

Supplementary Table S1. Error Matrix table and the Kappa coefficient from the supervised classification

Nome	Tree/shrub	Grass/ herbaceous	Bare soil	Roads	Impervious surface	Shadow	River/ Lakes	Pool	Light tiles	Dark tiles	Grey tiles	Ceramic tiles	Total	User's accuracy
Tree/shrub	16.859	0	0	27	0	0	2	0	0	0	0	0	16.888	99.83%
Grass/herbaceous	54	22.712	0	0	0	0	0	0	0	0	0	0	22.766	99.76%
Bare soil	0	41	15.561	0	0	0	0	0	0	0	0	493	16.095	96.68%
Roads	11	0	0	16.382	8	3	0	0	0	3	0	0	16.407	99.85%
Impervious surface	0	0	0	3	4.268	0	0	0	40	0	1	0	4.312	98.98%
Shadow	0	0	0	16	0	14.769	326	0	0	26	0	0	15.137	97.57%
River/Lakes	0	0	0	9	0	4.616	371.854	0	0	12	0	0	376.491	98.77%
Pool	0	0	0	0	0	0	0	5.135	0	0	0	0	5.135	100.00%
Light tiles	0	0	0	0	82	0	0	0	5.097	0	0	15	5.194	98.13%
Dark tiles	0	1	0	45	0	12	0	0	0	7.168	0	9	7.235	99.07%
Grey tiles	0	0	0	0	25	0	0	1	0	0	8.386	1	8.413	99.68%
Ceramic tiles	0	115	743	0	0	0	0	0	0	0	0	7.911	8.769	90.22%
Total	16.924	22.869	16.304	16.482	4.383	19.400	372.182	5.136	5.137	7.209	8.387	8.429	502.842	
Production accuracy	99.62%	99.31%	95.44%	99.39%	97.38%	76.13%	99.91%	99.98%	99.22%	99.43%	99.99%	93.85%	98.23%	

Overall accuracy 98.66% Kappa coefficient 96.94%

Supplementary Table S2. Supervised classification of the 25 districts in São Paulo city

Regional prefecture	Region	Map legend ¹	Urban forest	Grass/ herb	Green spaces	Bare soil	Water	Built spaces	Impervious surface	Population density	Contam. sites	GIP ²	GBP ³	Green index	Green quality
Pirituba	North	1	37.7	4.8	42.5	7.5	3.3	20.2	16.7	8407.2	5	0.72	0.68	0.70	High
Butantã	West	3	33.2	5.4	38.6	9.1	5.3	21.8	15.3	8072.8	15	0.72	0.64	0.68	High
Freguesia	North	2	34.6	2.3	36.9	6.1	3.0	20.4	21.4	12926.9	3	0.63	0.64	0.64	High
Santana	North	4	31.2	3.9	35.1	9.4	3.8	20.7	19.3	9111.0	6	0.65	0.63	0.64	High
Cidade Tiradentes	East	8	24.1	13.2	37.2	11.6	2.9	23.9	19.2	14658.0	0	0.66	0.61	0.63	High
São Mateus	East	7	24.1	10.8	34.9	9.5	3.0	25.4	19.7	9773.5	2	0.64	0.58	0.61	High
Itaquera	East	6	26.9	7.1	34.1	7.8	3.0	24.6	23.0	9827.2	11	0.60	0.58	0.59	High
Casa Verde	North	5	27.2	2.3	29.5	7.3	3.7	23.0	24.4	11235.5	10	0.55	0.56	0.55	High
Santo Amaro	South	9	23.4	4.2	27.6	8.3	5.8	23.7	21.6	6540.9	54	0.56	0.54	0.55	High
Pinheiros	West	11	20.8	3.2	24.0	7.5	8.5	20.1	20.7	9274.2	21	0.54	0.54	0.54	High
Campo Limpo	South	10	22.1	4.2	26.4	8.5	3.9	28.9	21.8	18296.2	4	0.55	0.48	0.51	High
Ipiranga	South	12	18.7	3.1	21.8	9.1	3.1	26.4	28.1	12656.5	34	0.44	0.45	0.45	Moderate
Vila Maria	North	13	15.0	2.7	17.6	9.1	7.3	23.3	25.3	10888.5	11	0.41	0.43	0.42	Moderate
Lapa	West	14	14.6	3.7	18.3	8.6	6.4	25.6	28.3	8049.0	63	0.39	0.42	0.41	Moderate
Penha	East	16	11.3	8.4	19.7	10.9	2.6	28.0	30.9	10821.5	8	0.39	0.41	0.40	Moderate
Guaianases	East	18	10.7	8.8	19.6	9.6	3.7	31.3	29.6	15151.9	2	0.40	0.38	0.39	Moderate
Jabaquara	South	15	13.6	2.4	16.1	8.9	5.5	28.7	26.9	15920.2	6	0.37	0.36	0.37	Moderate
São Miguel	East	20	8.5	6.7	15.2	9.3	2.7	31.8	33.8	14645.5	3	0.31	0.32	0.32	Moderate

Ermelino	East	17	11.0	4.3	15.3	8.9	1.4	32.4	34.2	13542.1	5	0.31	0.32	0.31	Moderate
Matarazzo															
Sé	Central	19	8.9	2.0	10.9	6.5	7.2	22.5	33.8	17537.3	21	0.24	0.33	0.29	Moderate
Aricanduva	East	21	8.2	3.6	11.8	12.0	4.3	29.7	33.0	12199.9	8	0.26	0.29	0.27	Moderate
Vila Mariana	South	22	8.1	3.2	11.3	11.1	3.4	28.6	36.6	13468.4	14	0.24	0.28	0.26	Moderate
Vila Prudente	East	23	7.9	2.8	10.6	9.6	4.6	29.4	34.6	12320.5	10	0.23	0.27	0.25	Moderate
Mooca	East	24	7.3	2.5	9.8	10.1	5.0	27.0	35.2	10222.8	66	0.22	0.27	0.24	Low
Itaim Paulista	East	25	6.2	4.4	10.6	9.3	3.3	34.3	36.3	17186.0	2	0.23	0.24	0.23	Low

¹ Map legend according to urban forest coverage rank

² GIP: Green vs. impervious surface proportion

³ GBP: Green vs. built space proportion