlenbergia</i> sp. no.2.	0.04	0.02								
	<i>Zornia dyctiocarpa</i> var. <i>dyctiocarpa</i>	0.04	0.04								
	<i>Crotalaria montana</i>	0.02	0.02								
	<i>Geranium</i> sp.	0.02	0.02			0.02	0.02				
<i>Senecio lautus</i>	0.02	0.02									
<i>Veronica calycina</i>	0.02	0.02									
<i>Viola hederacea</i>	0.02	0.02									
<i>Wahlenbergia</i> sp. no.1.	0.02	0.02	0.03	0.03	0.02	0.02	0.06	0.04	0.02	0.02	
<i>Ajuga australis</i>			0.07	0.03			0.02	0.02			
<i>Aphanopetalum resinsum</i>							0.06	0.06			
<i>Asperula conferta</i>					0.02	0.02	0.12	0.10			
<i>Asteraceae</i> sp. no. 1.					0.03	0.04					

Growth Form	Species	MSS		MSL		MLS		MLL		LLL	
		Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem
Forb (cont)	<i>Asteraceae</i> sp. 2.					0.05	0.05				
	<i>Brachycome novae-anglicae</i>			0.10	0.10						
	<i>Brachycome microcarpa</i>									0.04	0.04
	<i>Brachycome</i> sp.					0.02	0.02				
	<i>Calotis dentex</i>							0.06	0.04		
	<i>Calotis</i> sp.							0.04	0.04		
	<i>Centaurium erythraea</i>							0.06	0.06		
	<i>Cissus antarctica</i>							0.04	0.04		
	<i>Clematis glycinoides</i>									0.02	0.02
	<i>Derwentia arcuata</i>			0.07	0.07						
	<i>Dichondra</i> sp. A.									0.02	0.02
	<i>Euchiton</i> sp.							0.10	0.10		
	<i>Euchiton involucratus</i>			0.10	0.06						
	<i>Galium propinquum</i>			0.03	0.03						
	<i>Geranium homeanum</i>			0.03	0.03						
	<i>Geranium solanderi</i> var. <i>solanderi</i>							0.06	0.04	0.02	0.02
	<i>Goodenia hederacea</i>			0.03	0.03					0.02	0.02
	<i>Haloragis heterophylla</i>					0.03	0.04	0.02	0.02	0.04	0.04
	<i>Helichrysum elatum</i>							0.06	0.06		
	<i>Helichrysum rutidolepis</i>					0.03	0.04	0.06	0.06		
	<i>Hibbertia dentata</i>							0.30	0.18		
	<i>Hypericum gramineum</i>			0.03	0.03			0.10	0.06		
	<i>Jasminium suavissimum</i>					0.17	0.18	0.30	0.30	0.86	0.54
	<i>Lobelia trigonacaulis</i>							0.02	0.02		
	<i>Mentha diemenica</i>							0.08	0.08		
	<i>Opercularia aspera</i>			0.13	0.13	0.25	0.14			0.16	0.14
	<i>Oxalis radicata</i>					0.07	0.07				
	<i>Oxalis</i> sp.							0.06	0.06	0.02	0.02
	<i>Phyllanthus virgatus</i>							0.18	0.14		
	<i>Picris</i> sp.					0.02	0.02				
<i>Plectranthus parviflorus</i>					0.05	0.05	0.30	0.14			
<i>Podolepis neglecta</i>									0.04	0.04	
<i>Polygala japonica</i>							0.04	0.04	0.02	0.02	
<i>Prunella vulgaris</i>			0.17	0.17							
<i>Ranunculus</i> sp.							0.18	0.18			
<i>Rubus hilli</i>							0.04	0.04			
<i>Rubus parvifolius</i>			0.20	0.15			0.14	0.14			
<i>Senecio lautus</i>							0.04	0.04	0.06	0.06	
<i>Senecio diaschides</i>			0.07	0.07	0.03	0.04	0.04	0.04	0.06	0.04	
<i>Sigesbeckia orientalis</i>							0.16	0.14			
<i>Smilax australis</i>					0.02	0.02	0.14	0.09			
<i>Stephania japonica</i>					0.03	0.04					
<i>Veronica</i> sp.							0.04	0.04			
<i>Wahlenbergia gracilis</i>			0.13	0.13					0.04	0.04	
<i>Wahlenbergia luteola</i>			0.13	0.13							
<i>Wahlenbergia stricta</i>									0.04	0.04	
Other	Leaf litter	32.48	7.40	32.27	4.59	22.65	5.66	14.54	3.17	34.90	4.83
	Bare ground	11.82	4.21	11.87	5.17	9.25	2.87	3.58	0.90	11.26	1.72
	Rock	6.98	2.80	0.33	0.33	7.82	4.50	2.18	2.18	4.50	1.38

Appendix 5.1

Appendix 5.1. Mean germinates per species (and standard error) for species germinated from the seed bank for each site. HSS-Pre = HSS Preburn sites, HSS-UB = HSS unburnt sites, HSS-Post = HSS Post burn sites and LLL-UB = LLL unburnt sites.

Growth form	Species	HSS-Pre						HSS-UB						HSS-Post						LLL-UB					
		Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem
		1		2		3		1		2		3		1		2		3		1		2		3	
Grass	<i>Dichelachne micrantha</i>																	2.00	0.00					0.00	
	<i>Digitaria</i> sp.	3.50	0.65	5.00	0.50	5.50	0.29	7.67	0.29	8.00	0.00	5.67	1.04			2.50	0.35							0.00	
	<i>Echinopogon caespitosus</i>	4.25	0.48	7.50	2.53	5.50	0.50	3.50	0.50	4.25	0.25	3.75	0.48	5.00	0.00					8.00	0.00	3.00	0.00	1.67	0.29
	<i>Entolasia marginata</i>														1.00	0.00	1.00	0.00	5.00	0.00	3.00	1.32			
	<i>Entolasia stricta</i>	3.50	1.19	5.75	0.48	4.75	0.48	2.00	0.00	1.75	0.25	1.75	0.25									4.50	1.77		
	<i>Eragrostis</i> sp.	5.00	1.08	5.50	0.65	8.00	0.71	3.00	0.00	2.50	0.35	4.00	0.50	1.50	0.35	3.50	1.06	2.00	0.00	4.00	0.00	4.00	2.12		
	<i>Imperata cylindrica</i> var. <i>major</i>	5.25	0.75	8.75	1.25	6.50	2.47	5.00	1.41	5.25	1.55	6.50	1.19							4.00	0.00				
	<i>Microlaena stipoides</i> var. <i>stipoides</i>	4.00	1.78	10.00	1.35	8.00	2.52	10.75	1.75	9.00	1.41	6.50	2.10	1.00	0.00	7.00	0.00			3.33	1.04				
	<i>Oplismenus aemulus</i>	7.00	0.00	1.00	0.00	3.25	1.03	1.00	0.00	2.00	0.00			1.00	0.00	7.00	1.87	5.25	1.93	3.00	0.00	8.00	2.97	3.00	0.87
	<i>Panicum</i> sp.															2.00	0.00	1.00	0.00						
	<i>Poaceae</i> sp.	10.75	3.20	12.00	1.22	14.00	1.22	14.50	3.30	12.75	2.29	8.00	2.04	4.25	0.85	15.75	4.46	8.00	1.91	18.25	4.37	101.25	13.22	15.75	4.73
	<i>Poa sieberiana</i> var. <i>sieberiana</i>	3.75	0.48	5.50	1.19	5.75	1.11	9.00	2.48	8.50	2.40	7.00	1.08	1.50	0.35	3.00	0.00	3.00	1.32	19.25	8.02	58.00	16.08	6.00	1.32
	<i>Sorghum</i> sp.	1.50	0.35	3.00	0.71	2.00	0.00									4.00	0.00			3.00	0.71			5.33	2.89
	<i>Sporobolus creber</i>	4.00	0.00	6.75	2.46	11.00	2.48	4.33	1.44	8.25	3.15	4.67	1.26	7.33	2.02	26.25	4.42	28.25	2.29	4.00	1.22	3.33	1.61	10.25	5.09
	<i>Themeda australis</i>	2.25	0.48	3.00	0.00	4.00	1.32	6.67	2.25	5.33	2.47	4.00	0.87			8.00	0.00								

	Areas	HSS-Pre						HSS-UB						HSS-Post						LLL-UB					
		Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem
Growth form	Species	1		2		3		1		2		3		1		2		3		1		2		3	
Sedge and rush	<i>Bulbostylis densa</i>	2.00	0.00	3.33	0.29	2.00	0.00	6.00	2.18	2.00	0.00	3.33	0.58	2.25	0.25	5.75	1.03	3.33	0.58	31.00	16.02	63.50	18.50	3.25	1.03
	<i>Carex breviculmis</i>	2.67	0.76	2.67	0.29	4.00	1.00	2.00	0.00	4.00	1.00	3.50	1.32	4.75	1.65	4.00	0.71	5.50	0.65	21.25	1.80	32.75	3.28	4.50	2.47
	<i>Carex inversa</i>			3.00	0.71			2.00	0.00							1.50	0.35			5.67	1.26				
	<i>Cyperaceae</i> sp.	3.50	1.77											3.00	0.71	3.33	1.61	1.00	0.00	36.75	15.61	52.75	9.23	3.00	0.71
	<i>Cyperus sanguinolentus</i>	3.33	0.58	10.67	7.51	3.50	1.77	5.75	2.06	1.67	0.29	2.50	0.29	1.00	0.00	3.33	0.58	2.50	1.06	25.50	0.35	69.25	12.49	3.00	0.71
	<i>Dianella</i> sp.					1.00	0.00							1.00	0.00					2.00	0.50	1.00	0.00	1.00	0.00
	<i>Eleocharis atricha</i>																			4.00	0.00	3.00	0.00		
	<i>Eleocharis gracilis</i>															6.00	0.00			22.50	13.79	51.50	10.07	3.00	0.00
	<i>Fimbristylis dichotoma</i>							4.33	1.26	1.00	0.00					4.67	0.29	2.00	0.00	3.00	0.00	8.00	4.77		
	<i>Juncus bufonius</i>	4.50	0.35	1.00	0.00											4.50	1.06	2.00	0.00	2.00	0.00	4.33	1.61	2.00	0.00
	<i>Juncus planifolius</i>																			17.00	0.00				
	<i>Juncus</i> sp.	13.00	0.00	15.00	0.00	5.00	0.00	25.00	16.97	2.00	0.00	2.00	0.00	19.00	0.00	39.00	0.00	15.00	0.00	24.50	13.79	53.75	45.84	3.00	0.00
	<i>Juncus subsecundus</i>	9.33	1.89	14.67	0.76	12.67	2.89	14.33	9.81	4.00	1.32	3.33	0.76	20.33	1.44	24.00	5.22	14.67	3.88	23.67	12.10	82.75	43.10	19.33	2.47
	<i>Luzula densiflora</i>	2.00	0.00			2.00	0.00	1.00	0.00			3.00	0.00	1.00	0.00	1.67	0.29	1.00	0.00	2.00	0.87	4.33	1.53	1.00	0.00
	<i>Schoenus apogon</i>			1.50	0.35	2.00	0.00					2.00	0.00							5.00	0.00	6.00	0.00		
Forb	<i>Asperula conferta</i>			1.00	0.00	2.00	0.00							2.00	0.00										
	<i>Asteraceae</i> sp.1.																							2.00	0.00
	<i>Asteraceae</i> sp.2.									2.00	0.00														
	<i>Asteraceae</i> sp.3.	3.50	1.06	6.75	1.89	5.25	1.93	5.50	1.94	4.50	0.87	2.33	0.29	10.50	0.87	7.00	2.48	12.50	2.10	3.00	0.71	17.00	2.68	4.00	0.41
	<i>Cardamine paucijuga</i>	6.00	1.91	9.50	4.91	6.00	2.55	8.75	2.46	9.00	3.27	11.75	4.50	8.67	2.75	6.67	0.58	5.00	1.80	14.25	8.72			5.00	1.73
	<i>Centaurium erythraea</i>	8.00	4.95	5.50	1.76	34.25	4.21	2.00	0.00	13.75	1.80	8.00	3.00	3.00	0.71	15.00	2.27	56.00	17.76	1.00	0.00	4.25	1.25		
	<i>Chrysocephalum apiculatum</i>											1.00	0.00												

Growth form	Areas	HSS-Pre						HSS-UB						HSS-Post						LLL-UB					
		Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem
Forb (cont)	<i>Cirsium vulgare</i>	1.00	0.00			1.00	0.00	1.00	0.00																
	<i>Conyza bonariensis</i>	2.00	0.00	2.00	0.50	1.50	0.35	2.00	0.00			2.00	0.00												
	<i>Craspedia canens</i>									2.00	0.00					1.00	0.00					1.00	0.00	1.00	0.00
	<i>Crassula sieberiana</i>																	1.00	0.00						
	<i>Desmodium varians</i>	9.25	2.95	9.25	2.78	14.25	1.11	6.25	1.80	7.00	3.83	7.25	0.48	7.25	0.75	10.50	1.19	11.00	3.72	11.00	6.01	5.33	1.15	9.25	1.65
	<i>Epilobium billardierianum</i>	1.00	0.00	2.67	0.29	3.75	1.80	4.00	0.00	7.00	0.00	1.00	0.00	3.50	1.06	9.00	5.66	3.00	1.73	5.50	3.84	6.00	2.12	11.00	0.00
	<i>Eriocaulon scariosum</i>	1.00	0.00			1.00	0.00													1.00	0.00	5.50	2.10	1.00	0.00
	<i>Euchiton involucratus</i>	5.00	1.63	4.00	0.71	2.50	0.87	4.75	1.31	1.75	0.75	1.00	0.00	7.50	0.87	5.25	1.38	4.50	1.32	5.00	0.00	2.50	0.50	9.25	2.75
	<i>Euchiton sphaericus</i>	3.50	1.66	5.75	1.65	7.75	1.38	4.00	0.71	2.75	1.11	4.25	0.63	9.25	1.44	8.25	2.02	12.50	1.55	3.00	0.71	3.00	1.00	2.00	0.41
	<i>Euphorbia peplus</i>	1.00	0.00	5.25	2.02	4.25	0.95	8.25	2.06	1.00	0.00	1.00	0.00					1.50	0.35	1.00	0.00				
	<i>Galium propinquum</i>	1.00	0.00	2.00	0.00	1.00	0.00	1.00	0.00					2.00	0.00					2.50	0.35				
	<i>Geranium solanderi</i> var. <i>solanderi</i>			2.00	0.00	2.75	0.48			1.00	0.00	1.00	0.00	2.33	0.29	1.00	0.00	2.00	0.00	9.75	2.87	2.67		1.50	0.35
	<i>Glycine clandestina</i>															2.00	0.00			5.25	1.55	2.00	0.00	1.50	0.35
	<i>Glycine</i> sp.			2.00	0.00	2.00	0.00			4.00	0.00	2.00	0.00	2.00	0.00			4.00	0.71	2.50	0.35	2.00	0.00	3.00	0.50
	<i>Glycine tabacina</i>									1.00	0.00									3.00	0.00				
	<i>Gonocarpus micranthus</i>													2.00	0.00	2.00	0.00	1.00	0.00	8.50	5.27	19.50	2.53		
	<i>Gonocarpus tetragynus</i>																			3.00	0.00				
	<i>Haloragis heterophylla</i>	6.00	2.83	2.00	0.00	6.25	2.66	16.00	3.92	4.00	1.41	4.50	1.55	8.00	4.95	4.00	1.80	13.00	4.50			6.25	1.38	2.00	0.00
	<i>Herb (unknown)</i>	3.00	0.41	4.25	0.48	3.50	0.87	2.50	0.50	2.00	0.00	2.50	0.50	2.50	1.06	1.00	0.00	2.00	0.00	12.00	1.41	4.33	1.76	1.00	0.00
	<i>Hydrocotyle</i> sp.			2.00	0.00	3.00	0.00			1.00	0.00	2.00	0.00	2.00	0.00			2.00	0.00	4.67	0.58	6.75	1.25	2.00	0.00
	<i>Hydrocotyle peduncularis</i>											1.00	0.00	2.00	0.00			1.00	0.00	1.00	0.00	2.25	0.48	2.00	0.00

Growth form	Species	HSS-Pre						HSS-UB						HSS-Post						LLL-UB					
		Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem
Forb (cont)	<i>Hypericum gramineum</i>	5.00	1.47	6.50	0.29	5.75	2.06	6.75	2.53	5.75	0.85	2.25	0.63	8.75	2.39	13.00	4.26	5.25	1.75	16.00	2.83	7.00	0.82	11.50	3.66
	<i>Hypericum japonicum</i>																		27.00	4.24	47.50	3.80	4.00	0.00	
	<i>Hypochaeris radicata</i>												1.00	0.00							1.00	0.00			
	<i>Lactuca serriola</i>	2.00	0.00	2.00	0.00																				
	<i>Mimulus gracilis</i>														1.00	0.00	1.00	0.00	11.50	6.01	10.25	5.19			
	<i>Opercularia aspera</i>	3.00	0.00	3.00	0.00	1.00	0.00						3.00	0.00			4.00	0.00	2.00	0.00			2.00	0.00	
	<i>Opercularia hispida</i>					2.00	0.00	3.67	1.89				1.00	0.00	1.00	0.00	3.50	0.35	6.50	1.77	4.50	0.35	3.50	1.06	
	<i>Oxalis perennans</i>			3.00	0.50	2.33	0.76			1.00	0.00		2.00	0.00	3.00	0.00			2.00	0.00			4.00	0.00	
	<i>Picris hieracioides</i>	2.00	0.00	1.00	0.00	2.00	0.00			1.00	0.00	1.00	0.00	1.00	0.00			1.00	0.00				1.00	0.00	
	<i>Polygala japonica</i>	2.50	0.35			2.00	0.00	2.00	0.00			1.50	0.35						2.00	0.71					
	<i>Poranthera microphylla</i>	4.33	2.02	3.50	1.44	5.50	3.07	4.00	0.00	4.75	1.93	2.25	0.63	2.33	0.29	5.00	0.87	18.00	5.28	2.67	0.76	3.00	1.41		
	<i>Pratia purpurascens</i>	7.25	±2.93	11.25	2.25	4.50	0.29	2.75	0.63	9.50	0.96	5.50	2.25	2.00	0.71	2.50	0.35			9.00	2.12	2.00	0.00		
	<i>Ranunculus lappaceus</i>																		2.00	0.00	4.00	0.00			
	<i>Ranunculus sp.</i>											2.00	0.00								2.50	0.35			
	<i>Rubus parvifolius</i>					1.00	0.00																		
	<i>Senecio diaschides</i>			2.00	0.00	2.00	0.00					1.00	0.00										1.00	0.00	
	<i>Sigesbeckia orientalis</i>																		10.00	0.00					
	<i>Solanum sp.</i>			2.00															3.00	0.71					
	<i>Solenogyne bellioides</i>	2.00	0.00	2.67	0.29	2.00	0.50	2.00	0.00	1.00	0.00	4.00	1.41	1.67	0.58	2.00	0.00	1.33	0.29	2.00	0.71	1.67	0.29	1.50	0.35
	<i>Sonchus asper</i> subsp. <i>glaucescens</i>					1.00	0.00							1.00	0.00										
	<i>Taraxacum officinale</i>			2.00	0.00	5.00	0.00			1.00	0.00			2.00	0.00										
	<i>Trifolium glomeratum</i>	3.00	0.00					3.50	0.35			2.00	0.00										1.00	0.00	
	<i>Veronica calycina</i>					1.00	0.00																		

Growth form	Species	HSS-Pre						HSS-UB						HSS-Post						LLL-UB					
		Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem		
Forb (cont)	<i>Viola betonicifolia</i> subsp. <i>betonicifolia</i>	2.00	0.00	3.00	0.71	3.25	0.75							1.00	0.00	1.50	0.35	1.00	0.00			2.00	0.71	2.00	0.00
	<i>Viola hederacea</i>																			1.00	0.00				
	<i>Wahlenbergia communis</i>			2.00	0.00			1.00	0.00					1.00	0.00	4.00	1.41			4.00	0.87	2.00	0.71		
	<i>Wahlenbergia</i> sp.1.													1.00	0.00	3.00	1.41			3.25	1.11			2.00	0.00
	<i>Wahlenbergia</i> sp.2.	2.00	0.00	2.25	0.25	1.75	0.25	2.25	0.25	1.25	0.25	2.25	0.63	3.50	0.35	4.50	2.87	1.00	0.00	3.50	0.35	2.00	0.00	4.00	0.00
	<i>Wahlenbergia stricta</i>					2.00	0.00	1.00	0.00	2.00	0.00	5.00	0.00	3.00	0.00	3.00	0.00							1.00	0.00
	<i>Zornia dyctiocarpa</i> var. <i>dyctiocarpa</i>			2.00	0.00	2.00	0.00									2.00	0.00	2.67	0.58						
Woody	<i>Acacia irrorata</i>					1.00	0.00											1.50	0.35	6.25	3.59	1.33	0.29		
	<i>Acacia melanoxylon</i>																			1.00	0.00				
	<i>Eucalyptus nobilis</i>	1.00	0.00	1.00	0.00									1.00	0.00	2.00	0.50	1.00	0.00						
	<i>Eucalyptus dalrympleana</i> subsp. <i>heptantha</i>																	1.00	0.00						
	<i>Leptospermum polygalifolium</i> subsp. <i>transmontanum</i>							1.00	0.00													5.00	0.71		

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Appendix 5.2

Appendix 5.2. Average germinates for each species (and standard error) in the experimental areas by germination treatments. HSS-Pre = HSS Preburn sites, HSS-UB = HSS unburnt sites, HSS-Post = HSS Post burn sites and LLL-UB = LLL unburnt sites.

	Treatments	Control				Acid				Acid							
		Areas		HSS-UB		HSS-Post		LLL-UB		HSS-Pre		HSS-UB		HSS-Post		LLL-UB	
Growth form	Species	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem
Grass	<i>Dichelachne micrantha</i>																
	<i>Digitaria</i> sp.	4.00	2.00			2.00	0.00			4.33	0.67	6.67	0.88	3.00	0.00		
	<i>Echinopogon caespitosus</i>	5.00	1.15	3.67	0.67			1.00	0.00	5.00	0.58	4.00	0.58	5.00	0.00	4.33	1.86
	<i>Entolasia marginata</i>					1.00	0.00	3.50	1.50					1.00	0.00	6.00	0.00
	<i>Entolasia stricta</i>	3.33	1.20	2.00	0.00					4.33	1.20	2.00	0.00			7.00	0.00
	<i>Eragrostis</i> sp.	5.00	2.08	4.00	1.00	1.50	0.50			6.00	0.58	3.00	1.00	3.50	1.50	1.00	0.00
	<i>Imperata cylindrica</i> var. <i>major</i>	9.33	2.67	5.33	2.19					7.67	0.88	6.67	0.88				
	<i>Microlaena stipoides</i> var. <i>stipoides</i>	9.67	3.84	7.33	3.28	4.00	3.00			4.67	2.33	10.67	2.60			5.00	0.00
	<i>Oplismenus aemulus</i>	1.50	0.50			8.00	1.00	7.00	2.00	6.00	1.00	2.00	0.00	7.00	4.00	3.00	1.00
	<i>Panicum effusum</i>					1.50	0.50										
	<i>Poaceae</i> sp.																
	<i>Poa sieberiana</i> var. <i>sieberiana</i>	3.67	0.67	8.00	3.21	1.00	0.00	12.00	5.00	6.33	1.20	10.33	1.20			28.33	19.84
	<i>Sorghum</i> sp.	2.00	0.00			4.00		2.00	0.00	1.00	0.00						
	<i>Sporobolus creber</i>	6.33	1.20	5.33	3.84	28.00	3.00	4.00	1.53	7.33	4.91	10.50	3.50	27.67	8.51	11.00	7.21
	<i>Themeda australis</i>	3.67	1.76	9.33	1.67					2.00	0.00			8.00			
Sedge & rush	<i>Bulbostylis densa</i>	2.33	0.33	2.50	0.50	3.33	1.33	54.67	25.85	3.00	1.00	5.67	2.73	4.00	1.15	33.33	24.13
	<i>Carex breviculmis</i>	3.33	1.45	2.00	0.00	4.33	0.88	19.67	5.84	3.00	0.00	2.33	0.88	2.67	0.88	17.33	9.24
	<i>Carex inversa</i>	2.00	0.00	2.00	0.00	1.00	0.00									6.00	0.00
	<i>Cyperaceae</i> sp.					1.00	0.00	10.00	8.50	1.00	0.00			4.50	2.50	42.50	21.50
	<i>Cyperus sanguinolentus</i>	1.67	0.33	3.67	1.76	1.00	0.00	50.00	24.00	6.00	0.00	7.00	4.00	4.00	0.00	49.50	45.50
	<i>Dianella</i> sp.																
	<i>Eleocharis atricha</i>							3.50	0.50								

	Treatments	Control				Acid				Acid							
		Areas		HSS-UB		HSS-Post		LLL-UB		HSS-Pre		HSS-UB		HSS-Post		LLL-UB	
Growth form group	Species	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem
	<i>Eleocharis gracilis</i>							55.00	13.00							34.00	31.00
	<i>Fimbristylis dichotoma</i>					4.00	0.00	3.00	0.00			2.50	1.50	5.00	0.00	2.00	0.00
	<i>Juncus bufonius</i>					3.00	0.00	8.00	0.00	3.00	2.00					2.00	0.00
	<i>Juncus planifolius</i>															17.00	0.00
	<i>Juncus sp.</i>							15.00		11.00	3.06	17.67	15.67	24.33	7.42	79.33	57.07
	<i>Juncus subsecundus</i>	8.00	2.52	2.33	0.33	20.67	0.88	12.33	3.67							1.00	0.00
	<i>Luzula densiflora</i>	2.00	0.00	1.00	0.00			1.00	0.00					1.00	0.00	4.00	1.73
	<i>Schoenus apogon</i>	1.00	0.00					6.00	0.00	2.00	0.00	2.00	0.00			5.00	0.00
Forb	<i>Asperula conferta</i>	1.50	0.50											2.00	0.00		
	<i>Asteraceae sp.1.</i>															2.00	0.00
	<i>Asteraceae sp.2.</i>																
	<i>Asteraceae sp.3.</i>	5.00	2.00	2.00	0.00	14.00	2.08	7.33	4.84	4.33	0.33	4.67	0.88	6.67	2.96	14.00	10.00
	<i>Cardamine paucijuga</i>	5.33	2.96	11.33	2.85	8.33	0.33	2.50	0.50	9.00	4.58	8.67	0.33	5.00	1.00	11.50	2.50
	<i>Centaureum erythraea</i>	25.00	16.00	12.00	0.00	27.00	15.87	3.00	2.00	13.00	5.86	7.67	5.67	30.00	22.07	1.00	0.00
	<i>Chrysocephalum apiculatum</i>											1.00	0.00				
	<i>Cirsium vulgare</i>									1.00	0.00						
	<i>Conyza bonariensis</i>	2.50	0.50	2.00	0.00					1.67	0.33	2.00	0.00				
	<i>Craspedia canens</i>							1.00	0.00								
	<i>Crassula sieberiana</i>																
	<i>Desmodium varians</i>	7.67	3.53	5.33	2.33	8.33	0.33	7.33	2.03	10.33	4.81	10.67	3.18	14.00	4.16	15.33	6.96
	<i>Epilobium billardierianum</i>	2.00	0.58			1.00	0.00	2.50	0.50	5.00	4.00			1.00	0.00	1.00	0.00
	<i>Eriocaulon scariosum</i>							1.00	0.00							11.00	0.00
	<i>Euchiton involucratus</i>	4.33	2.33	3.67	1.45	5.33	0.67	3.50	0.50	4.67	0.33	2.33	1.33	6.67	0.33	4.00	1.00
	<i>Euchiton sphaericus</i>	7.00	1.53	4.67	0.67	9.33	2.60	4.00	2.00	4.00	1.53	3.67	0.88	12.00	1.53	2.33	0.33
	<i>Euphorbia peplus</i>	2.67	0.88	3.33	2.33	1.00	0.00			3.00	1.15	13.00	0.00				
	<i>Galium propinquum</i>	1.33	0.33	1.00	0.00					1.50	0.50			2.00	0.00		

Growth form group	Species	Control		HSS-UB		HSS-Post		LLL-UB		Acid		HSS-UB		HSS-Post		LLL-UB		
		Areas		HSS-Pre		HSS-UB		HSS-Post		LLL-UB		HSS-Pre		HSS-UB		HSS-Post		LLL-UB
		Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean
Forb (cont)	<i>Geranium solanderi</i> var. <i>solanderi</i>	2.00	0.00	1.00	0.00			2.67	1.20	2.00	0.00			2.00	0.00	9.00	0.00	
	<i>Glycine clandestina</i>							1.00								3.00	1.00	
	<i>Glycine</i> sp.	2.00	0.00	3.00	1.00	5.00	0.00	3.50	0.50							2.33	0.33	
	<i>Glycine tabacina</i>																	
	<i>Gonocarpus micranthus</i>							9.00	6.00					2.00	0.00	25.00	1.00	
	<i>Gonocarpus tetragynus</i>																	
	<i>Haloragis heterophylla</i>	2.00	0.00	4.00	2.00	12.67	6.17	5.00		3.33	1.33	8.67	4.67	8.00	0.00	8.00		
	<i>Herb (unknown)</i>	3.67	0.88	2.67	0.67	1.00	0.00	1.00	0.00	4.33	1.20	2.67	0.67	2.50	1.50	11.00	3.00	
	<i>Hydrocotyle</i> sp.	2.50	0.50	1.00	0.00	2.00	0.00	3.50	0.50			2.00	0.00	2.00	0.00	7.00	1.00	
	<i>Hydrocotyle peduncularis</i>					2.00	0.00	1.00	0.00			1.00	0.00	1.00	0.00	1.50	0.50	
	<i>Hypericum gramineum</i>	4.67	1.45	6.67	2.19	8.00	6.51	6.67	3.18	5.33	2.33	2.67	1.67	11.33	1.45	12.67	3.84	
	<i>Hypericum japonicum</i>							42.50	9.50							25.50	21.50	
	<i>Hypochaeris radicata</i>													1.00	0.00			
	<i>Lactuca serriola</i>	2.00	0.00							2.00	0.00							
	<i>Mimulus gracilis</i>					1.00	0.00	4.50	1.50							9.00	0.00	
	<i>Opercularia aspera</i>							2.00	0.00	1.00	0.00			3.00	0.00			
	<i>Opercularia hispida</i>			2.00	0.00	2.00	1.00	4.50	0.50			1.00	0.00			9.00	0.00	
	<i>Oxalis perennans</i>	2.00	1.00					4.00	0.00	4.00	0.00							
	<i>Picris hieracioides</i>	2.00	0.00	1.00	0.00			1.00	0.00	1.00	0.00			1.00	0.00	1.00	0.00	
	<i>Polygala japonica</i>	2.00	0.00							3.00	0.00	2.00	0.00			1.00	0.00	
	<i>Poranthera microphylla</i>	3.00	1.53	3.00	1.00	12.33	8.41	1.00	0.00	8.00	3.79	4.00	3.00	17.00	0.00	4.00	0.00	
	<i>Pratia purpurascens</i>	7.67	3.67	5.33	1.86	3.00	0.00			10.67	3.18	8.67	2.85	2.50	0.50			
	<i>Ranunculus lappaceus</i>							4.00	0.00									
	<i>Ranunculus</i> sp.							3.00	0.00			2.00	0.00			2.00	0.00	
	<i>Rubus parvifolius</i>																	
	<i>Senecio diaschides</i>	2.00	0.00	1.00	0.00													
	<i>Sigesbeckia orientalis</i>							1.00	0.00									
	<i>Solanum</i> sp.	2.00	0.00					4.00	0.00									
	<i>Solenogyne bellioides</i>	3.00	0.00	4.00	2.00	1.00	0.00	2.50	0.50	2.00	0.00			1.67	0.33	2.00	0.00	

	Treatments	Control				Acid				L3							
		Areas		HSS-UB		HSS-Post		LLL-UB		HSS-Pre		HSS-UB		HSS-Post		LLL-UB	
Growth form group	Species	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem
Forb (cont)	<i>Sonchus asper</i> subsp. <i>glaucescens</i>	1.00	0.00			1.00	0.00										
	<i>Taraxacum officinale</i>									3.50	1.50						
	<i>Trifolium glomeratum</i>			3.00	0.00							4.00	0.00			1.00	0.00
	<i>Veronica calycina</i>	1.00	0.00														
	<i>Viola betonicifolia</i> subsp. <i>betonicifolia</i>	2.00	0.00			2.00	0.00	1.50	0.50	2.67	0.67			1.00	0.00		
	<i>Viola hederacea</i>																
	<i>Wahlenbergia communis</i>			1.00	0.00					2.00	0.00			6.00	0.00	2.00	1.00
	<i>Wahlenbergia</i> sp.1.					3.00	2.00	1.50	0.50					1.00	0.00	4.00	0.00
	<i>Wahlenbergia</i> sp.2.	1.67	0.33	1.33	0.33	1.00	0.00	4.00	0.00	2.33	0.33	1.67	0.33	8.50	4.50	3.00	1.00
	<i>Wahlenbergia stricta</i>			3.50	1.50					2.00	0.00			3.00	0.00	1.00	0.00
	<i>Zornia dyctiocarpa</i> var. <i>dyctiocarpa</i>	2.00	0.00										3.00	1.00			
Woodies	<i>Acacia irrorata</i>					1.00	0.00	3.00	0.00							2.00	0.00
	<i>Acacia melanoxylon</i>																
	<i>Eucalyptus nobilis</i>	1.00	0.00			1.67	0.67			1.00	0.00						
	<i>Eucalyptus dalrympleana</i> subsp. <i>heptantha</i>													1.00	0.00		
	<i>Leptospermum polygalifolium</i> subsp. <i>transmontanum</i>							6.00	0.00								

Heat and Smoke	Treatment Area	Heat				Smoke											
		HSS-Pre	sem	HSS-UB	sem	HSS-Post	sem	LLL-UB	sem	HSS-Pre	sem	HSS-UB	sem	HSS-Post	sem	LLL-UB	sem
Growth form group	Species	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem
Grass	<i>Dichelachne micrantha</i>					2.00	0.00										
	<i>Digitaria</i> sp.	5.00	0.58	6.67	1.33					5.00	0.58	8.00	0.00				
	<i>Echinopogon caespitosus</i>	4.67	0.33	3.67	0.33					8.33	3.33	4.00	0.58			2.00	0.00
	<i>Entolasia marginata</i>					1.00	0.00	1.00	0.00								
	<i>Entolasia stricta</i>	5.67	0.33	2.00	0.00			2.00	0.00	5.33	0.88	1.33	0.33				
	<i>Eragrostis</i> sp.	7.00	1.15			2.00	0.00	5.50	1.50	6.67	0.67	3.00	0.00	2.00	0.00		
	<i>Imperata cylindrica</i> var. <i>major</i>	6.67	1.45	7.33	0.33					3.67	1.45	3.00	1.15			4.00	0.00
	<i>Microlaena stipoides</i> var. <i>stipoides</i>	6.33	2.67	10.33	0.67			1.00	0.00	8.67	0.33	6.67	0.88			4.00	0.00
	<i>Oplismenus aemulus</i>	5.00	0.00	1.00	0.00	1.33	0.33	2.50	0.50	1.00	0.00			8.00	0.00	9.50	6.50
	<i>Panicum effusum</i>																
	<i>Poaceae</i> sp.																
	<i>Poa sieberiana</i> var. <i>sieberiana</i>	5.33	1.45	7.67	3.18	2.00	0.00	47.67	25.27	4.67	1.20	6.67	1.45	3.67	1.20	25.00	14.74
	<i>Sorghum</i> sp.	3.00	1.00					8.00	4.00							2.00	0.00
	<i>Sporobolus creber</i>	7.67	2.73	5.50	0.50	16.67	4.48	5.50	3.50	7.67	2.73	4.00	1.53	17.00	7.09	3.67	0.88
	<i>Themeda australis</i>	3.00	0.00	4.00	1.53					2.67	0.33	2.67	0.33				
Sedge and rush	<i>Bulbostylis densa</i>			4.00	0.00	3.00	0.00	8.33	4.33	2.50	0.50	3.00	1.00	4.67	1.76	34.00	24.58
	<i>Carex breviculmis</i>	3.33	0.67	5.00	1.53	4.67	0.33	30.00	11.00	2.50	0.50	3.00	1.00	7.33	0.88	27.00	5.00
	<i>Carex inversa</i>	4.00	0.00	2.00	0.00	2.00		3.00	0.00							8.00	0.00
	<i>Cyperaceae</i> sp.					2.33	0.88	45.67	22.45	6.00	0.00					51.50	16.50
	<i>Cyperus sanguinolentus</i>	16.00	12.00	2.33	0.33	2.33	0.88	37.50	35.50	3.00	1.00	2.00	0.00	4.00	0.00	30.00	5.00
	<i>Dianella</i> sp.																
	<i>Eleocharis atricha</i>																
	<i>Eleocharis gracilis</i>							26.00	23.00					6.00	0.00	24.00	0.00
	<i>Fimbristylis dichotoma</i>			4.00	3.00	3.50	1.50					2.00	0.00			11.00	8.00
	<i>Juncus bufonius</i>					4.00	2.00	3.00	0.00	4.00	0.00					2.00	0.00

	Treatment Area	Heat				Smoke											
		HSS-Pre	HSS-UB	HSS-Post	LLL-UB	HSS-Pre	HSS-UB	HSS-Post	LLL-UB								
Growth form	Species	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem
Sedge and rush (cont)	<i>Juncus planifolius</i>																
	<i>Juncus sp.</i>			1.00	0.00			6.50	1.50							1.00	0.00
	<i>Juncus subsecundus</i>	14.00	1.53	16.33	10.35	15.00	4.73	75.00	37.75	14.67	1.33	3.00	0.00	23.33	6.33	65.67	49.67
	<i>Luzula densiflora</i>	2.00	0.00			2.00	0.00	1.00		2.00	0.00	3.00	0.00	2.00	0.00	3.00	2.00
Forbs	<i>Schoenus apogon</i>																
	<i>Asperula conferta</i>																
	<i>Asteraceae sp.1.</i>																
	<i>Asteraceae sp.2.</i>			2.00	0.00												
	<i>Asteraceae sp.3.</i>	3.00	0.58	4.50	0.50	9.00	1.00	10.00	6.00	11.50	0.50	6.00	2.65	10.33	2.19	6.67	2.19
	<i>Cardamine paucijuga</i>	1.67	0.67	1.67	0.67	10.00	4.00	21.00	18.00	12.67	3.18	17.67	1.76	1.00	0.00	2.00	0.00
	<i>Centaurium erythraea</i>	13.33	11.35	9.50	1.50	6.67	2.91	4.00	0.00	23.00	15.00	9.67	3.84	35.00	26.31	7.00	0.00
	<i>Chrysocephalum apiculatum</i>																
	<i>Cirsium vulgare</i>			1.00	0.00												
	<i>Conyza bonariensis</i>	2.00	0.00	2.00	0.00					1.50	0.50	2.00	0.00				
	<i>Craspedia canens</i>			2.00	0.00	1.00	0.00									1.00	0.00
	<i>Crassula sieberiana</i>					1.00	0.00										
	<i>Desmodium varians</i>	12.00	0.58	6.00	2.52	8.00	2.52	6.00	1.53	13.67	0.88	5.33	2.19	8.00	0.58	5.50	3.50
	<i>Epilobium billardierianum</i>	1.67	0.67	4.00	1.73	9.67	3.71	12.33	2.40	2.50	0.50			1.50	0.50	2.00	0.00
	<i>Eriocaulon scariosum</i>	1.00	0.00					6.00	0.00	1.00	0.00					2.50	1.50
	<i>Euchiton involucratus</i>	2.67	1.20	3.00	2.00	6.00	2.52	7.33	3.38	3.67	1.33	1.00	0.00	5.00	2.08	6.67	3.84
<i>Euchiton sphaericus</i>	5.00	2.08	2.33	0.33	9.00	3.00	2.33	0.88	6.67	2.96	4.00	1.53	9.67	1.67	2.00	0.00	
<i>Euphorbia peplus</i>	2.50	0.50	3.00	0.00			1.00	0.00	9.00	2.00	9.00	0.00	2.00	0.00			
<i>Galium propinquum</i>							2.00	0.00							3.00		
<i>Geranium solanderi</i> var. <i>solanderi</i>	4.00	0.00			2.00	0.00	7.33	5.36	3.00	0.00	1.00	0.00	2.00	0.58	5.50	1.50	
<i>Glycine clandestina</i>					2.00	0.00	8.00	0.00							3.33	1.86	
<i>Glycine sp.</i>	2.00	0.00			2.50	0.50									2.00	0.00	

Growth form (cont)	Species	Treatment								Smoke									
		Area		Heat		HSS-UB		HSS-Post		LLL-UB		HSS-Pre		HSS-UB		HSS-Post		LLL-UB	
		Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem
	<i>Glycine tabacina</i>			1.00	0.00												3.00	0.00	
	<i>Gonocarpus micranthus</i>	0.00				1.50	0.50	11.00	10.00								11.00	5.00	
	<i>Gonocarpus tetragynus</i>							3.00	0.00										
	<i>Haloragis heterophylla</i>	8.00	3.46	12.33	7.13	2.50	1.50	5.50	3.50	5.67	3.67	7.67	2.60	8.00	5.00	3.00	0.00		
	<i>Herb (unknown)</i>	3.00	0.00	2.00	0.00	2.00	0.00	2.50	1.50	3.33	0.33	2.00	0.00						
	<i>Hydrocotyle sp.</i>							6.00	2.00							5.00	3.00		
	<i>Hydrocotyle peduncularis</i>							2.00	1.00							2.50	0.50		
	<i>Hypericum gramineum</i>	7.33	1.86	5.67	2.73	5.67	2.40	16.33	4.33	5.67	0.88	4.67	1.76	11.00	3.61	10.33	1.67		
	<i>Hypericum japonicum</i>							37.50	16.50							37.00	0.00		
	<i>Hypochaeris radicata</i>							1.00	0.00										
	<i>Lactuca serriola</i>																		
	<i>Mimulus gracilis</i>					1.00	0.00	25.00	0.00							1.50	0.50		
	<i>Opercularia aspera</i>	3.00	0.00							3.00	0.00			4.00	0.00				
	<i>Opercularia hispida</i>	2.00	0.00			1.00	0.00	3.67	0.88			8.00	0.00	2.50	1.50				
	<i>Oxalis perennans</i>									2.00	0.00	1.00	0.00	2.50	0.50	2.00	0.00		
	<i>Picris hieracioides</i>	1.00	0.00	1.00	0.00	1.00	0.00			2.00	0.00								
	<i>Polygala japonica</i>	2.00	0.00	1.00	0.00							2.00	0.00			3.00	0.00		
	<i>Poranthera microphylla</i>	3.50	2.50	1.50	0.50	10.33	5.90			3.00	1.53	5.00	2.08	3.00	0.58	4.00	1.00		
	<i>Pratia purpurascens</i>	5.00	0.00	4.00	1.53	1.00	0.00	4.00	2.00	7.33	3.33	5.67	2.91			12.00	0.00		
	<i>Ranunculus lappaceus</i>															2.00	0.00		
	<i>Ranunculus sp.</i>																		
	<i>Rubus parvifolius</i>	1.00	0.00																
	<i>Senecio diaschides</i>							1.00	0.00	2.00	0.00								
	<i>Sigesbeckia orientalis</i>																		
	<i>Solanum sp.</i>															2.00	0.00		
	<i>Solenogyne bellioides</i>	2.50	0.50	1.50	0.50	1.33	0.33	1.33	0.33	1.50	0.50	1.50	0.50	3.00	0.00	1.00	0.00		
	<i>Sonchus asper</i> subsp. <i>glaucescens</i>																		

	Treatment Area	Heat				Smoke				LLL-UB							
		HSS-Pre	sem	HSS-UB	sem	HSS-Post	sem	LLL-UB	sem	HSS-Pre	sem	HSS-UB	sem	HSS-Post	sem	LLL-UB	sem
Growth form group (cont)	Species	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem	Mean	sem
	<i>Taraxacum officinale</i>			1.00	0.00									2.00	0.00		
	<i>Trifolium glomeratum</i>	3.00	0.00									2.00	0.00				
	<i>Veronica calycina</i>																
	<i>Viola betonicifolia</i> subsp. <i>betonicifolia</i>	3.00	1.00							5.00	0.00			1.00	0.00	3.00	0.00
	<i>Viola hederacea</i>							1.00	0.00								
	<i>Wahlenbergia communis</i>					1.00		4.50	1.50					2.00	0.00	3.00	0.00
	<i>Wahlenbergia</i> sp.1.							2.00	0.00					1.00	0.00	6.00	0.00
	<i>Wahlenbergia</i> sp.2.	2.00	0.00	2.00	0.00	2.33	0.67	3.00	0.00	2.00	0.00	2.67	0.88	1.00	0.00		
	<i>Wahlenbergia stricta</i>											1.00	0.00				
	<i>Zornia dyctiocarpa</i> var. <i>dyctiocarpa</i>					2.00	0.00							2.00	0.00		
Woodies	<i>Acacia irrorata</i>	1.00	0.00			2.00	0.00	9.00	8.00							2.00	1.00
	<i>Acacia melanoxydon</i>							1.00	0.00								
	<i>Eucalyptus nobilis</i>					2.00	0.00							1.00	0.00		
	<i>Eucalyptus dalrympleana</i> subsp. <i>heptantha</i>																
	<i>Leptospermum polygalifolium</i> subsp. <i>transmontanum</i>			1.00	0.00											4.00	0.00

Appendix 6.1

Appendix 6.1. Total number of resprouting plants by species and treatment.				
Species	Sample size	Control	Burn	Clip
<i>Persoonia oleoides</i>	60	20	17	18
<i>Acacia irrorata</i>	60	20	1	10
<i>Goodia lotifolia</i>	60	20	16	10
<i>Banksia integrifolia</i>	60	20	19	19
<i>Rapanea variabilis</i>	30	10	9	8
<i>Alyxia ruscifolia</i>	10	5	4	Not tested
<i>Acacia diphylla</i>	10	5	0	Not tested

Appendix 7.1

Appendix 7.1. Guy Fawkes River National Park Fire Management Guidelines developed in 1996 from expert knowledge from Reid et al. (1996). (Referred to as the 'original' guidelines).	
Grassy woodlands and open forests on slopes and ridges	<p>Areas lacking a shrub understorey require fire exclusion for 5-15 years with monitoring to assess response.</p> <p>Grassy woodlands:</p> <ul style="list-style-type: none"> • no more than two fires at intervals of less than 6-8 years should be permitted (to conserve fire-sensitive shrubs), • the fire interval should not exceed 30 years (to conserve herbs and shrubs with short-lived individuals and seed banks), • no more than two consecutive low intensity fires should be permitted (to conserve species with heat-stimulated seed banks),
Tablelands Open Forest	<ul style="list-style-type: none"> • areas with a woody understorey are burnt by no more than two consecutive fires at intervals of less than 10 years (to conserve slow growing, woody understorey dominants such as <i>Allocasuarina</i> spp), • areas without understorey are burnt by fire of at least moderate intensity within 25 years of the last fire (to conserve <i>Acacia filicifolia</i> and other hard-seeded species), • areas are not burnt by three or more consecutive low intensity fires (to conserve hard-seeded species), • intervals between fires in areas with a wattle understorey do not exceed 30 years (to conserve herbs and shrubs with short-lived individuals and seed banks), • areas are not burnt by three or more consecutive fires at intervals of 15-30 years (to conserve sub-dominant herbs and shrubs).
Dry open forest with heath understorey on Chaelundi Plutonics	<ul style="list-style-type: none"> • areas with a woody understorey are burnt by no more than two consecutive fires at intervals of less than 10 years (to conserve slow growing, fire sensitive shrubs), • areas are burnt by no more than two consecutive fires at 15-30 year intervals (to conserve sub-dominant herbs and shrubs), • areas are burnt by no more than two consecutive low intensity fires (to conserve hard-seeded species), • the interval between fires does not exceed 30 years (to conserve herbs and shrubs with short-lived individuals and seed banks).
Grassy riverine flats	Fire exclusion for 5-15 years with monitoring and assessment.
Dry Rainforest	Fire should be excluded from dry rainforest and dry rainforest margins.
Subtropical Rainforest	Fire should be excluded from the riparian subtropical rainforest on the Boyd River.
Moist hardwood forest with subtropical-warm rainforest understorey	Fire should be excluded from the moist hardwood forest with subtropical-warm rainforest understorey to preserve the rainforest vegetation.
River Oak Gallery Forest	Fire should be excluded from the riparian zone, specifically the gallery forests of River Oak.

Appendix 7.2

Appendix 7.2 Fire management guidelines for the vegetation communities identified in the GFRNP vegetation map.	
Vegetation community name (and number)	Recommended guideline
DRF (1)	Fire exclusion
STRF (2)	Fire exclusion
WTRF (3)	Fire exclusion
Tall WSF (4)	Fire exclusion in near future
Tall WSF (5)	Fire exclusion in near future
Tall WSF (6)	Fire exclusion in near future
Tall WSF/DSF (21)	A decline in biodiversity is possible if: <ul style="list-style-type: none"> • there are more than two fires at intervals less than 10 years (to conserve the slowest maturing species) • fire intervals should not exceed 30 years (to conserve short-lived species and seed banks), • no more than two consecutive low intensity fires (to conserve hard-seeded species).
Tall DSF (7)	A decline in biodiversity is possible if: <ul style="list-style-type: none"> • there are more than two fires at intervals less than 10 years (to conserve the slowest maturing species) • fire intervals should not exceed 20 years (to conserve short-lived species and seed banks), • no more than two consecutive low intensity fires (to conserve hard-seeded species).
Tall DSF (8)	A decline in biodiversity is possible if: <ul style="list-style-type: none"> • there are more than two fires at intervals less than 10 years (to conserve the slowest maturing species) • fire intervals should not exceed 20 years (to conserve short-lived species and seed banks).
Tall DSF (9)	A decline in biodiversity is possible if: <ul style="list-style-type: none"> • there are more than two fires at intervals less than 4 years (to conserve the slowest maturing species) • fire intervals should not exceed 30 years (to conserve short-lived species and seed banks), • no more than two consecutive low intensity fires (to conserve hard-seeded species).
Tall DSF(22)	A decline in biodiversity is possible if: <ul style="list-style-type: none"> • there are more than two fires at intervals less than 4 years (to conserve the slowest maturing species) • fire intervals should not exceed 80 years (to conserve short-lived species and seed banks).
Medium/Tall DSF (18)	A decline in biodiversity is possible if: <ul style="list-style-type: none"> • there are more than two fires at intervals less than 10 years (to conserve the slowest maturing species) • fire intervals should not exceed 80 years (to conserve short-lived species and seed banks).
Medium DSF (10)	A decline in biodiversity is possible if: <ul style="list-style-type: none"> • there are more than two fires at intervals less than 10 years (to conserve the slowest maturing species) • fire intervals should not exceed 30 years (to conserve short-lived species and seed banks).
Medium DSF (11)	A decline in biodiversity is possible if:

	<ul style="list-style-type: none"> • there are more than two fires at intervals less than 10 years (to conserve the slowest maturing species) • fire intervals should not exceed 30 years (to conserve short-lived species and seed banks), • no more than two consecutive low intensity fires (to conserve hard-seeded species).
Medium DSF (12)	<p>A decline in biodiversity is possible if:</p> <ul style="list-style-type: none"> • there are more than two fires at intervals less than 10 years (to conserve the slowest maturing species) • fire intervals should not exceed 30 years (to conserve short-lived species and seed banks), • no more than two consecutive low intensity fires (to conserve hard-seeded species).
Medium DSF (13)	<p>A decline in biodiversity is possible if:</p> <ul style="list-style-type: none"> • there are more than two fires at intervals less than 10 years (to conserve the slowest maturing species) • fire intervals should not exceed 80 years (to conserve short-lived species and seed banks).
Medium DSF (14)	<p>A decline in biodiversity is possible if:</p> <ul style="list-style-type: none"> • there are more than two fires at intervals less than 10 years (to conserve the slowest maturing species) • fire intervals should not exceed 30 years (to conserve short-lived species and seed banks).
Medium DSF (15)	<p>A decline in biodiversity is possible if:</p> <ul style="list-style-type: none"> • there are more than two fires at intervals less than 10 years (to conserve the slowest maturing species) • fire intervals should not exceed 30 years (to conserve short-lived species and seed banks), • no more than two consecutive low intensity fires (to conserve hard-seeded species).
Medium DSF (19)	<p>A decline in biodiversity is possible if:</p> <ul style="list-style-type: none"> • there are more than two fires at intervals less than 10 years (to conserve the slowest maturing species) • fire intervals should not exceed 30 years (to conserve short-lived species and seed banks), • no more than two consecutive low intensity fires (to conserve hard-seeded species).
Medium DSF (20)	<p>A decline in biodiversity is possible if:</p> <ul style="list-style-type: none"> • there are more than two fires at intervals less than 10 years (to conserve the slowest maturing species) • fire intervals should not exceed 50 years (to conserve short-lived species and seed banks), • no more than two consecutive low intensity fires (to conserve hard-seeded species).
Medium DSF (23)	<p>A decline in biodiversity is possible if:</p> <ul style="list-style-type: none"> • there are more than two fires at intervals less than 10 years (to conserve the slowest maturing species) • fire intervals should not exceed 80 years (to conserve short-lived species and seed banks).
Medium moist/DSF (16)	<p>A decline in biodiversity is possible if:</p> <ul style="list-style-type: none"> • there are more than two fires at intervals less than 10 years (to conserve the slowest maturing species) • fire intervals should not exceed 20 years (to conserve short-lived species and seed banks), • no more than two consecutive low intensity fires (to conserve hard-seeded species).

Medium WSF/DSF (25)	<p>A decline in biodiversity is possible if:</p> <ul style="list-style-type: none"> • there are more than two fires at intervals less than 10 years (to conserve the slowest maturing species) • fire intervals should not exceed 30 years (to conserve short-lived species and seed banks), • no more than two consecutive low intensity fires (to conserve hard-seeded species).
Low DSF (17)	<p>A decline in biodiversity is possible if:</p> <ul style="list-style-type: none"> • there are more than two fires at intervals less than 10 years (to conserve the slowest maturing species) • fire intervals should not exceed 30 years (to conserve short-lived species and seed banks), • no more than two consecutive low intensity fires (to conserve hard-seeded species).
DSF (24)	<p>A decline in biodiversity is possible if:</p> <ul style="list-style-type: none"> • there are more than two fires at intervals less than 10 years (to conserve the slowest maturing species) • fire intervals should not exceed 20 years (to conserve short-lived species and seed banks), • no more than two consecutive low intensity fires (to conserve hard-seeded species).
DSF(28)	<p>A decline in biodiversity is possible if:</p> <ul style="list-style-type: none"> • there are more than two fires at intervals less than 10 years (to conserve the slowest maturing species) • fire intervals should not exceed 20 years (to conserve short-lived species and seed banks), • no more than two consecutive low intensity fires (to conserve hard-seeded species).
Redgum super group (37)	<p>A decline in biodiversity is possible if:</p> <ul style="list-style-type: none"> • there are more than two fires at intervals less than 10 years (to conserve the slowest maturing species) • fire intervals should not exceed 30 years (to conserve short-lived species and seed banks), • no more than two consecutive low intensity fires (to conserve hard-seeded species).