

Supplementary Information

Landscape pattern changes over 25 years across a hotspot zone in southern Brazil

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Southern Forests 2019. <https://doi.org/10.2989/20702620.2018.1542563>

Table S1: Sampling data matrix of the landscape metrics ($n = 140$) for Wilcoxon Paired Test

Title #	1991			1993			1999			2004			2009			2013			2016																							
	CA	NP	ED	AREA_MIN	SHAPE_MIN	ENN_MIN	CA	NP	ED	AREA_MIN	SHAPE_MIN	ENN_MIN	CA	NP	ED	AREA_MIN	SHAPE_MIN	ENN_MIN	CA	NP	ED	AREA_MIN	SHAPE_MIN	ENN_MIN	CA	NP	ED	AREA_MIN	SHAPE_MIN	ENN_MIN												
541	0.1	1	0.9	0.1	1.0	0.0	0.36	2	3.7	0.2	1.0	67.1	3.2	3	19.9	1.1	1.5	312.8	14.2	2	42.9	7.1	2.2	67.1	14.6	2	42.5	7.3	1.8	169.7	16.2	2	42.2	8.1	1.9	169.7	16.0	2	41.9	8.0	1.9	169.7
649	2.1	5	11.9	0.4	1.3	180.0	3.06	4	18.7	0.8	1.4	145.3	6.5	5	28.5	1.3	1.3	107.6	8.1	11	37.6	0.7	1.1	87.4	16.0	5	52.6	3.2	1.5	75.4	14.2	6	58.5	2.4	1.5	62.4	14.6	7	57.9	2.1	1.4	84.9
651	0.9	3	7.7	0.3	1.1	468.2	1.53	6	11.9	0.3	1.0	175.2	2.6	8	21.1	0.3	1.2	203.8	3.7	11	28.8	0.3	1.1	171.2	7.2	10	45.9	0.7	1.3	80.0	10.8	15	61.8	0.7	1.3	101.5	11.2	12	67.6	0.9	1.4	101.5
702	0.6	3	4.9	0.2	1.1	488.1	1.17	6	8.6	0.2	1.0	158.2	1.6	5	9.2	0.3	1.1	219.6	5.5	5	22.3	1.1	1.3	144.0	6.5	7	26.9	0.9	1.3	232.2	8.7	6	27.5	1.5	1.3	264.3	7.2	6	31.2	1.2	1.5	144.3
1032	0.3	1	3.1	0.3	1.3	0.0	1.08	2	7.0	0.5	1.2	480.0	0.4	2	4.3	0.2	1.1	630.0	1.7	6	13.2	0.3	1.0	114.1	7.4	8	45.0	0.9	1.4	85.2	17.5	6	48.7	2.9	1.5	68.3	18.5	7	48.1	2.6	1.4	63.0
1187	6.6	11	37.0	0.6	1.2	119.1	19.35	13	74.7	1.5	1.3	81.0	13.1	17	70.4	0.8	1.2	84.5	15.0	6	68.6	2.5	1.6	127.8	17.7	4	60.6	4.4	1.8	63.5	27.3	7	68.6	3.9	1.4	112.1	18.5	5	52.0	3.7	1.5	89.7
1198	1.4	3	13.5	0.5	1.4	206.2	3.06	6	26.9	0.5	1.3	82.8	2.3	3	20.8	0.8	1.7	122.8	2.3	5	19.9	0.5	1.4	175.9	3.3	5	25.1	0.7	1.4	118.7	6.7	4	36.1	1.7	1.6	77.4	5.6	5	34.9	1.1	1.6	67.1
1247	0.3	2	3.1	0.1	1.0	210.0	0.99	3	7.7	0.3	1.1	123.2	2.1	4	16.2	0.5	1.3	208.3	1.9	6	14.4	0.3	1.1	148.1	3.1	8	21.4	0.4	1.1	183.8	6.5	11	48.1	0.6	1.4	91.8	6.2	10	48.1	0.6	1.2	87.9
1304	1.1	2	8.0	0.5	1.4	632.9	2.43	4	13.2	0.6	1.1	328.0	2.5	5	14.1	0.5	1.1	184.4	3.3	7	20.5	0.5	1.2	134.6	5.2	7	25.4	0.7	1.2	96.2	7.6	6	32.8	1.3	1.3	110.0	5.1	7	24.8	0.7	1.2	124.6
1365	0.1	1	0.6	0.1	1.0	0.0	0.54	4	6.1	0.1	1.1	477.5	2.3	11	18.7	0.2	1.0	159.5	5.2	12	33.1	0.4	1.1	97.4	14.0	17	72.5	0.8	1.2	98.6	18.5	20	78.1	0.9	1.1	85.9	15.3	14	70.1	1.1	1.3	118.7
1469	6.4	2	33.7	3.2	2.2	180.0	10.08	2	36.7	5.0	2.0	94.9	11.2	2	36.4	5.6	1.9	60.0	12.7	1	34.0	12.7	2.6	0.0	14.4	1	36.4	14.4	2.6	0.0	17.6	2	38.3	8.8	1.7	646.2	16.8	1	33.7	16.8	2.4	0.0
1520	9.7	1	18.1	9.7	1.6	0.0	11.07	1	15.0	11.1	1.4	0.0	11.3	1	14.4	11.3	1.3	0.0	11.8	3	16.2	3.9	1.1	271.7	14.8	5	32.4	3.0	1.4	122.8	18.3	6	41.0	3.0	1.3	89.8	19.0	5	41.0	3.8	1.4	80.8
1524	0.2	1	1.2	0.2	1.0	0.0	0.27	1	2.4	0.3	1.3	0.0	0.2	1	1.2	0.2	1.0	0.0	1.0	2	8.0	0.5	1.4	134.2	1.3	4	8.3	0.3	1.0	265.6	3.4	6	23.0	0.6	1.3	72.4	2.9	8	20.2	0.4	1.1	109.5
1527	10.7	4	38.3	2.7	1.7	200.2	15.03	3	40.7	5.0	1.7	282.7	22.7	8	56.0	2.8	1.4	105.7	18.5	5	49.9	3.7	1.5	194.2	20.5	6	55.7	3.4	1.5	138.3	22.6	6	58.2	3.8	1.5	100.6	21.7	7	55.7	3.1	1.4	100.1
1580	10.3	3	28.2	3.4	1.4	110.0	17.1	2	28.5	8.6	1.8	60.0	21.2	1	23.0	21.2	1.8	0.0	21.1	1	19.6	21.1	1.7	0.0	24.5	3	29.7	8.2	1.3	274.2	23.9	5	30.0	4.8	1.2	120.9	24.8	4	28.8	6.2	1.3	100.6
1634	37.3	7	96.7	5.3	1.6	71.1	75.6	3	69.8	25.2	1.5	94.7	86.9	2	52.0	43.5	1.6	60.0	87.6	1	39.2	87.6	1.8	0.0	82.8	1	13.2	82.8	1.2	0.0	93.4	1	9.2	93.4	1.1	0.0	93.4	1	8.6	93.4	1.1	0.0
1687	1.5	5	13.2	0.3	1.2	291.4	4.23	9	26.6	0.5	1.2	118.0	12.2	11	49.3	1.1	1.2	100.9	15.2	8	56.6	1.9	1.4	100.8	25.1	8	71.3	3.1	1.4	90.6	20.1	10	76.5	2.0	1.4	89.2	21.3	12	71.0	1.8	1.3	85.9
1742	2.6	4	14.4	0.7	1.1	270.2	5.94	6	26.3	1.0	1.2	129.7	3.0	6	16.8	0.5	1.1	289.9	4.4	7	22.3	0.6	1.1	219.7	7.2	9	35.2	0.8	1.2	159.3	7.9	10	38.0	0.8	1.2	126.6	8.2	10	39.2	0.8	1.2	141.0
1785	0.5	2	3.4	0.3	1.1	510.0	1.62	6	12.9	0.3	1.1	172.1	0.8	3	5.8	0.3	1.1	233.2	2.7	4	16.2	0.7	1.2	309.9	5.9	8	28.2	0.7	1.2	137.1	7.7	5	34.0	1.5	1.4	162.6	11.4	4	42.5	2.9	1.6	161.5
1802	7.9	7	31.5	1.1	1.3	184.4	15.57	7	41.0	2.2	1.4	212.9	25.8	12	64.9	2.2	1.3	109.7	21.3	7	38.9	3.0	1.3	178.4	26.3	3	29.7	8.8	1.4	461.6	31.1	4	28.2	7.8	1.3	271.1	44.8	2	39.5	22.4	1.6	360.0
1839	1.2	2	6.1	0.6	1.1	169.7	1.8	4	12.2	0.5	1.2	182.1	1.4	2	8.0	0.7	1.2	127.3	1.5	2	8.0	0.8	1.1	169.7	3.6	4	15.3	0.9	1.1	79.5	4.1	3	16.5	1.4	1.1	73.0	5.8	2	15.0	2.9	1.2	84.9
1848	30.8	2	26.0	15.4	1.4	540.0	35.91	3	24.5	12.0	1.2	220.0	37.4	3	23.3	12.5	1.2	209.4	34.9	3	20.8	11.6	1.2	210.0	41.2	2	18.7	20.6	1.2	300.0	43.1	4	20.2	10.8	1.1	315.7	41.3	2	15.9	20.7	1.2	457.9
1896	5.0	1	11.0	5.0	1.2	0.0	5.85	3	16.5	2.0	1.1	224.8	4.7	2	14.1	2.3	1.2	94.9	4.2	3	13.5	1.4	1.1	71.6	6.6	1	15.0	6.6	1.5	0.0	7.4	2	14.7	3.7	1.2	189.7	6.8	1	13.8	6.8	1.4	0.0
1899	16.9	4	52.0	4.2	1.6	190.2	28.17	6	48.4	4.7	1.3	73.5	27.5	4	51.1	6.9	1.6	63.5	17.5	4	42.2	4.4	1.4	160.6	27.2	5	52.3	5.4	1.4	83.0	24.2	4	47.4	6.1	1.4	97.1	22.3	4	47.1	5.6	1.5	97.1
1961	0.9	3	7.3	0.3	1.1	281.1	0.99	2	7.3	0.5	1.3	483.7	2.6	6	15.6	0.4	1.1	136.1	2.8	7	19.0	0.4	1.1	104.1	4.6	4	27.2	1.1	1.6	82.1	4.0	7	27.5	0.6	1.3	164.3	6.0	4	34.6	1.5	1.7	183.6
2007	2.4	5	15.6	0.5	1.2	173.9	6.12	6	23.3	1.0	1.1	93.0	4.2	3	23.0	1.4	1.5	150.0	4.5	3	27.2	1.5	1.7	134.7	11.3	1	30.6	11.3	2.7	0.0	13.7	2	29.7	6.8	1.7	510.0	10.5	3	30.3	3.5	1.6	248.7
2112	76.1	5	41.0	15.2	1.2	60.0	77.13	1	26.3	77.1	1.3	0.0	72.3	2	29.1	36.1	1.2	120.0	70.7	1	28.8	70.7	1.4	0.0	71.7	1	30.9	71.7	1.5	0.0	71.6	1	39.2	71.6	1.7	0.0	70.2	1	32.1	70.2	1.5	0.0

Table S1 (cont.)

Title #	1991					1993					1999					2004					2009					2013					2016												
	CA	NP	ED	AREA_MN	SHAPE_MIN	ENN_MIN	CA	NP	ED	AREA_MN	SHAPE_MIN	ENN_MIN	CA	NP	ED	AREA_MN	SHAPE_MIN	ENN_MIN	CA	NP	ED	AREA_MN	SHAPE_MIN	ENN_MIN	CA	NP	ED	AREA_MN	SHAPE_MIN	ENN_MIN	CA	NP	ED	AREA_MN	SHAPE_MIN	ENN_MIN							
2113	27.8	5	45.3	5.6	1.5	127.5	32.4	6	51.7	5.4	1.5	81.5	34.9	4	51.1	8.7	1.6	99.1	34.2	4	51.1	8.6	1.6	173.5	34.5	4	51.7	8.6	1.6	165.7	41.1	5	52.0	8.2	1.4	101.4	34.6	7	66.1	4.9	1.5	80.8	
2115	1.7	6	11.6	0.3	1.0	157.2	3.87	6	21.7	0.6	1.2	165.7	4.6	7	26.9	0.7	1.2	225.0	2.8	7	18.7	0.4	1.1	137.3	8.2	5	42.9	1.6	1.6	146.3	8.8	5	32.4	1.8	1.3	224.2	8.5	3	31.5	2.8	1.6	211.3	
2125	10.2	8	41.9	1.3	1.3	121.5	17.64	9	53.3	2.0	1.2	98.7	18.7	7	49.3	2.7	1.3	98.3	15.8	6	42.9	2.6	1.3	128.8	19.1	8	53.6	2.4	1.3	132.1	20.8	4	50.8	5.2	1.4	119.1	19.9	4	45.9	5.0	1.4	119.1	
2180	15.8	11	71.6	1.4	1.3	90.9	21.24	9	74.7	2.4	1.4	86.8	21.4	6	63.1	3.6	1.4	139.3	19.0	5	51.1	3.8	1.4	177.2	21.3	7	45.3	3.0	1.2	141.8	26.8	12	64.3	2.2	1.2	83.9	23.5	7	56.9	3.4	1.3	123.8	
2217	11.3	7	44.1	1.6	1.4	84.8	19.44	5	62.4	3.9	1.6	105.0	20.1	4	62.4	5.0	1.6	77.4	15.9	3	55.1	5.3	2.0	80.8	16.6	2	54.2	8.3	2.3	94.9	19.0	3	57.5	6.3	1.8	76.3	18.4	2	58.8	9.2	2.3	84.9	
2231	57.9	1	30.0	57.9	1.6	0.0	60.21	2	31.2	30.1	1.3	94.9	60.9	1	28.5	60.9	1.6	0.0	58.6	1	29.4	58.6	1.7	0.0	60.6	1	29.1	60.6	1.7	0.0	61.6	1	28.2	61.6	1.6	0.0	60.9	1	28.8	60.9	1.6	0.0	2231
2293	1.1	1	9.5	1.1	2.3	0.0	2.16	1	9.2	2.2	1.6	0.0	4.1	10	25.7	0.4	1.1	168.7	2.3	4	11.9	0.6	1.1	295.6	7.2	6	38.6	1.2	1.5	210.3	15.3	10	49.9	1.5	1.2	114.1	33.8	7	57.2	4.8	1.2	83.4	
2337	19.0	12	58.5	1.6	1.3	114.3	31.14	12	75.9	2.6	1.2	87.2	31.2	11	86.3	2.8	1.3	74.1	23.2	9	63.1	2.6	1.3	82.0	27.5	11	71.0	2.5	1.2	105.0	31.0	9	78.4	3.4	1.3	78.7	29.4	9	69.8	3.3	1.3	70.5	
2338	8.5	6	25.1	1.4	1.2	241.9	10.89	6	32.8	1.8	1.3	210.1	11.4	5	32.8	2.3	1.4	223.1	9.4	6	26.9	1.6	1.2	210.9	12.2	4	35.2	3.0	1.4	275.2	15.7	4	41.0	3.9	1.5	302.0	13.1	4	36.1	3.3	1.4	320.7	
2349	3.0	3	14.7	1.0	1.4	358.1	4.41	7	21.4	0.6	1.1	134.2	5.0	9	26.3	0.6	1.2	73.7	4.0	8	20.8	0.5	1.1	96.7	13.0	11	48.4	1.2	1.2	123.4	22.6	14	80.2	1.6	1.3	95.5	13.2	7	34.6	1.9	1.3	159.6	
2350	0.8	3	4.6	0.3	1.0	573.2	0.81	3	4.9	0.3	1.1	584.0	1.1	3	5.8	0.4	1.1	550.2	0.5	3	3.4	0.2	1.0	615.5	1.4	4	7.3	0.4	1.1	288.1	4.7	10	30.6	0.5	1.3	101.7	3.1	3	16.8	1.0	1.9	408.4	
2384	1.2	5	11.0	0.2	1.1	108.5	6.21	5	38.3	1.2	1.6	64.2	6.0	2	29.4	3.0	1.9	90.0	5.2	2	28.8	2.6	2.0	120.0	9.5	5	34.6	1.9	1.3	85.9	10.4	1	36.1	10.4	2.7	0.0	11.9	2	40.4	5.9	2.1	90.0	
2388	0.1	1	0.9	0.1	1.0	0.0	1.53	1	7.0	1.5	1.6	0.0	2.3	1	6.1	2.3	1.4	0.0	1.9	1	5.8	1.9	1.3	0.0	2.4	1	6.7	2.4	1.4	0.0	1.0	1	3.7	1.0	1.1	0.0	0.6	1	3.4	0.6	1.2	0.0	
2396	8.3	6	30.3	1.4	1.3	154.9	13.32	5	37.6	2.7	1.4	109.2	14.9	5	38.6	3.0	1.3	86.9	11.2	4	32.1	2.8	1.5	154.7	16.5	5	29.4	3.3	1.2	162.9	18.6	5	38.6	3.7	1.4	142.9	14.8	4	29.4	3.7	1.4	138.3	
2435	1.2	3	8.3	0.4	1.1	389.7	1.71	4	11.6	0.4	1.1	110.0	5.1	6	25.4	0.9	1.2	171.8	1.1	3	8.9	0.4	1.3	371.2	1.7	3	11.3	0.6	1.3	358.7	4.4	4	21.4	1.1	1.3	224.6	4.0	4	20.5	1.0	1.3	233.8	
2450	1.6	2	9.2	0.8	1.2	726.2	2.34	2	10.1	1.2	1.2	715.6	1.8	2	8.9	0.9	1.1	726.2	1.7	2	10.4	0.9	1.3	700.4	2.7	2	11.9	1.4	1.3	700.4	3.5	2	11.3	1.8	1.1	700.4	3.0	2	14.4	1.5	1.5	700.4	
2456	2.2	3	12.2	0.7	1.3	477.6	9.99	9	37.3	1.1	1.2	178.0	15.7	13	58.8	1.2	1.2	86.1	11.1	9	41.6	1.2	1.3	133.4	24.5	6	64.9	4.1	1.6	87.4	37.5	4	53.6	9.4	1.6	121.3	35.0	3	47.4	11.7	1.8	169.5	
2491	9.5	2	23.9	4.7	1.5	174.9	10.62	2	25.1	5.3	1.6	94.9	12.7	1	24.2	12.7	1.8	0.0	11.1	1	24.5	11.1	1.9	0.0	12.1	1	24.5	12.1	1.8	0.0	12.8	1	25.7	12.8	1.9	0.0	12.3	1	25.1	12.3	1.9	0.0	2491
2492	20.1	1	40.7	20.1	2.5	0.0	24.3	1	36.7	24.3	2.2	0.0	25.4	1	32.1	25.4	1.9	0.0	23.4	1	33.7	23.4	1.9	0.0	25.1	1	30.3	25.1	1.8	0.0	24.7	1	32.1	24.7	1.8	0.0	23.2	1	34.9	23.2	1.9	0.0	2492
2494	15.0	6	45.6	2.5	1.3	109.4	19.17	3	38.9	6.4	1.5	108.0	20.7	4	38.9	5.2	1.4	179.4	14.1	4	38.0	3.5	1.4	103.5	16.6	3	47.1	5.5	1.7	215.9	17.4	3	41.3	5.8	1.6	126.0	15.1	4	41.6	3.8	1.5	101.0	
2497	0.3	1	2.4	0.3	1.0	0.0	1.44	5	11.0	0.3	1.0	212.7	1.3	3	7.3	0.4	1.1	91.0	2.1	4	11.9	0.5	1.2	175.0	6.7	4	18.1	1.7	1.2	124.2	11.1	9	42.9	1.2	1.2	131.7	8.2	6	27.5	1.4	1.2	194.1	
2508	56.7	4	37.6	14.2	1.3	180.0	63.9	4	34.9	16.0	1.1	195.6	67.5	6	46.2	11.3	1.1	93.0	50.4	5	78.1	10.1	1.5	102.2	57.0	4	76.5	14.2	1.5	177.2	62.6	6	69.2	10.4	1.3	105.0	60.2	2	69.5	30.1	1.9	60.0	
2553	6.8	12	34.0	0.6	1.1	101.6	10.71	10	53.6	1.1	1.4	122.0	10.7	9	44.4	1.2	1.3	134.3	10.1	7	49.0	1.4	1.5	91.8	15.0	7	64.3	2.1	1.4	71.0	15.8	5	60.9	3.2	1.7	95.0	11.2	7	58.8	1.6	1.4	93.4	
2598	8.5	7	45.9	1.2	1.4	78.9	23.76	3	68.0	7.9	2.1	74.7	21.3	3	58.5	7.1	1.7	84.7	15.1	6	55.1	2.5	1.4	83.5	19.4	3	54.2	6.5	1.8	74.7	23.5	3	54.8	7.8	1.6	80.0	20.8	4	57.9	5.2	1.6	81.2	
2604	0.3	3	3.1	0.1	1.0	248.6	2.16	6	17.1	0.4	1.3	64.7	3.2	5	17.8	0.6	1.2	67.0	1.9	5	12.9	0.4	1.1	80.8	5.5	5	25.7	1.1	1.3	70.6	5.9	1	18.4	5.9	2.2	0.0	2.3	2	17.1	1.1	1.8	120.0	
2608	1.6	3	9.8	0.5	1.1	386.1	2.79	6	18.4	0.5	1.2	102.3	2.3	4	17.8	0.6	1.4	245.9	2.3	4	15.0	0.6	1.3	306.2	4.4	5	22.7	0.9	1.2	98.7	4.8	7	26.9	0.7	1.2	94.9	4.4	5	22.7	0.9	1.3	132.4	
2620	67.4	3	40.7	22.5	1.2	139.4	65.16	2	30.3	32.6	1.2	150.0	68.8	4	38.3	17.2	1.3	90.6	66.7	4	34.9	16.7	1.2	87.4	72.2	1	42.2	72.2	1.9	0.0	71.2	4	50.2	17.8	1.3	67.1	68.9	2	36.7	34.4	1.3	90.0	
2622	25.5	6	45.9	4.2	1.4	219.5	19.71	5	61.5	3.9	1.5	187.8	10.4	8	38.3	1.3	1.2	81.4	11.7	2	36.7	5.9	2.0	276.6	30.2	11	71.3	2.7	1.2	78.9	15.4	6	61.2	2.6	1.6	154.9	12.3	6	52.0	2.1	1.5	153.8	
2652	1.0	2	6.1	0.5	1.6	0.0	1.26	1	6.4	1.3	1.5	0.0	1.3	1	6.4	1.3	1.5	0.0	1.1	1	4.6	1.1	1.3	0.0	1.3	1	6.1	1.3	1.4	0.0	1.7	1	5.5	1.7	1.2	0.0	1.4	1	6.1	1.4	1.4	0.0	2652
2653	0.5	3	6.1	0.2	1.1	423.0	4.41	6	23.9	0.7	1.3	223.5	2.9	2	11.3	1.4	1.3	174.9	1.5	2	8.9	0.8	1.4	216.3	2.5	3	11.3	0.8	1.3	356.1	6.0	4	23.3	1.5	1.4	194.3	3.5	3	11.3	1.2	1.2	300.0	
2655	3.6	8	29.4	0.5	1.3	122.0	8.91	8	43.2	1.1	1.3	116.7	8.1	8	46.5	1.0	1.4	75.7	6.1	10	35.5	0.6	1.2	101.8	7.8	4	39.8	2.0	1.8	63.5	13.0	8	48.4	1.6	1.3	97.3	9.6	7	43.5	1.4	1.5	118.1	
2658	2.1	5	15.6	0.4	1.2	90.6	4.05	8	25.1	0.5	1.2	130.5	4.6	7	26.9	0.7	1.3	151.0	4.3	5	26.0	0.9	1.4	101.4	6.6	4	31.8	1.6	1.5	194.6	10.7	4	44.4	2.7	1.8	140.3	6.8	5	31.5	1.4	1.4	67.1	

Table S1 (cont.)

Title#	1991						1993						1999						2004						2009						2013						2016						
	CA	NP	ED	AREA_MIN	SHAPE_MIN	ENNI_MIN	CA	NP	ED	AREA_MIN	SHAPE_MIN	ENNI_MIN	CA	NP	ED	AREA_MIN	SHAPE_MIN	ENNI_MIN	CA	NP	ED	AREA_MIN	SHAPE_MIN	ENNI_MIN	CA	NP	ED	AREA_MIN	SHAPE_MIN	ENNI_MIN	CA	NP	ED	AREA_MIN	SHAPE_MIN	ENNI_MIN							
2662	3.6	7	17.8	0.5	1.1	127.0	7.38	10	35.2	0.7	1.1	127.3	7.1	7	32.1	1.0	1.2	129.9	6.4	7	34.0	0.9	1.2	167.2	13.7	9	62.4	1.5	1.4	76.5	10.8	7	42.9	1.5	1.3	78.6	12.6	6	47.1	2.1	1.3	103.7	
2664	1.1	2	6.7	0.5	1.1	570.0	3.42	6	19.6	0.6	1.1	159.6	0.9	3	7.3	0.3	1.1	200.0	2.1	3	12.2	0.7	1.2	182.5	4.3	4	19.0	1.1	1.2	204.5	5.3	2	20.2	2.7	1.6	241.9	4.2	3	17.4	1.4	1.3	154.6	
2672	9.0	5	36.7	1.8	1.4	183.1	16.56	11	65.8	1.5	1.3	99.7	20.2	8	68.6	2.5	1.5	103.6	11.6	8	44.4	1.5	1.3	94.3	19.4	6	62.7	3.2	1.5	88.4	19.5	5	60.0	3.9	1.6	172.1	20.0	6	64.3	3.3	1.5	107.1	
2674	15.0	8	47.1	1.9	1.4	86.2	10.44	10	39.5	1.0	1.2	121.7	16.7	12	64.0	1.4	1.3	109.6	9.2	8	32.1	1.1	1.1	134.1	12.2	12	46.2	1.0	1.2	102.3	14.9	15	56.6	1.0	1.2	107.5	12.3	9	44.7	1.4	1.2	132.2	
2708	11.5	6	44.4	1.9	1.5	78.4	19.17	4	56.3	4.8	1.7	100.1	19.9	2	47.8	9.9	2.1	127.3	15.8	4	49.0	4.0	1.6	60.0	19.1	2	52.0	9.5	2.3	67.1	25.3	2	50.5	12.6	2.1	60.0	19.8	2	48.7	9.9	2.2	212.1	
2761	5.9	7	0.8	1.2	1.2	90.8	14.04	7	51.1	2.0	1.3	154.7	12.2	2	31.8	6.1	1.6	632.9	8.5	1	28.2	8.5	2.4	0.0	15.5	2	43.5	7.7	1.9	429.5	13.7	1	31.5	13.7	2.3	0.0	11.2	1	30.9	11.2	2.4	0.0	
2831	8.6	1	19.6	8.6	1.9	0.0	9	1	16.5	9.0	1.7	0.0	9.3	1	15.3	9.3	1.6	0.0	7.3	1	13.5	7.3	1.6	0.0	0.0	0	0.0	0.0	0.0	0.0	9.9	1	11.0	9.9	1.3	0.0	7.5	1	9.5	7.5	1.3	0.0	
2837	8.6	11	34.9	0.8	1.1	116.8	13.41	11	50.5	1.2	1.2	89.3	20.0	10	62.7	2.0	1.3	76.6	11.8	11	45.9	1.1	1.2	99.3	20.9	7	69.5	3.0	1.6	76.5	15.4	11	54.2	1.4	1.2	74.5	17.4	8	61.2	2.2	1.5	107.7	
2838	22.4	3	38.3	7.5	1.4	220.7	26.1	8	41.9	3.3	1.1	107.8	29.0	5	46.8	5.8	1.4	137.5	25.6	6	45.9	4.3	1.3	105.2	32.4	10	64.3	3.2	1.3	96.5	31.4	6	54.8	5.2	1.3	134.6	30.9	6	56.0	5.1	1.3	129.4	
2839	12.6	8	44.7	1.6	1.3	159.0	10.35	6	27.2	1.7	1.2	256.6	18.4	8	52.0	2.3	1.3	135.4	7.7	7	28.2	1.1	1.2	204.9	15.0	8	53.6	1.9	1.4	109.2	12.0	10	47.4	1.2	1.3	116.3	11.5	6	47.8	1.9	1.4	124.9	
2842	19.3	8	70.1	2.4	1.4	114.3	34.11	3	78.7	11.4	1.8	100.0	38.4	3	60.3	12.8	1.5	190.7	28.5	5	68.6	5.7	1.5	108.0	35.1	3	66.7	11.7	1.7	160.6	31.5	4	64.9	7.9	1.6	106.8	33.8	3	64.0	11.3	1.6	160.6	
2877	6.4	5	30.9	1.3	1.3	90.6	13.23	3	36.7	4.4	1.8	70.0	11.4	3	35.2	3.8	1.6	60.0	10.3	3	41.9	3.4	1.8	60.0	16.4	2	39.8	8.2	1.8	210.0	15.9	1	37.0	15.9	2.6	0.0	15.8	1	34.6	15.8	2.4	0.0	
2892	36.3	5	49.0	7.3	1.3	108.4	40.95	4	55.7	10.2	1.5	114.8	42.4	6	61.5	7.1	1.4	82.8	40.7	5	57.2	8.1	1.4	104.9	45.6	6	66.7	7.6	1.5	91.7	42.4	7	62.1	6.1	1.4	71.1	41.9	6	67.6	7.0	1.6	73.2	
2896	19.7	4	30.3	4.9	1.5	400.2	25.56	5	34.3	5.1	1.2	93.4	24.6	3	29.4	8.2	1.3	245.6	27.5	5	39.5	5.5	1.2	84.7	38.1	3	49.3	12.7	1.6	101.2	39.8	2	52.0	19.9	1.8	120.0	39.2	2	46.5	19.6	1.7	150.0	
2952	13.3	6	45.3	2.2	1.4	72.2	31.86	4	57.5	8.0	1.5	172.3	16.6	8	51.7	2.1	1.3	88.9	15.0	6	42.2	2.5	1.3	148.8	25.5	3	47.4	8.5	1.5	178.5	30.2	4	44.7	7.6	1.3	149.9	31.3	3	47.1	10.4	1.6	129.6	
2991	6.0	4	25.1	1.5	1.3	290.6	9.27	7	35.5	1.3	1.3	113.6	6.7	5	24.8	1.3	1.3	160.3	9.0	6	34.6	1.5	1.3	164.7	12.5	11	47.1	1.1	1.2	76.0	13.1	7	36.7	1.9	1.1	114.7	14.5	6	54.5	2.4	1.7	86.7	
3008	12.6	6	30.3	2.1	1.3	199.6	25.11	5	45.6	5.0	1.5	147.4	17.6	5	33.7	3.5	1.2	125.7	18.4	5	35.8	3.7	1.3	120.0	21.6	4	38.0	5.4	1.5	234.2	18.6	4	37.0	4.7	1.4	253.7	17.8	4	32.8	4.5	1.3	297.0	
3042	1.0	4	5.8	0.2	1.0	134.9	2.88	3	14.7	1.0	1.3	62.4	2.9	4	19.0	0.7	1.5	74.0	1.4	4	8.3	0.3	1.1	73.8	3.1	4	17.4	0.8	1.3	305.3	5.5	4	15.0	1.4	1.2	293.2	4.2	4	14.7	1.1	1.2	306.3	
3096	4.5	3	23.9	1.5	1.5	264.4	7.29	4	26.9	1.8	1.3	177.2	6.9	3	23.6	2.3	1.4	262.5	6.5	3	24.5	2.2	1.4	262.5	7.0	3	23.6	2.3	1.4	264.4	9.5	3	26.6	3.2	1.3	234.4	7.4	3	24.2	2.5	1.4	277.9	
3105	9.2	1	32.8	9.2	2.7	0.0	11.79	1	31.5	11.8	2.4	0.0	12.8	1	33.4	12.8	2.6	0.0	13.6	1	33.4	13.6	2.5	0.0	14.6	1	30.9	14.6	2.2	0.0	16.5	1	29.4	16.5	2.0	0.0	15.3	1	31.2	15.3	2.2	0.0	
3118	0.2	2	2.4	0.1	1.0	570.8	0.18	1	2.4	0.2	1.3	0.0	0.0	0	0.0	0.0	0.0	0.0	0.1	1	1.2	0.1	1.0	0.0	2.6	4	22.3	0.7	1.5	186.8	2.0	7	18.1	0.3	1.2	90.2	3.2	7	27.9	0.5	1.4	98.0	
3162	8.2	2	28.8	4.1	1.8	553.2	10.89	4	32.1	2.7	1.4	266.0	11.2	6	41.9	1.9	1.4	161.4	13.3	6	46.2	2.2	1.4	195.1	18.6	4	60.0	4.7	1.9	185.7	21.9	3	66.7	7.3	2.1	168.4	20.8	5	70.7	4.2	1.7	69.8	
3203	2.7	3	15.6	0.9	1.4	238.7	9	5	45.0	1.8	1.6	72.6	6.3	2	34.6	3.2	2.4	189.7	5.1	6	29.7	0.9	1.3	87.6	8.8	4	34.6	2.2	1.5	79.8	14.0	2	34.0	7.0	1.6	153.0	11.4	2	34.3	5.7	1.7	161.6	
3209	0.4	1	3.1	0.4	1.3	0.0	1.62	3	9.2	0.5	1.0	250.3	2.2	4	13.5	0.5	1.1	104.5	4.1	5	25.7	0.8	1.3	79.4	10.8	2	34.6	5.4	1.8	67.1	13.0	1	30.3	13.0	2.1	0.0	11.8	1	34.9	11.8	2.6	0.0	
3211	0.2	1	1.2	0.2	1.0	0.0	0.27	2	2.1	0.1	1.0	551.5	0.6	3	4.6	0.2	1.0	304.7	0.4	2	3.1	0.2	1.0	702.3	1.1	5	9.5	0.2	1.0	317.5	4.2	6	26.3	0.7	1.3	179.6	1.4	4	11.9	0.3	1.3	260.4	
3213	6.9	2	25.4	3.5	1.7	67.1	9.63	2	27.5	4.8	1.7	94.9	8.5	1	28.8	8.5	2.7	0.0	8.4	2	34.0	4.2	2.0	60.0	11.8	3	39.2	3.9	1.6	62.4	15.3	1	36.1	15.3	2.5	0.0	11.2	4	36.7	2.8	1.4	77.4	
3264	7.3	2	21.4	3.6	1.4	60.0	12.15	3	30.0	4.1	1.3	70.0	4.0	3	19.6	1.3	1.3	76.3	5.4	2	21.4	2.7	1.6	84.9	4.6	1	19.0	4.6	2.1	0.0	5.5	3	24.5	1.8	1.4	94.9	6.1	1	25.7	6.1	2.5	0.0	
3325	0.2	1	1.5	0.2	1.0	0.0	0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3422	2.2	1	8.9	2.2	1.7	0.0	4.77	5	19.6	1.0	1.2	134.6	7.3	1	25.4	7.3	2.5	0.0	7.2	4	28.8	1.8	1.4	83.1	11.1	2	35.5	5.5	1.9	60.0	14.1	2	34.6	7.1	1.7	67.1	12.0	1	35.2	12.0	2.7	0.0	
3432	8.7	5	32.8	1.7	1.2	99.4	16.56	2	35.5	8.3	1.7	94.9	13.9	4	33.4	3.5	1.4	87.6	12.4	4	27.2	3.1	1.2	118.4	14.3	3	33.1	4.8	1.4	114.9	19.6	1	42.5	19.6	2.6	0.0	11.6	5	45.6	2.3	1.5	67.1	
3440	17.9	2	29.4	9.0	1.9	600.0	19.98	2	27.5	10.0	1.7	540.0	24.0	5	37.6	4.8	1.4	127.6	26.1	4	43.5	6.5	1.6	69.3	28.9	3	45.6	9.6	1.7	62.4	29.6	3	44.1	9.9	1.6	76.3	29.0	1	48.1	29.0	2.9	0.0	
3445	1.9	5	10.1	0.4	1.1	91.4	3.24	4	16.8	0.8	1.3	183.2	3.8	3	15.6	1.3	1.4	60.0	5.0	5	24.2	1.0	1.3	127.3	7.2	3	33.4	2.4	2.0	170.0	8.6	3	21.7	2.9	1.5	256.5	6.3	3	34.3	2.1	2.0	193.2	

Table S1 (cont.)

Title #	1991			1993			1999			2004			2009			2013			2016																							
	CA	NP	ED	AREA_MN	SHAPE_MIN	ENN_MIN	CA	NP	ED	AREA_MN	SHAPE_MIN	ENN_MIN	CA	NP	ED	AREA_MN	SHAPE_MIN	ENN_MIN	CA	NP	ED	AREA_MN	SHAPE_MIN	ENN_MIN	CA	NP	ED	AREA_MN	SHAPE_MIN	ENN_MIN												
3447	1.4	5	11.6	0.3	1.1	163.1	3.42	7	21.1	0.5	1.1	93.6	2.5	6	17.8	0.4	1.1	118.2	2.6	4	16.8	0.7	1.4	166.0	2.5	5	15.9	0.5	1.2	225.2	4.6	4	18.7	1.1	1.4	262.9	3.7	4	17.1	0.9	1.3	316.7
3486	7.2	2	18.1	3.6	1.5	60.0	12.6	1	15.3	12.6	1.5	0.0	12.7	1	11.6	12.7	1.3	0.0	12.2	1	13.2	12.2	1.4	0.0	12.0	1	13.8	12.0	1.4	0.0	13.2	1	12.5	13.2	1.3	0.0	5.6	2	18.7	2.8	1.5	94.9
3548	47.0	4	44.4	11.7	1.3	81.0	47.61	5	46.8	9.5	1.2	78.2	50.7	2	47.8	25.3	1.7	67.1	50.0	3	49.6	16.7	1.5	62.4	57.7	2	43.8	28.8	1.5	67.1	51.2	2	52.3	25.6	1.8	67.1	51.6	3	53.6	17.2	1.5	71.6
3597	44.9	3	39.8	15.0	1.3	191.3	49.41	3	57.2	16.5	1.5	84.7	51.6	2	47.1	25.8	1.7	108.2	38.5	3	58.5	12.8	1.7	112.1	42.3	3	64.6	14.1	1.7	74.7	43.4	3	59.7	14.5	1.7	73.0	39.7	4	66.1	9.9	1.6	98.7
3605	12.3	7	54.5	1.8	1.4	127.9	18.27	13	76.2	1.4	1.3	92.2	29.8	11	97.3	2.7	1.3	89.3	25.5	15	90.6	1.7	1.3	106.8	48.6	7	99.8	6.9	1.5	73.8	42.2	10	77.7	4.2	1.2	93.0	46.9	8	79.3	5.9	1.4	82.3
3642	1.9	5	14.1	0.4	1.2	210.2	4.77	6	20.5	0.8	1.2	207.5	6.3	6	25.7	1.1	1.3	144.0	4.2	5	20.2	0.8	1.3	218.7	10.1	6	39.8	1.7	1.5	122.4	11.5	7	40.1	1.6	1.4	127.1	10.2	6	37.6	1.7	1.4	107.8
3663	6.7	4	16.5	1.7	1.2	78.5	17.28	4	39.5	4.3	1.4	117.4	12.1	2	25.4	6.0	1.6	90.0	27.4	4	38.6	6.8	1.4	113.3	18.8	3	36.1	6.3	1.4	134.7	32.8	3	39.8	10.9	1.4	90.0	29.5	3	38.0	9.8	1.4	94.7
3697	2.3	5	16.8	0.5	1.2	229.7	6.48	8	31.5	0.8	1.2	167.8	5.4	9	35.5	0.6	1.4	140.8	4.0	6	24.5	0.7	1.4	191.8	7.0	6	34.6	1.2	1.4	124.0	7.9	9	41.3	0.9	1.3	109.7	6.1	8	34.0	0.8	1.2	97.3
3703	15.3	2	26.6	7.7	1.9	90.0	16.74	1	28.8	16.7	2.4	0.0	17.6	1	26.9	17.6	2.3	0.0	17.2	1	28.2	17.2	2.4	0.0	18.5	1	28.2	18.5	2.3	0.0	21.6	1	27.2	21.6	2.1	0.0	17.6	1	28.8	17.6	2.4	0.0
3712	20.8	4	49.6	5.2	1.5	72.4	25.38	1	51.1	25.4	2.7	0.0	25.5	2	49.6	12.7	1.9	60.0	16.4	4	62.7	4.1	2.0	76.0	22.1	3	56.0	7.4	1.8	73.0	28.5	1	45.6	28.5	2.4	0.0	22.9	1	56.9	22.9	3.2	0.0
3714	24.2	5	60.6	4.8	1.5	127.7	27.27	3	57.2	9.1	1.7	84.7	30.2	4	53.6	7.5	1.6	126.8	34.2	2	53.6	17.1	1.8	268.3	36.5	2	53.9	18.2	1.8	228.5	38.2	2	51.7	19.1	1.7	216.3	37.8	2	45.9	18.9	1.7	268.3
3717	2.9	4	11.9	0.7	1.1	212.7	3.69	6	16.8	0.6	1.1	131.3	7.9	7	32.4	1.1	1.2	122.4	9.4	7	35.2	1.3	1.3	118.0	10.9	7	37.0	1.6	1.3	100.6	14.0	4	34.9	3.5	1.4	117.0	15.2	4	36.4	3.8	1.4	111.1
3755	1.5	3	10.4	0.5	1.1	140.6	1.98	3	12.9	0.7	1.2	130.7	4.6	2	23.0	2.3	1.8	153.0	4.2	4	19.9	1.1	1.2	124.8	5.3	5	26.9	1.1	1.3	81.8	6.8	4	28.8	1.7	1.3	91.8	6.8	4	28.2	1.7	1.4	95.4
3759	6.8	9	28.5	0.8	1.1	108.4	11.52	5	33.1	2.3	1.3	133.2	8.9	4	28.5	2.2	1.3	194.0	5.2	5	24.2	1.0	1.3	178.8	7.0	4	30.0	1.8	1.6	148.7	10.4	3	30.9	3.5	1.6	167.1	8.4	4	31.2	2.1	1.5	128.2
3762	2.0	1	7.0	2.0	1.3	0.0	2.34	1	7.0	2.3	1.2	0.0	4.3	2	15.6	2.2	1.5	84.9	2.6	1	8.9	2.6	1.5	0.0	3.2	2	14.4	1.6	1.5	60.0	3.4	2	11.0	1.7	1.2	134.2	3.4	1	14.1	3.4	1.9	0.0
3818	7.3	4	33.1	1.8	1.5	67.5	10.08	4	33.4	2.5	1.4	63.5	11.0	2	29.7	5.5	1.8	67.1	10.9	2	26.9	5.4	1.7	90.0	14.1	2	26.9	7.1	1.6	60.0	16.1	1	27.5	16.1	2.3	0.0	15.2	1	29.1	15.2	2.4	0.0
3820	1.4	2	5.2	0.7	1.3	90.0	0.9	3	5.2	0.3	1.1	130.0	1.2	1	4.6	1.2	1.3	0.0	2.0	1	5.8	2.0	1.2	0.0	2.7	1	8.0	2.7	1.5	0.0	3.2	2	11.0	1.6	1.3	90.0	2.8	1	9.2	1.4	1.2	150.0
3861	3.9	7	26.0	0.6	1.2	155.9	8.46	5	40.7	1.7	1.5	171.2	12.1	4	51.4	3.0	1.7	75.0	8.9	5	46.2	1.8	1.6	133.2	13.4	4	53.3	3.4	1.7	90.7	14.9	4	56.6	3.7	1.8	79.5	15.1	4	57.9	3.8	1.8	94.5
3865	12.2	4	45.9	3.1	1.5	81.2	17.1	4	48.4	4.3	1.6	60.0	18.3	4	51.7	4.6	1.5	90.0	13.2	4	51.4	3.3	1.6	105.0	13.3	2	50.5	6.7	2.3	150.0	21.6	3	56.3	7.2	2.0	130.0	17.1	4	61.2	4.3	1.8	120.0
3875	3.0	2	7.7	1.5	1.3	240.0	5.13	2	8.9	2.6	1.2	210.0	4.7	3	10.1	1.6	1.2	160.0	4.0	1	8.0	4.0	1.5	0.0	5.4	1	10.7	5.4	1.7	0.0	6.5	3	18.7	2.2	1.4	169.4	6.2	4	16.5	1.6	1.2	123.5
3881	55.3	2	51.7	27.6	1.7	60.0	21.78	8	55.4	2.7	1.3	152.8	29.5	5	42.5	5.9	1.4	147.6	32.2	5	43.5	6.4	1.4	153.2	33.6	4	46.5	8.4	1.3	218.6	36.8	4	46.8	9.2	1.3	207.4	35.2	3	49.0	11.7	1.6	256.7
3924	8.6	7	31.2	1.2	1.2	151.1	14.13	7	51.1	2.0	1.4	111.6	21.1	5	60.6	4.2	1.6	97.1	18.8	6	68.6	3.1	1.7	78.5	23.0	3	72.5	7.7	2.3	92.6	29.1	2	63.4	14.5	2.2	60.0	23.2	3	73.2	7.7	2.1	68.3
3927	0.6	1	2.8	0.6	1.0	0.0	1.35	2	5.8	0.7	1.1	342.1	0.5	1	3.1	0.5	1.4	0.0	0.3	2	2.4	0.1	1.0	90.0	0.3	2	2.4	0.1	1.0	90.0	2.3	1	8.6	2.3	1.7	0.0	1.5	2	5.5	0.8	1.0	108.2
3936	18.7	13	71.6	1.4	1.2	118.3	21.96	10	83.0	2.2	1.5	83.1	18.2	16	77.1	1.1	1.2	100.7	25.5	7	89.7	3.6	1.7	108.5	22.3	12	87.2	1.9	1.4	84.9	30.2	8	94.3	3.8	1.6	87.8	24.4	10	88.5	2.4	1.5	80.0
3973	1.7	5	11.6	0.3	1.2	375.5	5.13	8	25.7	0.6	1.2	142.0	4.5	8	22.7	0.6	1.2	124.0	4.1	8	23.3	0.5	1.1	131.4	7.8	10	37.6	0.8	1.3	132.2	12.8	4	50.8	3.2	2.0	178.3	8.5	8	39.5	1.1	1.4	135.6
3987	1.5	5	11.6	0.3	1.1	251.3	2.43	6	19.3	0.4	1.2	163.2	1.9	5	18.1	0.4	1.3	212.0	1.9	6	17.4	0.3	1.2	163.8	2.4	5	17.4	0.5	1.2	259.4	7.8	3	38.3	2.6	2.0	244.7	2.9	5	18.7	0.6	1.2	206.2
3991	10.8	9	52.0	1.2	1.4	114.0	17.73	9	69.8	2.0	1.4	91.0	10.9	10	56.9	1.1	1.4	89.7	20.0	4	68.9	5.0	1.9	104.7	19.9	4	63.4	5.0	1.8	86.0	24.6	4	63.4	6.1	1.7	73.8	20.8	3	61.2	6.9	1.9	108.0
3992	7.8	7	34.6	1.1	1.3	104.7	12.96	10	51.4	1.3	1.3	84.6	6.6	7	25.7	0.9	1.2	143.0	9.2	7	40.4	1.3	1.4	93.2	11.1	9	45.9	1.2	1.3	90.4	18.7	6	57.2	3.1	1.5	121.1	15.0	6	52.3	2.5	1.6	117.5
4085	2.3	6	18.4	0.4	1.2	119.6	5.13	4	30.9	1.3	1.6	173.7	4.1	5	26.9	0.8	1.6	159.7	4.4	6	32.1	0.7	1.5	97.3	4.0	3	24.2	1.3	1.6	130.6	11.7	2	36.4	5.9	2.1	247.4	7.0	4	37.3	1.8	1.7	93.5
4094	2.1	2	8.3	1.0	1.1	926.6	2.97	4	13.8	0.7	1.1	268.0	4.0	6	19.6	0.7	1.1	119.4	2.9	4	13.5	0.7	1.1	214.2	2.1	2	8.9	1.0	1.2	67.1	7.5	11	33.1	0.7	1.1	101.4	5.9	8	30.0	0.7	1.3	160.2
4095	0.6	3	5.8	0.2	1.1	297.4	2.07	3	10.4	0.7	1.2	250.9	1.3	3	8.9	0.4	1.1	269.2	0.5	2	5.5	0.3	1.2	424.3	1.3	2	8.6	0.6	1.3	108.2	1.7	6	14.1	0.3	1.0	103.8	2.0	4	11.6	0.5	1.1	200.0
4100	3.6	4	14.4	0.9	1.1	237.8	5.04	7	19.3	0.7	1.1	218.5	10.1	8	45.6	1.3	1.3	118.9	13.2	5	53.9	2.6	1.6	143.5	15.4	5	55.7	3.1	1.6	138.3	20.6	4	58.5	5.2	1.6	165.4	19.4	4	53.6	4.8	1.5	160.8

Table S1 (cont.)

Title #	1991			1993			1999			2004			2009			2013			2016																							
	CA	NP	ED	AREA_MN	SHAPE_MN	ENN_MN	CA	NP	ED	AREA_MN	SHAPE_MN	ENN_MN	CA	NP	ED	AREA_MN	SHAPE_MN	ENN_MN	CA	NP	ED	AREA_MN	SHAPE_MN	ENN_MN																		
4149	1.2	1	5.5	1.2	1.4	0.0	1.89	1	5.5	1.9	1.2	0.0	2.0	2	7.0	1.0	1.2	365.0	1.9	2	7.3	0.9	1.2	365.0	0.0	0	0.0	0.0	0.0	0.0	3.7	6	15.3	0.6	1.2	260.2	3.2	5	13.2	0.6	1.1	414.6
4150	1.3	3	6.4	0.4	1.1	219.6	2.07	4	10.4	0.5	1.1	383.8	3.6	6	21.1	0.6	1.2	87.3	2.6	4	15.3	0.7	1.3	320.5	2.4	2	15.6	1.2	1.7	94.9	4.8	2	21.1	2.4	1.9	792.0	3.6	3	20.5	1.2	1.6	297.1
4193	95.4	3	7.0	31.8	1.1	0.0	95.94	1	4.9	95.9	1.0	0.0	5.7	2	11.9	2.8	1.4	150.0	5.9	2	12.5	3.0	1.6	60.0	6.3	2	15.0	3.2	1.7	60.0	8.2	2	16.2	4.1	1.5	780.0	6.8	1	13.5	6.8	2.1	0.0
4255	17.6	3	24.8	5.9	1.4	94.7	20.07	2	19.0	10.0	1.3	120.0	21.7	1	21.4	21.7	1.9	0.0	20.3	3	22.7	6.8	1.3	106.6	15.9	3	20.8	5.3	1.3	111.8	22.4	1	21.1	22.4	1.9	0.0	22.5	1	21.4	22.5	1.9	0.0
4256	0.2	1	1.8	0.2	1.3	0.0	0.54	2	3.7	0.3	1.1	1294.2	0.5	2	2.4	0.2	1.1	1275.6	0.3	1	2.1	0.3	1.3	0.0	0.5	1	1.5	0.5	1.0	0.0	0.8	2	3.1	0.4	1.1	1273.5	0.5	2	2.4	0.3	1.0	1294.2
4306	7.6	4	21.7	1.9	1.2	239.3	9.9	3	28.5	3.3	1.4	222.5	10.4	3	31.2	3.5	1.5	152.8	10.0	3	31.8	3.3	1.5	143.2	12.5	3	36.1	4.2	1.6	91.6	17.8	1	41.6	17.8	2.6	0.0	15.0	1	39.8	15.0	2.7	0.0
4314	7.6	2	8.3	3.8	1.4	0.0	7.74	1	8.6	7.7	1.5	0.0	5.8	2	14.7	2.9	1.4	60.0	4.3	2	13.2	2.2	1.3	84.9	4.2	3	16.8	1.4	1.4	73.0	5.0	2	15.3	2.5	1.5	60.0	4.4	2	14.4	2.2	1.6	60.0
4317	62.9	3	26.9	21.0	1.2	120.0	65.07	3	25.4	21.7	1.2	96.1	66.3	3	27.5	22.1	1.2	104.5	60.7	3	22.0	20.2	1.2	76.1	62.9	1	17.1	62.9	1.2	0.0	65.7	1	14.4	65.7	1.2	0.0	69.0	1	21.7	69.0	1.3	0.0
4318	16.2	1	18.1	16.2	1.3	0.0	12.69	2	18.7	6.3	1.3	94.9	19.1	1	17.4	19.1	1.2	0.0	8.9	2	16.8	4.5	1.3	674.2	15.3	1	19.6	15.3	1.3	0.0	18.5	1	32.1	18.5	2.1	0.0	14.9	2	32.8	7.5	1.5	150.0
4363	7.0	7	23.6	1.0	1.1	146.4	10.35	8	41.0	1.3	1.3	67.5	9.5	6	36.7	1.6	1.4	88.0	8.9	5	34.3	1.8	1.5	146.3	10.1	7	38.9	1.4	1.3	70.6	13.2	3	43.2	4.4	1.8	105.5	12.3	2	44.4	6.2	2.4	182.5
4368	9.7	3	47.8	3.2	2.1	71.6	15.57	1	43.8	15.6	2.9	0.0	16.7	2	39.2	8.4	1.7	67.1	12.6	2	42.5	6.3	2.0	90.0	13.0	3	45.0	4.3	1.7	62.4	19.3	2	35.2	9.6	1.5	67.1	15.7	3	47.8	5.2	1.6	67.1
4373	47.3	2	37.6	23.7	1.3	67.1	51.21	1	36.1	51.2	1.5	0.0	52.3	6	48.1	8.7	1.1	65.0	9.6	3	20.5	3.2	1.2	187.7	5.9	3	15.3	2.0	1.2	234.6	17.4	1	23.9	17.4	1.9	0.0	13.9	3	20.8	4.6	1.1	186.6
4479	34.9	3	42.5	11.6	1.4	227.4	39.42	3	37.3	13.1	1.3	202.3	35.3	2	33.1	17.6	1.3	268.3	33.3	2	36.1	16.7	1.4	276.6	39.8	2	38.6	19.9	1.4	90.0	39.0	2	33.7	19.5	1.3	241.9	35.2	2	33.4	17.6	1.3	258.1
4593	35.8	4	22.7	9.0	1.3	523.9	37.17	3	24.2	12.4	1.2	254.5	35.8	2	22.7	17.9	1.3	523.9	35.3	2	22.7	17.6	1.3	536.7	29.3	3	22.0	9.8	1.2	378.9	2.5	3	8.0	0.8	1.1	491.3	14.9	5	36.7	3.0	1.4	217.1
4646	38.7	1	33.1	38.7	1.9	0.0	41.22	1	32.1	41.2	1.8	0.0	41.1	1	32.1	41.1	1.8	0.0	39.3	1	34.0	39.3	1.9	0.0	46.9	1	29.7	46.9	1.7	0.0	40.1	1	31.5	40.1	1.8	0.0	39.2	1	32.4	39.2	1.8	0.0
4649	84.7	2	10.7	42.3	1.2	0.0	85.23	1	10.1	85.2	1.2	0.0	85.1	1	10.1	85.1	1.2	0.0	78.8	1	30.6	78.8	1.7	0.0	72.0	3	26.9	24.0	1.1	112.1	43.0	3	38.9	14.3	1.3	193.4	66.3	4	54.5	16.6	1.3	90.5
4757	42.0	2	33.1	21.0	1.3	349.9	43.56	2	32.4	21.8	1.3	349.9	41.9	2	32.4	21.0	1.2	361.2	40.9	1	31.5	40.9	1.4	0.0	40.4	1	34.0	40.4	1.5	0.0	15.0	4	45.3	3.8	1.5	63.5	39.1	1	36.1	39.1	1.6	0.0

Total forested area (CA), number of patches (NP), edge density (ED), mean patch area (AREA_MN), mean shape index (SHAPE_MN), mean Euclidean nearest neighbor patch distance (ENN_MN).