

Supplementary material

Accuracy matrices and related accuracy indices for the selected LULC classification approaches

Table S1: PB (top) and OO (bottom) confusion matrices for L8

Actual	Predicted							PA (%)
	Built-up	Ann. crops	Perm. crops	Grasslands	Woodlands	Rip. Veg.	Water	
Built-up	16	13	3	3	0	0	0	45.7
Ann. crops	1	95	39	17	0	2	0	61.7
Perm. crops	0	15	9	13	0	3	0	22.5
Grasslands	0	2	2	54	0	1	0	91.5
Woodlands	0	0	0	0	60	5	0	92.3
Rip. Veg.	0	0	0	0	0	17	0	100
Water	0	0	1	0	0	3	76	95.0
UA (%)	94.1	76.0	17.0	62.1	100	54.8	100	

Actual	Predicted							PA (%)
	Built-up	Ann. crops	Perm. crops	Grasslands	Woodlands	Rip. Veg.	Water	
Built-up	19	7	7	2	0	0	0	54.3
Ann. crops	3	83	44	16	0	8	0	53.9
Perm. crops	0	10	12	12	0	6	0	30.0
Grasslands	0	9	4	43	0	3	0	72.9
Woodlands	0	0	0	1	38	27	0	57.6
Rip. Veg.	0	0	0	0	0	17	0	100
Water	0	0	0	0	1	3	76	95.0
UA (%)	86.4	76.1	17.9	58.1	97.4	26.6	100	

Table S2: PB (top) and OO (bottom) confusion matrices for S2

Actual	Predicted							PA (%)
	Built-up	Ann. crops	Perm. crops	Grasslands	Woodlands	Rip. Veg.	Water	
Built-up	24	2	9	0	0	0	0	68.6
Ann. crops	4	138	5	5	0	2	0	89.6
Perm. crops	0	2	34	3	0	1	0	85.0
Grasslands	0	4	5	48	0	2	0	81.4
Woodlands	0	0	2	0	63	0	0	96.9
Rip. Veg.	0	0	3	1	8	5	0	29.4
Water	1	0	0	0	0	0	79	98.8
UA (%)	82.8	94.5	58.6	84.2	88.7	50.0	100	

Actual	Predicted							PA (%)
	Built-up	Ann. crops	Perm. crops	Grasslands	Woodlands	Rip. Veg.	Water	
Built-up	29	2	1	3	0	0	0	82.9
Ann. crops	1	141	4	8	0	0	0	91.6
Perm. crops	0	2	35	3	0	0	0	87.5
Grasslands	0	14	4	41	0	0	0	69.5
Woodlands	0	0	0	0	63	2	0	96.9
Rip. Veg.	0	0	0	1	3	13	0	76.5
Water	0	0	0	0	0	0	80	100
UA (%)	96.7	88.7	79.5	73.2	95.5	86.7	100	

Table S3: PB (top) and OO (bottom) confusion matrices for PS

Actual	Predicted							PA (%)
	Built-up	Ann. crops	Perm. crops	Grasslands	Woodlands	Rip. Veg.	Water	
Built-up	29	3	2	0	0	0	1	82.9
Ann. crops	19	87	29	16	1	2	0	56.5
Perm. crops	0	4	36	0	0	0	0	90.0
Grasslands	0	7	14	33	0	5	0	55.9
Woodlands	0	0	2	0	62	1	0	95.4
Rip. Veg.	0	0	5	1	4	7	0	41.2
Water	0	0	0	0	0	0	80	100
UA (%)	60.4	86.1	40.9	66.0	92.5	46.7	98.8	

Actual	Predicted							PA (%)
	Built-up	Ann. crops	Perm. crops	Grasslands	Woodlands	Rip. Veg.	Water	
Built-up	31	0	1	3	0	0	0	88.6
Ann. crops	6	95	34	17	1	1	0	61.7
Perm. crops	0	1	35	4	0	0	0	87.5
Grasslands	2	9	9	39	0	0	0	66.1
Woodlands	0	0	1	0	63	1	0	96.9
Rip. Veg.	0	0	5	0	3	9	0	52.9
Water	0	0	0	1	0	0	79	98.8
UA (%)	79.5	90.5	41.2	60.9	94.0	81.8	100	