

Supplementary Materials

Appendix S1. Fire growth simulation statistics. *n* – total mode number. SE – standard error of mean.

Fire ignition categories Site	Vegetation type	Season	Range	Fire Area (ha) statistics			Proportion of fires < 0.01ha	SE	
				Mean	Median	Mode/s (n)			
Eastern end	Pōhutukawa-podocarp/ broadleaf forest	Spring	0–111.8	19.2	0.1	0.0 (8)	0.35	7.29	
		Summer	0–123.2	38.3	5.7	0.0 (4)	0.12	8.40	
		Autumn	0–100.9	12.7	0.0	0.0 (12)	0.55	5.42	
		Winter	0–93.5	7.2	0.0	0.0 (12)	0.92	7.19	
	Grassland	Spring	0–119.4	39.0	4.6	0.0 (5)	0.07	8.63	
		Summer	0–125.6	73.2	99.4	0.0 (3)	0.03	5.57	
		Autumn	0–117.1	52.9	56.4	0.0 (2), 98.9 (2)	0.05	7.63	
		Winter	0–93.0	29.1	2.7	0.0 (3)	0.15	8.43	
	Kānuka-mānuka/ kānuka shrubland	Spring	0–111.4	29.6	1.3	0.0 (3)	0.22	15.74	
		Summer	0*–126.8	91.2	107.0		0.00	13.36	
		Autumn	0–112.9	53.6	55.5		0.14	12.42	
		Winter	0–87.3	23.5	2.0		0.14	14.33	
Western end	Pōhutukawa-podocarp/ broadleaf forest	Spring	0–114.6	37.7	0.1	0.0 (13)	0.48	8.68	
		Summer	0–128.5	72.8	98.8	0.0 (3)	0.11	7.17	
		Autumn	0–112.1	27.3	0.0	0.0 (14)	0.47	6.00	
		Winter	0–82.6	5.6	0.0	0.0 (20)	0.89	3.87	
	Kānuka-mānuka/ kānuka shrubland	Spring	0–116.5	75.7	87.8	0.0 (2)	0.05	5.65	
		Summer	3.1–129.9	101.3	103.9		0.00	3.65	
		Autumn	0–117.2	76.0	85.4		0.03	4.73	
		Winter	0–118.6	56.8	64.1	0.0 (3)	0.11	6.24	
	Eastern end total			0–126.8	45.7	21.1	0.0 (49)	0.17	2.85
	Western end total			0–129.9	60.5	80.3	0.0 (71)	0.24	2.71
Pōhutukawa-podocarp/broadleaf forest total			0–128.5	33.3	0.0	0.0 (101)	0.42	2.97	
Grassland total			0–125.6	56.7	65.0	0.0 (9)	0.06	3.85	
Kānuka-mānuka/kānuka shrubland total			0–129.9	75.0	88.3	0.0 (10)	0.05	2.82	
Spring total			0–119.4	45.6	27.6	0.0 (28)	0.22	4.05	
Summer total			0–129.9	75.0	99.4	0.0 (11)	0.05	3.27	
Autumn total			0–117.2	45.5	36.9	0.0 (38)	0.24	3.51	
Winter total			0–118.6	26.9	0.6	0.0 (43)	0.46	3.75	

* 0.02ha