

Supplementary material

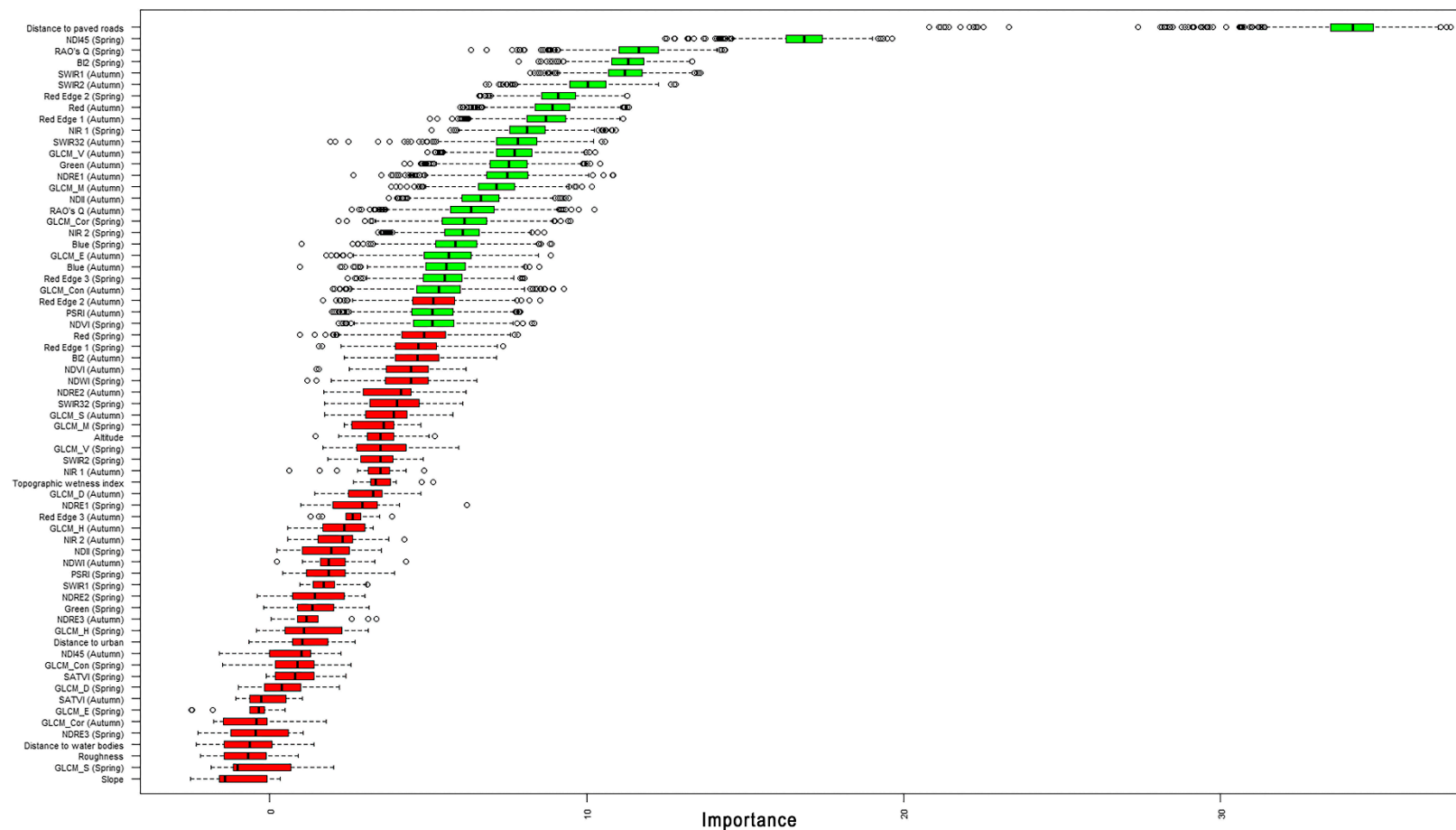


Figure S1. Variable explanation power as calculated by the Boruta feature selection algorithm. *Rejected* and *confirmed* features are evidenced by red and green boxplots, respectively. No *tentative* features were achieved.

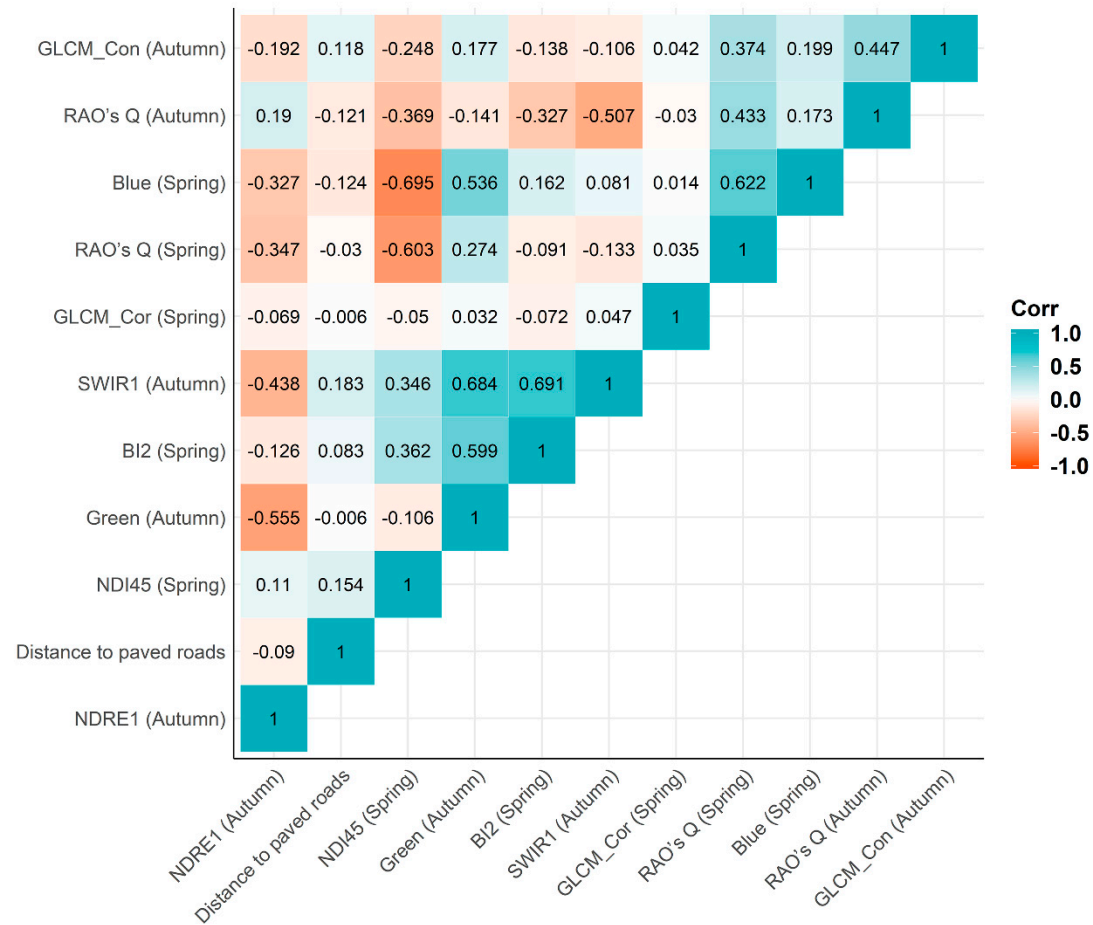


Figure S2. List of retained *confirmed* variables after the Boruta screening procedure, with pairwise correlation coefficients <|0.7|.

Table S1. Pairwise correlation scores between all *Confirmed* features. Correlations scores greater than 0.7 are signaled in bold.

	Blue (Spring)	Blue (Autumn)	Green (Autumn)	Red (Autumn)	NIR 1 (Spring)	BI2 (Spring)	NDI45 (Spring)	NDH (Autumn)	NDRE1 (Autumn)	NDVI (Spring)	PSRI (Autumn)	SWIR1 (Autumn)	Red Edge 1 (Autumn)	Red Edge 2 (Spring)	Red Edge 3 (Spring)	NIR 2 (Spring)	SWIR2 (Autumn)	GLCM_Con (Autumn)	GLCM_E (Autumn)	GLCM_M (Autumn)	GLCM_V (Autumn)	RAO's Q (Spring)	RAO's Q (Autumn)	Distance to paved roads	GLCM_Cor (Spring)	SWIR32 (Autumn)
Blue (Spring)	1.000	0.590	0.536	0.376	0.001	0.162	-0.695	-0.087	-0.327	-0.698	0.048	0.081	0.303	0.081	-0.004	-0.022	0.266	0.199	0.164	-0.191	-0.204	0.622	0.173	-0.124	0.014	0.565
Blue (Autumn)	0.590	1.000	0.985	0.926	0.485	0.552	-0.153	-0.395	-0.563	-0.123	0.515	0.643	0.850	0.516	0.472	0.449	0.764	0.152	0.036	-0.728	-0.738	0.292	-0.132	-0.024	0.030	0.693
Green (Autumn)	0.536	0.985	1.000	0.945	0.540	0.599	-0.106	-0.389	-0.555	-0.072	0.516	0.684	0.887	0.565	0.527	0.503	0.793	0.177	0.039	-0.774	-0.786	0.274	-0.141	-0.006	0.032	0.672
Red (Autumn)	0.376	0.926	0.945	1.000	0.596	0.623	0.014	-0.526	-0.572	0.076	0.736	0.801	0.920	0.605	0.575	0.563	0.846	0.051	0.003	-0.843	-0.848	0.134	-0.296	0.047	0.029	0.710
NIR 1 (Spring)	0.001	0.485	0.540	0.596	1.000	0.946	0.483	-0.192	-0.057	0.619	0.504	0.651	0.628	0.953	0.963	0.962	0.599	-0.194	-0.220	-0.728	-0.727	-0.182	-0.368	0.098	-0.064	0.168
BI2 (Spring)	0.162	0.552	0.599	0.623	0.946	1.000	0.362	-0.234	-0.126	0.502	0.458	0.691	0.689	0.982	0.975	0.974	0.669	-0.138	-0.178	-0.769	-0.773	-0.091	-0.327	0.083	-0.072	0.262
NDI45 (Spring)	-0.695	-0.153	-0.106	0.014	0.483	0.362	1.000	-0.183	0.110	0.883	0.181	0.346	0.127	0.432	0.469	0.485	0.193	-0.248	-0.273	-0.248	-0.242	-0.603	-0.369	0.154	-0.050	-0.261
NDH (Autumn)	-0.087	-0.395	-0.389	-0.526	-0.192	-0.234	-0.183	1.000	0.741	-0.064	-0.562	-0.721	-0.507	-0.253	-0.210	-0.219	-0.720	0.073	0.158	0.515	0.506	0.005	0.502	-0.218	-0.071	-0.435
NDRE1 (Autumn)	-0.327	-0.563	-0.555	-0.572	-0.057	-0.126	0.110	0.741	1.000	0.291	-0.276	-0.438	-0.572	-0.126	-0.084	-0.054	-0.568	-0.192	0.001	0.350	0.351	-0.347	0.190	-0.090	-0.069	-0.692
NDVI (Spring)	-0.698	-0.123	-0.072	0.076	0.619	0.502	0.883	-0.064	0.291	1.000	0.308	0.381	0.162	0.565	0.624	0.649	0.194	-0.334	-0.280	-0.331	-0.325	-0.653	-0.401	0.094	-0.073	-0.357
PSRI (Autumn)	0.048	0.515	0.516	0.736	0.504	0.458	0.181	-0.562	-0.276	0.308	1.000	0.716	0.618	0.473	0.449	0.471	0.641	-0.233	-0.102	-0.669	-0.672	-0.188	-0.555	0.140	0.013	0.199
SWIR1 (Autumn)	0.081	0.643	0.684	0.801	0.651	0.691	0.346	-0.721	-0.438	0.381	0.716	1.000	0.860	0.703	0.681	0.690	0.945	-0.106	-0.158	-0.934	-0.937	-0.133	-0.507	0.183	0.047	0.356
Red Edge 1 (Autumn)	0.303	0.850	0.887	0.920	0.628	0.689	0.127	-0.507	-0.572	0.162	0.618	0.860	1.000	0.681	0.658	0.639	0.898	0.083	-0.006	-0.903	-0.923	0.108	-0.303	0.080	0.038	0.562
Red Edge 2 (Spring)	0.081	0.516	0.565	0.605	0.953	0.982	0.432	-0.253	-0.126	0.565	0.473	0.703	0.681	1.000	0.989	0.986	0.666	-0.164	-0.212	-0.761	-0.766	-0.155	-0.364	0.101	-0.067	0.240
Red Edge 3 (Spring)	-0.004	0.472	0.527	0.575	0.963	0.975	0.469	-0.210	-0.084	0.624	0.449	0.681	0.658	0.989	1.000	0.995	0.628	-0.179	-0.217	-0.745	-0.747	-0.194	-0.359	0.090	-0.068	0.178
NIR 2 (Spring)	-0.022	0.449	0.503	0.563	0.962	0.974	0.485	-0.219	-0.054	0.649	0.471	0.690	0.639	0.986	0.995	1.000	0.627	-0.203	-0.226	-0.749	-0.748	-0.224	-0.376	0.097	-0.073	0.149
SWIR2 (Autumn)	0.266	0.764	0.793	0.846	0.599	0.669	0.193	-0.720	-0.568	0.194	0.641	0.945	0.898	0.666	0.628	0.627	1.000	-0.226	-0.103	-0.910	-0.920	0.060	-0.398	0.162	0.027	0.612
GLCM_Con (Autumn)	0.199	0.152	0.177	0.051	-0.194	-0.138	-0.248	0.073	-0.192	-0.334	-0.233	-0.106	0.083	-0.164	-0.179	-0.203	0.006	1.000	-0.727	0.109	0.061	0.374	0.447	0.118	0.042	0.255
GLCM_E (Autumn)	0.164	0.036	0.039	0.003	-0.220	-0.178	-0.273	0.158	0.001	-0.280	-0.102	-0.158	-0.006	-0.212	-0.217	-0.226	-0.103	-0.727	1.000	0.132	0.110	0.309	0.540	-0.089	-0.075	0.065
GLCM_M (Autumn)	-0.191	-0.728	-0.774	-0.843	-0.728	-0.769	-0.248	0.515	0.350	-0.331	-0.669	-0.934	-0.903	-0.761	-0.745	-0.749	-0.910	0.109	0.132	1.000	0.992	0.050	0.411	-0.100	-0.029	-0.393
GLCM_V (Autumn)	-0.204	-0.738	-0.786	-0.848	-0.727	-0.773	-0.242	0.506	0.351	-0.325	-0.672	-0.937	-0.923	-0.766	-0.747	-0.748	-0.920	0.061	0.110	0.992	1.000	0.037	0.398	-0.099	-0.025	-0.415
RAO's Q (Spring)	0.622	0.292	0.274	0.134	-0.182	-0.091	-0.603	0.005	-0.347	-0.653	-0.188	-0.133	0.108	-0.155	-0.194	-0.224	0.060	0.374	0.309	0.050	0.037	1.000	0.433	-0.030	0.035	0.469
RAO's Q (Autumn)	0.173	-0.132	-0.141	-0.296	-0.368	-0.327	-0.369	0.502	0.190	-0.401	-0.555	-0.507	-0.303	-0.364	-0.359	-0.376	-0.398	0.447	0.540	0.411	0.398	0.433	1.000	-0.121	-0.030	0.010
Distance to paved roads	-0.124	-0.024	-0.006	0.047	0.098	0.083	0.154	-0.218	-0.090	0.094	0.140	0.183	0.080	0.101	0.090	0.097	0.162	0.118	-0.089	-0.100	-0.099	-0.030	-0.121	1.000	-0.006	0.015
GLCM_Cor (Spring)	0.014	0.030	0.032	0.029	-0.064	-0.072	-0.050	-0.071	-0.069	-0.073	0.013	0.047	0.038	-0.067	-0.068	-0.073	0.027	0.042	-0.075	-0.029	-0.025	0.035	-0.030	-0.006	1.000	-0.025
SWIR32 (Autumn)	0.565	0.693	0.672	0.710	0.168	0.262	-0.261	-0.435	-0.692	-0.357	0.199	0.356	0.562	0.240	0.178	0.149	0.612	0.255	0.065	-0.393	-0.415	0.469	0.010	0.015	-0.025	1.000