

Supplementary Information

The Influence of Polarimetric Parameters and an Object-Based Approach on Land Cover Classification in Coastal Wetlands. *Remote Sens.* 2014, 6, 12575–12592

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Table 1. Summary of training and validation samples.

Class	Training		Validation	
	Plots	Pixels	Plots	Pixels
Sand	265	9272	205	7172
Dry land	261	9137	210	7352
Fish pond	296	10358	228	7978
Grassland	249	8718	198	6933
Irrigable land	292	10,224	215	7529
Paddy rice	269	9420	208	7285
River	230	8045	192	6715
Road	235	8221	189	6611
Sea	247	8651	202	7076
Wetland vegetation	223	7799	196	6854
Total	2567	89,845	2,043	71,505

Table 6. Confusion matrix of the proposed method without textural and geometric information (PWTG).

Classified Data	Reference Data										UA (%)	
	BS	DL	FP	GL	IL	PR	RI	RO	S	W		Total
BS	6054	279	0	0	594	0	0	245	0	0	7172	84.4
DL	315	6401	0	316	320	0	0	0	0	0	7352	87.1
FP	0	0	1120	0	0	280	874	0	5704	0	7978	14.0
GL	0	210	0	4550	280	560	0	421	0	912	6933	65.6
IL	0	248	0	280	6580	421	0	0	0	0	7529	87.4
PR	0	875	0	0	1187	5223	0	0	0	0	7285	71.7
RI	0	0	452	0	0	0	5424	0	839	0	6715	80.8
RO	524	0	0	0	0	0	0	6087	0	0	6611	92.1
S	0	0	247	0	0	0	876	0	5953	0	7076	84.1
W	0	0	0	1190	280	415	0	0	0	4969	6854	72.5
Total	6893	8013	1819	6336	9241	6899	7174	6753	12,496	5881	71,505	
PA (%)	87.8	79.9	61.6	71.8	71.2	75.7	75.6	90.1	47.6	84.5		
OA (%)	73.2											

Table 7. Confusion matrix of the proposed method using nearest neighbor classifier instead of decision tree algorithm (PNNC).

Classified Data	Reference Data										UA (%)	
	BS	DL	FP	GL	IL	PR	RI	RO	S	W		Total
BS	5704	1119	0	0	104	0	0	245	0	0	7172	79.5
DL	38	6161	0	209	944	0	0	0	0	0	7352	83.8
FP	0	0	5563	0	0	281	1855	0	279	0	7978	69.7
GL	0	268	0	4651	1045	273	0	382	0	314	6933	67.1
IL	0	109	0	375	6902	143	0	0	0	0	7529	91.7
PR	0	0	0	0	1367	5918	0	0	0	0	7285	81.2
RI	0	0	243	0	0	0	5493	0	979	0	6715	81.8
RO	766	0	0	0	0	0	0	5845	0	0	6611	88.4
S	0	0	74	0	0	0	1017	0	5985	0	7076	84.6
W	0	0	0	1348	177	0	0	0	0	5329	6854	77.8
Total	6508	7657	5880	6583	10,539	6615	8365	6472	7243	5643	71,505	
PA (%)	87.6	80.5	94.6	70.7	65.5	89.5	65.7	90.3	82.6	94.4		
OA (%)	80.5											