

**Table S1.** Accuracy assessments of the classified images of the years 1990, 1995, 2000, 2010, 2015, and 2020.

Years	Reference data						Classified accuracy %	
	Classes	Urban	Vegetative	Water	Wet	Barren	Producer's accuracy	User's accuracy
1990	Urban	67	0	0	0	1	100	98.53
	Vegetative	0	21	1	0	1	100	91.30
	Water	0	0	17	0	1	94.44	94
	Wet	0	0	0	10	1	100	91
	Barren	0	0	0	0	385	98.97	100
	Overall accuracy (%)			99				
	Kappa coefficient			0.97				
1995	Urban	67	0	0	0	1	97.10	98.53
	Vegetative	0	25	0	0	0	96.15	100
	Water	0	1	25	1	1	100	89
	Wet	0	0	0	10	0	91	100
	Barren	2	0	0	0	372	99.47	99.47
	Overall accuracy (%)			98.81				
	Kappa coefficient			0.97				
2000	Urban	72	0	0	0	2	100.00	97.30
	Vegetative	0	11	0	0	0	91.67	100.00
	Water	0	0	11	0	0	100.00	100
	Wet	0	0	0	10	1	100.00	91
	Barren	0	1	0	0	400	99	99.75
	Overall accuracy (%)			99.2				
	Kappa coefficient			0.9				
2010	Urban	75	0	0	0	1	90.36	98.68
	Vegetative	2	14	0	0	1	93.33	82.35
	Water	0	0	13	0	0	86.67	100
	Wet	0	0	0	10	0	100	100
	Barren	6	1	2	0	383	99	97.70
	Overall accuracy (%)			97.44				
	Kappa coefficient			0.93				

2015	Urban	122	2	0	0	2	96.06	96.83
	Vegetative	3	14	1	0	0	87.50	77.78
	Water	0	0	12	0	0	85.71	100
	Wet	0	0	0	10	2	90.91	83.33
	Barren	2	0	1	1	336	99	98.82
	Overall accuracy (%)			98.22				
	Kappa coefficient			0.96				
2020	Urban	117	0	1	0	1	99.15	98.32
	Vegetative	0	16	0	0	2	94.12	89
	Water	0	0	10	0	1	90.91	91
	Wet	1	0	0	10	0	100	91
	Barren	0	1	0	0	352	99	99.72
	Overall accuracy (%)			98.88				
	Kappa coefficient			0.97				

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