

Supplementary materials Table S1

Accuracy assessment for each county

Confusion matrices of correctly and incorrectly classified sites across each of the five-counties in the focal region. Table S1 in the manuscript presents the summed values across each of these counties. Values represent the number of 3 m radius circles where the majority of classified cells matches (grey diagonal) or does not match (off diagonal cells) the actual land cover as determined from visually inspecting NAIP and VBMP imagery. Dec forest is deciduous and mixed forest, and EG forest is evergreen forest.

Smyth County:

		Reference									
		water	developed	barren	dec forest	EG forest	shrub	pasture	nk+	users%	
Prediction	water	20	3	2	1	0	0	1	27	0.74	
	developed	0	86	5	1	0	0	4	96	0.90	
	barren	0	11	67	0	0	0	1	79	0.85	
	dec forest	0	0	0	88	9	2	0	99	0.89	
	EG forest	0	0	0	8	90	1	0	99	0.91	
	shrub	0	0	0	4	0	68	3	75	0.91	
	pasture	0	1	4	3	0	6	85	99	0.86	
		n+k	20	101	78	105	99	77	94		574 n
		prod%	1.00	0.85	0.86	0.84	0.91	0.88	0.90		0.8780 overall Acc

Tazewell County:

		Reference									
		water	developed	barren	dec forest	EG forest	shrub	pasture	nk+	users%	
Prediction	water	16	0	0	0	0	0	0	16	1.00	
	developed	0	59	1	1	0	1	3	65	0.91	
	barren	0	3	54	1	0	3	6	67	0.81	
	dec forest	0	0	1	55	2	1	2	61	0.90	
	EG forest	0	0	0	10	64	0	1	75	0.85	
	shrub	0	0	1	5	1	57	2	66	0.86	
	pasture	0	0	0	1	0	3	62	66	0.94	
		n+k	16	62	57	73	67	65	76		416 n
		prod%	1.00	0.95	0.95	0.75	0.96	0.88	0.82		0.8822 overall Acc

Bland County:

		Reference									
		water	developed	barren	dec forest	EG forest	shrub	pasture	nk+	users%	
Prediction	water	19	0	0	1	0	1	0	21	0.90	
	developed	1	41	6	1	0	4	5	58	0.71	
	barren	0	3	77	1	0	3	7	91	0.85	
	dec forest	0	0	1	95	4	0	0	100	0.95	
	EG forest	0	0	0	7	81	1	0	89	0.91	
	shrub	0	0	1	0	0	54	2	57	0.95	
	pasture	0	0	0	0	0	0	100	100	1.00	
		n+k	20	44	85	105	85	63	114		516 n
		prod%	0.95	0.93	0.91	0.90	0.95	0.86	0.88		0.9050 overall Acc

Russell County:

		Reference									
		water	developed	barren	dec forest	EG forest	shrub	pasture	nk+	users%	
Prediction	water	44	4	0	0	0	0	0	48	0.92	
	developed	1	83	3	0	0	2	0	89	0.93	
	barren	0	2	70	0	0	0	9	81	0.86	
	dec forest	0	0	0	99	0	0	0	99	1.00	
	EG forest	0	0	0	29	66	2	0	97	0.68	
	shrub	0	1	0	0	0	87	1	89	0.98	
	pasture	0	0	1	0	0	0	97	98	0.99	
		n+k	45	90	74	128	66	91	107		601 n
		prod%	0.98	0.92	0.95	0.77	1.00	0.96	0.91		0.9085 overall Acc

Washington County (only NAIP imagery/no VBMP):

		Reference									
		water	developed	barren	dec forest	EG forest	shrub	pasture	nk+	users%	
Prediction	water	62	7	1	1	0	0	1	72	0.86	
	developed	0	98	1	0	0	2	0	101	0.97	
	barren	0	14	71	1	0	1	9	96	0.74	
	dec forest	0	0	0	96	4	0	0	100	0.96	
	EG forest	0	0	0	23	65	1	0	89	0.73	
	shrub	0	1	0	0	1	60	3	65	0.92	
	pasture	0	1	1	0	0	2	96	100	0.96	
		n+k	62	121	74	121	70	66	109		623 n
		prod%	1.00	0.81	0.96	0.79	0.93	0.91	0.88		0.8796 overall Acc