








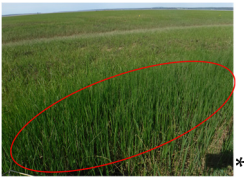










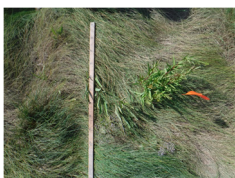





## Comparing pixel- and object-based approaches for classifying multispectral drone imagery of a coastal wetland restoration and reference site

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### Supplementary material

**Table S1.** Photographs of vegetative landcover classes taken in June, July, and August 2021 (\* indicates photographs taken in 2022).

Class Number	Class Name	June	July	August
5	<i>Spartina alterniflora</i> (muddy)			
6	<i>Spartina alterniflora</i> (clean, dense)			
7	<i>Spartina patens</i>			
12 & 15	<i>Spartina pectinata</i> and Dike vegetation (circled)			
13	<i>Spartina alterniflora</i> (clean, sparse)			
16	<i>Triglochin maritima</i>			
17	Mixed mid-elevation vegetation			

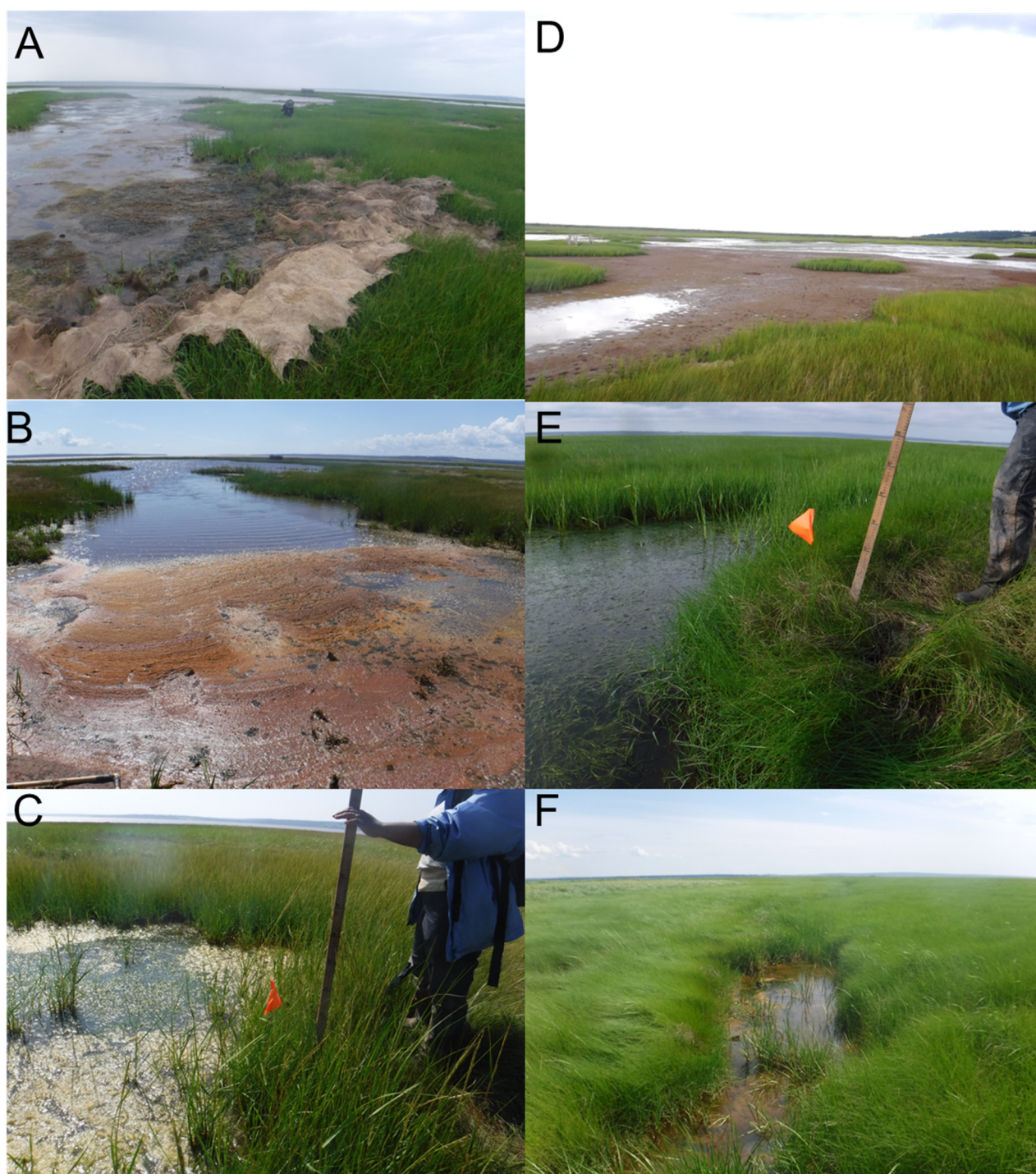
Class Number	Class Name	June	July	August
30	<i>S. alterniflora</i> and <i>S. patens</i> mixed			



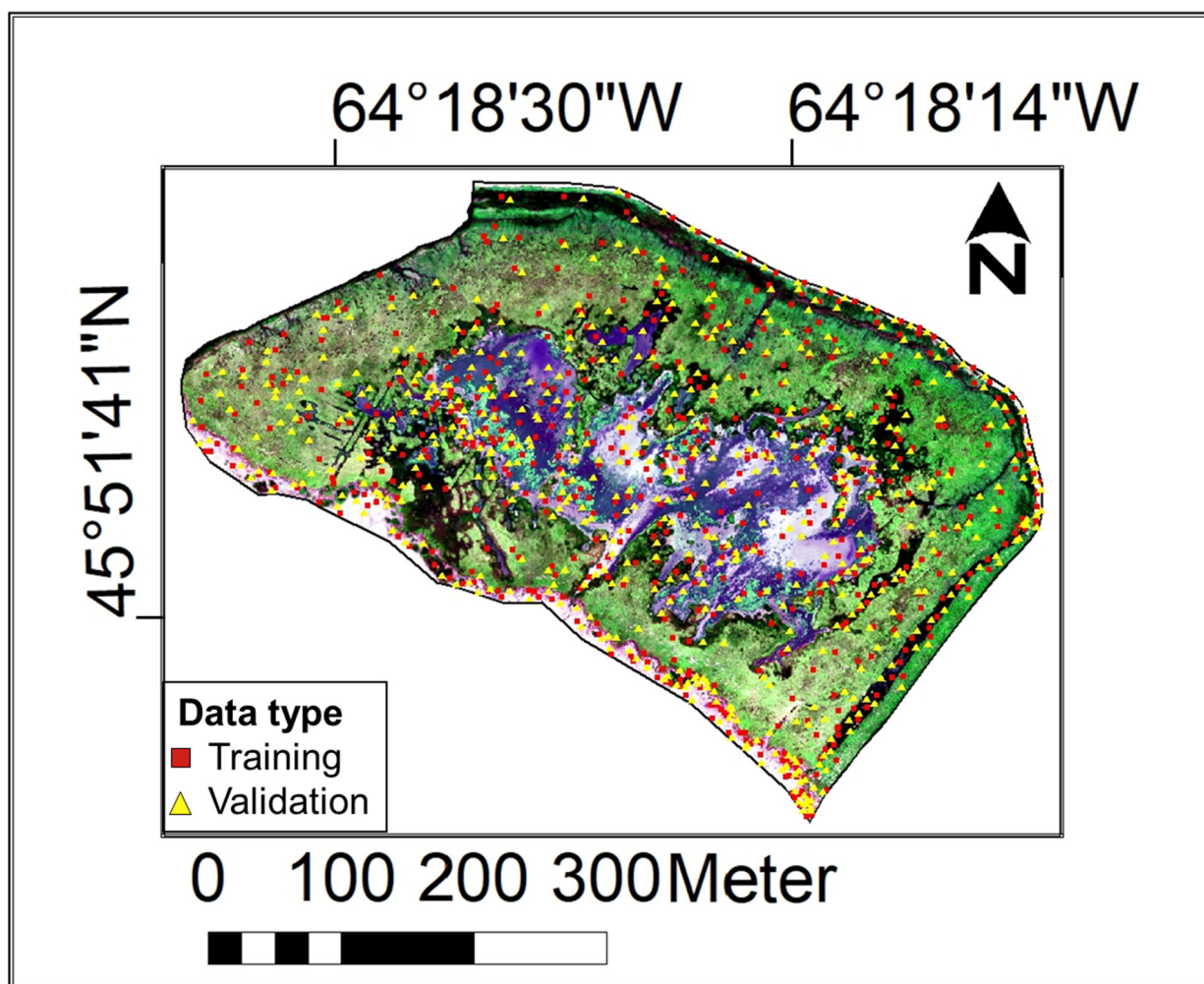


**Figure S1.** Photographs of the landcover classes A) bare mud exposed to air (Class 1), B) dark compacted soil (Class 2), C) rocks and wood (Classes 3 and 11, respectively), D) wrack (Class 4), and E) light compacted soil (Class 10). F) shows the erosion occurring on the seaward marsh edge. Photograph F was taken in the Aulac salt marsh Reference (Site A), and photographs A–E were taken in the Restoration (Site B). Photographs were taken on D) August 2021; A,E,C,F) July 2022, and B) August 2022.



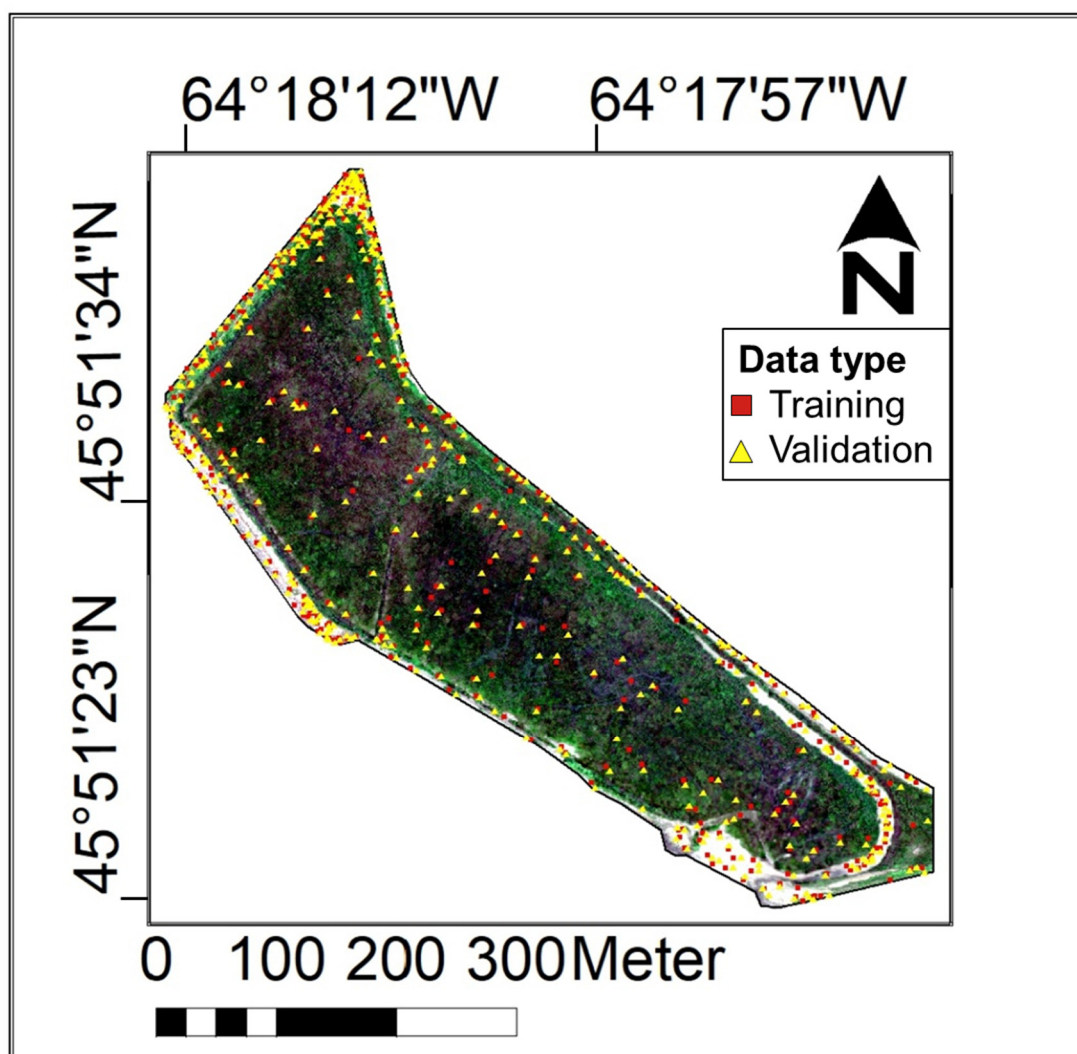


**Figure S2.** Photographs of landcover classes A) wrack and floating green algae (Classes 4 and 18, respectively), B) deep salt pool water and floating green algae (Classes 8 and 18, respectively), C) floating green algae (Class 18), D) emerged salt pool mud and shallow salt pool water (Classes 20 and 25, respectively), E) submerged aquatic vegetation (Class 21), and F) shallow salt pool water (Class 25). Photographs taken in the Aulac salt marsh Reference site (site A) showing the variability of salt pools. Photographs taken on E) June 2021; D) August 2021; A,B,F) July 2022; C) August 2022.



**Figure S3.** Map showing the spatial distribution of training and validation data points in the Reference site (Site A) for 2021. Training data points are represented by red squares and validation data points by yellow triangles.





**Figure S4.** Map showing the spatial distribtuion of training and validation data points in the Restoration site (Site B) for 2021. Training data points are represented by red squares and validation data points by yellow triangles.

**Table S2.** J-M distance values for the Reference site (Site A) landcover classes using 10 band multispectral imagery acquired in June, July, and August 2021. See Table 5 for class numbers and descriptions.

Month	Class #	1	2	3	4	5	6	7	8	9	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
June	2	1.96																							
	3	1.96	1.85																						
	4	2.00	2.00	2.00																					
	5	2.00	2.00	2.00	2.00																				
	6	2.00	2.00	2.00	2.00	2.00																			
	7	2.00	2.00	2.00	2.00	2.00	1.56																		
	8	2.00	2.00	2.00	2.00	2.00	2.00	2.00																	
	9	2.00	2.00	2.00	2.00	1.85	1.87	1.97	2.00																
	16	2.00	2.00	2.00	2.00	1.78	1.99	1.98	2.00	1.94															
	17	2.00	2.00	2.00	2.00	2.00	1.68	1.21	2.00	1.93	1.94														
	18	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00													
	19	1.96	2.00	1.95	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00												
	20	1.94	2.00	1.98	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.95											
	21	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.94	2.00	2.00									
	22	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.48	2.00	2.00	1.99								
	23	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.98	2.00	2.00	1.30	2.00							
	24	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	2.00	2.00	1.93	2.00	1.81						
	25	2.00	2.00	1.99	2.00	2.00	2.00	2.00	2.00	1.99	2.00	2.00	2.00	2.00	1.86	2.00	2.00	2.00	2.00	2.00					
	26	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.96	2.00	2.00	1.56	2.00	1.58	1.96	2.00				
	27	2.00	2.00	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.81	2.00	2.00	2.00	2.00	2.00	1.68	2.00			
28	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.72	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.96	2.00	2.00			
29	2.00	2.00	2.00	2.00	2.00	1.87	1.50	1.67	2.00	1.73	1.59	1.70	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00		
30	2.00	2.00	2.00	2.00	2.00	1.83	1.82	1.79	2.00	1.77	1.51	1.53	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.34
*Average: 1.96, Minimum: 1.21																									

Month	Class #	1	2	3	4	5	6	7	8	9	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
July	2	1.99																								
	3	1.98	1.90																							
	4	2.00	2.00	1.99																						
	5	2.00	2.00	2.00	2.00																					
	6	2.00	2.00	2.00	2.00	1.95																				
	7	2.00	2.00	2.00	2.00	1.98	1.26																			
	8	2.00	2.00	2.00	2.00	2.00	2.00	2.00																		
	9	2.00	2.00	1.96	2.00	1.70	1.95	1.95	2.00																	
	16	2.00	2.00	2.00	2.00	1.83	1.98	1.91	2.00	1.97																
	17	2.00	2.00	2.00	2.00	1.91	1.72	1.07	2.00	1.84	1.84															
	18	2.00	2.00	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00														
	19	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00													
	20	1.96	2.00	1.99	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00												
	21	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.64	2.00	2.00										
	22	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.48	2.00	2.00	1.65									
	23	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.76	2.00	2.00	1.87	1.51								
	24	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.18	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.98							
	25	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.96	2.00	2.00	2.00	2.00	2.00						
	26	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.97	2.00	2.00	1.94	1.93	1.95	2.00	1.95					
	27	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.77	2.00	2.00	1.68	1.54	1.90	2.00	2.00	1.94				
	28	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.51	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.58	2.00	2.00	2.00			
	29	2.00	2.00	1.99	2.00	1.43	1.72	1.69	2.00	2.00	1.87	1.63	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00		
	30	2.00	2.00	2.00	2.00	1.47	1.76	1.50	2.00	2.00	1.36	1.30	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.43	
*Average: 1.95, Minimum: 1.07																										
Month	Class #	1	2	3	4	5	6	7	8	9	16	17	18	19	20	21	22	23	24	25	26	27	28	29		
August	2	1.96																								



[illegible]

**Table S3.** J-M distance values for the Restoration site (Site B) landcover classes using 10 band multispectral imagery acquired in June, July, and August 2021. See Table 5 for class numbers and descriptions.

Month	Class #	1	2	3	4	5	6	7	8	9	10	11	12	13	14
June	2	1.96													
	3	2.00	1.99												
	4	2.00	2.00	2.00											
	5	2.00	2.00	2.00	2.00										
	6	2.00	2.00	2.00	2.00	1.61									
	7	2.00	2.00	2.00	2.00	1.92	1.92								
	8	2.00	1.99	2.00	2.00	2.00	2.00	2.00							
	9	1.99	1.99	1.99	2.00	1.97	1.98	2.00	2.00						
	10	1.99	2.00	1.78	2.00	2.00	2.00	2.00	2.00	2.00					
	11	2.00	2.00	1.98	1.99	2.00	2.00	2.00	2.00	2.00	1.99				
	12	2.00	2.00	2.00	2.00	2.00	1.93	1.58	2.00	2.00	2.00	2.00			
	13	1.99	2.00	2.00	2.00	1.97	1.80	1.91	2.00	1.96	2.00	2.00	1.99		
	14	2.00	2.00	2.00	2.00	1.88	1.46	1.92	2.00	1.96	2.00	2.00	1.88	1.92	
	15	2.00	2.00	2.00	2.00	2.00	1.99	1.94	2.00	2.00	2.00	2.00	1.77	2.00	1.98
*Average: 1.94, Minimum: 1.15															
Month	Class #	1	2	3	4	5	6	7	8	9	10	11	12	13	14
July	2	1.96													
	3	2.00	1.96												
	4	2.00	2.00	2.00											
	5	2.00	2.00	2.00	2.00										
	6	2.00	2.00	2.00	2.00	1.61									
	7	2.00	2.00	2.00	2.00	2.00	1.92								
	8	2.00	1.99	2.00	2.00	2.00	2.00	2.00							
	9	1.99	1.99	1.99	2.00	1.97	1.98	2.00	2.00						

	10	1.99	2.00	1.78	2.00	2.00	2.00	2.00	2.00	2.00	2.00					
	11	2.00	2.00	1.98	1.99	2.00	2.00	2.00	2.00	2.00	2.00	1.99				
	12	2.00	2.00	2.00	2.00	2.00	1.93	1.58	2.00	2.00	2.00	2.00	2.00			
	13	2.00	2.00	2.00	2.00	1.96	1.80	1.91	2.00	1.96	2.00	2.00	2.00	1.99		
	14	2.00	2.00	2.00	2.00	1.88	1.46	1.92	2.00	1.96	2.00	2.00	2.00	1.88	1.92	
	15	2.00	2.00	2.00	2.00	2.00	1.99	1.94	2.00	2.00	2.00	2.00	2.00	1.77	2.00	1.98
*Average: 1.97, Minimum: 1.46																
Month	Class #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
August	2	1.89														
	3	1.99	1.92													
	4	2.00	2.00	2.00												
	5	2.00	2.00	2.00	2.00											
	6	2.00	2.00	2.00	2.00	1.92										
	7	2.00	2.00	2.00	2.00	2.00	1.99									
	8	1.96	1.93	1.99	2.00	2.00	2.00	2.00								
	9	2.00	2.00	2.00	2.00	1.91	1.50	1.99	2.00							
	10	2.00	1.99	1.73	2.00	2.00	2.00	2.00	2.00	2.00						
	11	2.00	2.00	1.99	1.96	2.00	2.00	2.00	2.00	2.00	2.00					
	12	2.00	2.00	2.00	2.00	2.00	1.98	1.79	2.00	2.00	2.00	2.00				
	13	2.00	1.97	2.00	2.00	1.97	1.83	1.99	2.00	1.75	2.00	2.00	2.00			
	14	2.00	2.00	2.00	1.36	2.00	2.00	2.00	2.00	2.00	2.00	1.98	2.00	2.00		
	15	2.00	2.00	2.00	2.00	2.00	2.00	1.99	1.82	2.00	1.99	2.00	2.00	1.72	1.99	2.00
	*Average: 1.97, Minimum: 1.37															



**Table S4.** Confusion matrix (in pixels [PB] or objects [OB]) and associated out-of-bag or validation accuracies when applying the Random Forest classifier to all the input variables (raw reflectances, vegetation indices, and textural features) of the imagery acquired in Aulac Reference site(Site A) in June, July, and August 2021. UA = User's Accuracy (%), EC = Error of Commission (%), PA = Producer's Accuracy (%), EO = Error of Omission (%), AA = Average Accuracy (%), OA = Overall Accuracy (%), KC = Kappa Coefficient. Bold figures indicate well-classified pixels. See Table 5 for landcover class numbers and descriptions.

Approach		Out-of-bag training data																													
	Class	1	2	3	4	5	6	7	8	9	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total	UA	EC			
PB	Classified image	1	996	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	996	100.0	0.0		
		2	0	375	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	375	100.0	0.0		
		3	0	0	225	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	225	100.0	0.0		
		4	0	0	0	736	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	736	100.0	0.0		
		5	0	0	0	0	1472	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1472	100.0	0.0		
		6	0	0	0	0	0	745	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	745	100.0	0.0		
		7	0	0	0	0	0	0	1500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1500	100.0	0.0		
		8	0	0	0	0	0	0	0	495	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	495	100.0	0.0		
		9	0	0	0	0	0	0	0	0	407	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	407	100.0	0.0		
		16	0	0	0	0	0	0	0	0	0	723	0	0	0	0	0	0	0	0	0	0	0	0	0	0	723	100.0	0.0		
		17	0	0	0	0	0	0	0	0	0	0	661	0	0	0	0	0	0	0	0	0	0	0	0	0	661	100.0	0.0		
		18	0	0	0	0	0	0	0	0	0	0	0	489	0	0	0	0	0	0	0	0	0	0	0	0	489	100.0	0.0		
		19	0	0	0	0	0	0	0	0	0	0	0	0	366	0	0	0	0	0	0	0	0	0	0	0	366	100.0	0.0		
		20	0	0	0	0	0	0	0	0	0	0	0	0	0	375	0	0	0	0	0	0	0	0	0	0	375	100.0	0.0		
		21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	381	0	0	0	0	0	0	0	0	0	381	100.0	0.0		
		22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	400	0	0	0	0	0	0	0	0	0	400	100.0	0.0		
		23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	375	0	0	0	0	0	0	0	0	375	100.0	0.0		
		24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	275	0	0	0	0	0	0	0	275	100.0	0.0		
		25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	152	0	0	0	0	0	152	100.0	0.0		
		26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	260	0	0	0	0	260	100.0	0.0		
		27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	250	0	0	0	250	100.0	0.0		

		28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	250	0	0	250	100.0	0.0
		29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	407	0	407	100.0	0.0
		30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1246	1246	100.0	0.0
		Total	996	375	225	736	1472	745	1500	495	407	723	661	489	366	375	381	400	375	275	152	260	250	250	407	1246	13386	AA	100.0
		PA	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		OA	100.0
		EO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		Kappa	100.0
Approach		Out-of-bag training data																											
	OB	Class	1	2	3	4	5	6	7	8	9	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total	UA	EC
1		40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	100.0	0.0	
2		0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	100.0	0.0	
3		0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	100.0	0.0	
4		0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	100.0	0.0	
5		0	0	0	0	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	100.0	0.0	
6		0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	100.0	0.0	
7		0	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	100.0	0.0	
8		0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	100.0	0.0	
9		0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	100.0	0.0	
16		0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	100.0	0.0	
17		0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	30	100.0	0.0	
18		0	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	21	100.0	0.0	
19		0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	15	100.0	0.0	
20		0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	15	100.0	0.0	
21		0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	15	100.0	0.0	
22		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	16	100.0	0.0	
23		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	15	100.0	0.0	
24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	11	100.0	0.0	
25		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	5	100.0	0.0

		26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	10	100.0	0.0	
		27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	10	100.0	0.0	
		28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	100.0	0.0	
		29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	18	100.0	0.0	
		30	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	53	98.1	1.9	
		Total	40	15	10	30	60	30	60	20	10	30	30	21	15	15	15	16	15	11	5	10	10	10	18	52	548	AA	100.0	
		PA	100.0	100.0	100.0	100.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		OA	100.0		
		EO	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		Kappa	100.0	
Approach		Validation data																												
PB	Classified image	Class	1	2	3	4	5	6	7	8	9	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total	UA	EC	
		1	39	0	0	1	0	0	0	0	0	0	0	0	1	2	0	2	0	0	0	0	0	0	0	0	45	86.7	13.3	
		2	1	13	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	100.0	0.0	
		3	0	2	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	80.0	20.0	
		4	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	100.0	0.0	
		5	0	0	0	0	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	57	98.2	1.8	
		6	0	0	0	0	0	28	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	32	87.5	12.5	
		7	0	0	0	0	0	1	55	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	59	93.2	6.8	
		8	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	100.0	0.0	
		9	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	100.0	0.0	
		16	0	0	0	0	3	0	0	0	0	28	1	0	0	0	0	0	0	0	0	0	0	0	0	5	37	75.7	24.3	
		17	0	0	0	0	0	0	1	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	26	96.2	3.8	
		18	0	0	0	0	0	0	0	0	0	0	0	19	0	0	1	0	0	0	0	0	0	0	0	0	20	95.0	5.0	
		19	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	14	100.0	0.0	
		20	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	13	100.0	0.0	
		21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	1	0	0	0	0	15	93.3	6.7	
		22	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	13	0	0	0	0	0	0	0	0	14	92.9	7.1	
		23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	15	100.0	0.0	



		24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	10	100.0	0.0
		25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	5	100.0	0.0
		26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	9	100.0	0.0
		27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	9	100.0	0.0
		28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	9	0	0	10	90.0	10.0
		29	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	16	93.8	6.3
		30	0	0	0	0	0	1	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	42	47	89.4	10.6
		Total	40	15	10	30	60	30	60	20	9	30	30	20	20	15	15	15	15	15	10	5	10	10	15	50	538	AA	93.9
		PA	97.5	86.7	80.0	96.7	93.3	93.3	91.7	100.0	100.0	93.3	83.3	100.0	95.0	93.3	86.7	93.3	86.7	100.0	100.0	100.0	90.0	90.0	100.0	84.0		OA	92.4
		EO	2.5	13.3	20.0	3.3	6.7	6.7	8.3	0.0	0.0	6.7	16.7	0.0	5.0	6.7	13.3	6.7	13.3	0.0	0.0	0.0	10.0	10.0	0.0	16.0		Kappa	91.9
Approach		Validation data																											
	Class	1	2	3	4	5	6	7	8	9	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total	UA	EC	
OB	Classified image	1	37	0	0	1	0	0	0	0	0	0	1	0	1	3	0	0	0	0	0	0	0	0	0	0	42	88.1	11.9
		2	1	12	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	100.0	0.0
		3	0	3	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	75.0	25.0
		4	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	30	96.7	3.3
		5	0	0	0	0	57	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	59	96.6	3.4
		6	0	0	0	0	0	28	4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	35	80.0	20.0
		7	0	0	0	0	0	0	53	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	56	94.6	5.4
		8	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	100.0	0.0
		9	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	100.0	0.0
		16	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	3	31	83.9	16.1
		17	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	0	26	92.3	7.7
		18	0	0	0	0	0	0	0	0	0	0	0	19	0	0	1	0	0	0	0	0	0	0	0	0	20	95.0	5.0
		19	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	14	100.0	0.0
		20	2	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	14	85.7	14.3
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	1	0	0	0	0	14	92.9	7.1		

		22	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	14	0	0	0	0	0	0	0	0	15	93.3	6.7
		23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	15	0	0	0	0	0	0	0	16	93.8	6.3
		24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	10	0	0	0	0	0	0	11	90.9	9.1
		25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	5	100.0	0.0
		26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	9	100.0	0.0
		27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	9	100.0	0.0
		28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	10	0	0	11	90.9	9.1
		29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0	14	100.0	0.0
		30	0	0	0	0	0	1	2	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	0	44	53	83.0	17.0
		Total	40	15	10	30	60	30	60	20	10	30	30	20	15	15	15	15	15	10	5	10	10	10	15	50	540	AA	92.4
		PA	92.5	80.0	90.0	96.7	95.0	93.3	88.3	100.0	90.0	86.7	80.0	95.0	93.3	80.0	86.7	93.3	100.0	100.0	100.0	90.0	90.0	100.0	93.3	88.0		OA	91.1
		EO	7.5	20.0	10.0	3.3	5.0	6.7	11.7	0.0	10.0	13.3	20.0	5.0	6.7	20.0	13.3	6.7	0.0	0.0	0.0	10.0	10.0	0.0	6.7	12.0		Kappa	91.9

**Table S5.** Confusion matrix (in pixels [PB] or objects [OB]) and associated out-of-bag or validation accuracies when applying the Random Forest classifier to all the input variables (raw reflectances, vegetation indices, textural features) of the imagery acquired in Aulac Restoration site (Site B) in June, July, and August 2021. UA = User's Accuracy (%), EC = Error of Commission (%), PA = Producer's Accuracy (%), EO = Error of Omission (%), AA = Average Accuracy (%), OA = Overall Accuracy (%), KC = Kappa Coefficient. Bold figures indicate well-classified pixels. See Table 5 for landcover class numbers and descriptions.

Approach	Out-of-bag training data																				
PB	Classified image	Class	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	UA	EC	
		1	752	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	753	99.9	0.1
		2	0	775	0	0	0	0	0	0	0	0	0	0	0	0	0	0	775	100.0	0.0
		3	0	0	626	0	0	0	0	0	0	2	0	0	0	0	0	0	628	100.0	0.0
		4	0	0	0	795	0	0	0	0	0	0	0	0	0	0	0	0	795	99.6	0.4
		5	0	0	0	0	1118	0	0	0	0	0	0	0	0	0	0	0	1118	100.0	0.0
		6	0	0	0	0	0	1000	0	0	0	0	0	0	0	0	0	0	1000	100.0	0.0
		7	0	0	0	0	0	0	886	0	0	0	0	0	0	0	0	0	886	100.0	0.0
		8	0	0	0	0	0	0	0	459	0	0	0	0	0	0	0	0	459	100.0	0.0
		9	0	0	0	0	0	0	0	0	0	375	0	0	0	0	0	0	366	100.0	0.0
		10	0	0	0	0	0	0	0	0	0	0	1253	0	0	0	0	0	1253	100.0	0.0
		11	0	0	0	1	0	0	0	0	0	0	0	251	0	0	0	0	252	99.6	0.4
		12	0	0	0	0	0	0	0	0	0	0	0	0	491	0	0	2	491	99.6	0.4
		13	0	0	0	0	0	0	0	0	0	0	0	0	0	955	0	0	955	100.0	0.0
		14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	366	0	366	100.0	0.0
		15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	870	870	100.0	0.0
		Total	752	776	626	796	1118	1000	886	459	375	1255	251	491	955	366	872	10976	AA	99.9	
		PA	100.0	99.9	100.0	99.9	100.0	100.0	100.0	100.0	100.0	99.8	100.0	100.0	100.0	100.0	99.8		OA	99.9	
		EO	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2		KC	99.9	
Approach	Out-of-bag training data																				
OB	Class	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	UA	EC		
	1	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	100.0	0.0		



	Classified image	2	0	<b>31</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	31	100.0	0.0
		3	0	0	<b>30</b>	0	0	0	0	0	0	0	0	0	0	0	0	30	100.0	0.0
		4	0	0	0	<b>32</b>	0	0	0	0	0	0	0	0	0	0	0	32	100.0	0.0
		5	0	0	0	0	<b>40</b>	0	0	0	0	0	0	0	0	0	0	40	100.0	0.0
		6	0	0	0	0	0	<b>40</b>	0	0	0	0	0	0	0	0	0	40	100.0	0.0
		7	0	0	0	0	0	0	<b>35</b>	0	0	0	0	0	0	0	0	35	100.0	0.0
		8	0	0	0	0	0	0	0	<b>19</b>	0	0	0	0	0	0	0	19	100.0	0.0
		9	0	0	0	0	0	0	0	0	<b>15</b>	0	0	0	0	0	0	15	100.0	0.0
		10	0	0	0	0	0	0	0	0	0	<b>41</b>	0	0	0	0	0	41	100.0	0.0
		11	0	0	0	0	0	0	0	0	0	0	<b>20</b>	0	0	0	0	20	100.0	0.0
		12	0	0	0	0	0	0	0	0	0	0	0	<b>19</b>	0	0	0	19	100.0	0.0
		13	0	0	0	0	0	0	0	0	0	0	0	0	<b>38</b>	0	0	38	100.0	0.0
		14	0	0	0	0	0	0	0	0	0	0	0	0	0	<b>15</b>	0	15	100.0	0.0
		15	0	0	0	0	0	0	0	0	0	0	0	1	0	0	<b>35</b>	36	97.2	2.8
		Total	30	31	30	32	40	40	35	19	15	41	20	20	38	15	35	441	AA	99.7
		PA	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.0	100.0	100.0	100.0		OA	99.8
		EO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0		KC	99.8
Approach		Validation data																		
PB	Classified image	Class	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	UA	EC
		1	<b>30</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	100.0	0.0
		2	0	<b>29</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	29	100.0	0.0
		3	0	1	<b>28</b>	0	0	0	0	0	0	1	0	0	0	0	0	30	93.3	6.7
		4	0	0	0	<b>28</b>	0	0	0	0	0	1	0	0	0	0	0	29	96.6	3.4
		5	0	0	0	0	<b>40</b>	0	0	0	0	0	0	0	0	0	0	40	100.0	0.0
		6	0	0	0	0	0	<b>38</b>	2	0	0	0	0	0	0	0	1	41	92.7	7.3
		7	0	0	0	0	0	1	<b>32</b>	0	0	0	0	0	0	0	0	33	97.0	3.0
		8	0	0	0	0	0	0	0	<b>20</b>	0	0	0	0	0	0	0	20	100.0	0.0

		9	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	13	100.0	0.0	
		10	0	0	2	1	0	0	0	0	0	38	0	0	0	0	0	41	92.7	7.3	
		11	0	0	0	1	0	0	0	0	0	0	20	0	0	0	0	21	95.2	4.8	
		12	0	0	0	0	0	0	0	0	0	0	0	15	0	0	1	16	93.8	6.2	
		13	0	0	0	0	0	0	1	0	2	0	0	0	40	0	0	43	93.0	7.0	
		14	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	15	100.0	0.0	
		15	0	0	0	0	0	1	0	0	0	0	0	5	0	0	32	38	84.2	15.8	
		Total	30	30	30	30	40	40	35	20	15	40	20	20	40	15	34	439	AA	95.5	
		PA	100.0	96.7	93.3	93.3	100.0	95.0	91.4	100.0	86.7	95.5	100.0	75.0	100.0	100.0	94.1		OA	95.2	
		EO	0.0	3.3	6.7	6.7	0.0	5.0	8.6	0.0	13.3	5.0	0.0	25.0	0.0	0.0	5.9		KC	94.8	
Approach		Validation data																			
OB	Classified image	Class	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	UA	EC	
		1	30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	96.8	3.2
		2	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	100.0	0.0
		3	0	3	30	0	0	0	0	0	0	1	0	0	0	0	0	0	34	88.2	11.8
		4	0	0	0	28	0	0	0	0	0	1	0	0	0	0	0	0	29	96.6	3.4
		5	0	0	0	0	40	4	0	0	0	0	0	0	0	0	0	0	44	90.9	9.1
		6	0	0	0	0	0	33	3	0	0	0	0	0	1	0	1	38	86.8	13.2	
		7	0	0	0	0	0	1	31	0	0	0	0	0	0	0	0	1	33	93.9	6.1
		8	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	20	100.0	0.0
		9	0	0	0	0	0	0	0	0	13	0	0	0	1	0	0	14	92.9	7.1	
		10	0	0	0	1	0	0	0	0	0	38	0	0	0	0	0	39	97.4	2.6	
		11	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	20	100.0	0.0	
		12	0	0	0	0	0	0	0	0	0	0	0	16	0	0	1	17	94.1	5.9	
		13	0	0	0	0	0	1	1	0	2	0	0	0	38	0	0	42	90.5	9.5	
		14	0	0	0	1	0	0	0	0	0	0	0	0	0	15	0	16	93.8	6.2	
		15	0	0	0	0	0	1	0	0	0	0	0	4	0	0	32	37	86.5	13.5	

		Total	30	30	30	30	40	40	35	20	15	40	20	20	40.0	15	35	440	AA	93.6
		PA	100.0	86.7	100.0	93.3	100.0	82.5	88.6	100.0	86.7	95.0	100.0	80.0	95.0	100.0	91.4		OA	93.2
		EO	0.0	13.3	0.0	6.7	0.0	17.5	11.4	0.0	13.3	5.0	0.0	20.0	5.0	0.0	8.6		KC	92.6

**Table S6.** Input variables (raw reflectance, vegetation indices, textural features) of the Reference site (Site A) ranked according to mean decrease in accuracy computed by PB and OB Random Forest classifications applied to the 2021 multi-temporal image. Textural features include the reflectance band and name of the formula (Table 4) they were calculated with. Each input variable is followed by the month of the imagery that it was extracted from.

Rank	PB	OB
1	RedEdge717Mean_August	RedEdge740Mean_July
2	Green560Mean_July	Red668_August
3	Red668Mean_August	Red668Mean_August
4	RedEdge705Mean_August	Green531_August
5	Green560Mean_August	NIR842_July
6	Green560AngCorrelation_August	NNIR-1_July
7	Green531Mean_August	Red650Mean_August
8	Green531AngCorrelation_August	RedEdge705Mean_August
9	Red650Mean_August	RedEdge717Mean_August
10	RedEdge717_August	Green560_August
11	NDVI.2_June	RedEdge717_August
12	RedEdge717AngCorrelation_June	NIR842Mean_July
13	NR.2_June	Green560Mean_August
14	RedEdge705_August	GNDVI-2_July
15	Green531_July	NG-2_July
16	Blue444Mean_June	RedEdge705_August
17	NDAVI.1_June	RedEdge740_July
18	Red668Mean_June	NDVI-2_June
19	RVI.2_June	Green531Mean_August
20	Red668_August	Red668_July
21	Green531Mean_July	RERVI-1_June
22	Green531AngCorrelation_July	NG-1_July
23	RedEdge740Mean_July	Red650_August
24	Blue475Mean_June	Blue475_August
25	RedEdge717AngCorrelation_July	NR-2_June
26	Green560AngCorrelation_July	NR-1_June
27	DVI.2_June	RERVI-2_June
28	RedEdge740Mean_June	RERVI-2_July
29	Red668Mean_July	RVI-2_June
30	RedEdge717St.Dev_June	NDRE-1_June
31	NDAVI.2_June	NDRE-2_June
32	Green560_July	NDVI-2_July
33	RedEdge740AngCorrelation_June	Red668Mean_July
34	NNIR.2_June	GRVI-1_July
35	Green560Mean_June	Blue444Mean_August
36	Green560_August	GNDVI-1_July
37	NR.1_June	GRVI-2_June
38	RedEdge705Mean_June	NDAVI-2_August
39	NIR842Mean_July	NR-2_July
40	Red650Mean_June	NR-1_July
41	Green560AngCorrelation_June	RVI-1_June
42	Red668Entropy_August	GRVI-2_July
43	NIR842AngCorrelation_June	NDVI-1_June
44	Green531AngCorrelation_June	RERVI-1_July
45	NNIR.1_June	WAVI-2_July

46	Blue475AngCorrelation_August	GNDVI-2_June
47	RedEdge717Mean_July	NDVI-1_July
48	Green531_August	NNIR-1_June
49	Blue444Mean_August	NDAVI-1_July
50	Red668GLDVEntropy_June	NNIR-2_June
51	Green531Mean_June	RVI-2_July
52	DVI.1_June	Blue475Mean_August
53	Red668Ang2ndMoment_June	Blue475_July
54	Red668_June	NG-2_August
55	RedEdge717Mean_June	NDRE-2_July
56	Blue475Mean_August	NDAVI-1_August
57	Red650AngCorrelation_June	WAVI-1_August
58	Red650_August	RVI-1_July
59	RedEdge705AngCorrelation_August	WAVI-1_July
60	RedEdge717AngCorrelation_August	Blue444_July
61	Red668Contrast_June	NIR842_August
62	RVI.1_June	DVI-1_June
63	Red668_July	GDVI-2_July
64	Red668Homogeneity_June	Blue444Mean_July
65	Green560St.Dev_July	DVI-2_June
66	NDVI.1_June	GRVI-1_August
67	NIR842Mean_June	GDVI-1_July
68	Green560Contrast_June	RERVI-1_August
69	Red668St.Dev_July	NNIR-2_July
70	RedEdge705AngCorrelation_June	Blue444_August
71	Red668Contrast_July	NDRE-1_July
72	Red668AngCorrelation_June	Green560Mean_July
73	NR.2_August	NDRE-3_August
74	WAVI.2_August	Red650Mean_July
75	NIR842AngCorrelation_July	NDAVI-2_June
76	Green531St.Dev_July	GDVI-2_June
77	Red650Mean_July	NDVI-2_August
78	Red668AngCorrelation_July	RedEdge740Mean_August
79	Green531Ang2ndMoment_July	NDRE-3_June
80	Red668Dissimilarity_June	NIR842Mean_August
81	RedEdge740AngCorrelation_August	DVI-1_August
82	RERVI.1_June	NR-2_August
83	GNDVI.2_June	DVI-1_July
84	Blue444Ang2ndMoment_June	Green531_July
85	NDRE.1_June	RERVI-3_June
86	Red668GLDVAng2ndMoment_July	DVI-2_July
87	Green531Contrast_June	RERVI-3_August
88	GRVI.2_June	GRVI-1_June
89	Red650_June	Red668Ang2ndMoment_August
90	RedEdge717St.Dev_July	NDRE-3_July
91	Green531_June	Red668Mean_June
92	Blue444St.Dev_July	NIR842_June
93	Red668GLDVAng2ndMoment_June	RedEdge717_July
94	GNDVI.1_June	RERVI-3_July
95	Blue444_June	NG-2_June
96	Green531Homogeneity_August	RVI-2_August

97	Green560GLDVAng2ndMoment_July	NR-1_August
98	Green560GLDVEntropy_June	RERVI-2_August
99	Green531Contrast_July	Green560_July
100	Green560Entropy_July	NDAVI-1_June
101	RedEdge740Ang2ndMoment_June	Blue475Mean_July
102	RedEdge717GLDVEntropy_July	GNDVI-1_August
103	Red650Ang2ndMoment_June	NDRE-2_August
104	Blue475AngCorrelation_July	DVI-2_August
105	RedEdge717Contrast_June	GDVI-2_August
106	Green531Entropy_July	GRVI-2_August
107	Green531GLDVAng2ndMoment_August	NDAVI-2_July
108	RERVI.3_August	Red668Entropy_August
109	Green531GLDVEntropy_July	Green560AngCorrelation_August
110	GRVI.1_June	Green531AngCorrelation_August
111	Green531Contrast_August	NDVI-1_August
112	RedEdge740Ang2ndMoment_August	GDVI-1_August
113	Red650AngCorrelation_July	RedEdge717Mean_July
114	RedEdge705Ang2ndMoment_June	NIR842Mean_June
115	NDVI.2_August	GNDVI-1_June
116	RedEdge717_June	WAVI-2_June
117	Red668St.Dev_June	Red668_June
118	NIR842_July	GNDVI-2_August
119	Red650Contrast_June	Blue475_June
120	Green531Dissimilarity_August	Green531Mean_July
121	NIR842AngCorrelation_August	RedEdge740Mean_June
122	RedEdge717_July	Red650_June
123	Green531GLDVEntropy_August	GDVI-1_June
124	Red668St.Dev_August	NDRE-1_August
125	Green560Contrast_July	WAVI-1_June
126	Green531GLDVAng2ndMoment_July	Blue444Mean_June
127	Red668Dissimilarity_July	Red650Ang2ndMoment_August
128	RedEdge717Entropy_June	Blue444_June
129	Green560Homogeneity_July	Red668Homogeneity_August
130	RedEdge717Ang2ndMoment_June	NG-1_June
131	Green560GLDVEntropy_July	Red668GLDVAng2ndMoment_August
132	RedEdge705Mean_July	RedEdge705_June
133	RedEdge717Contrast_July	Red650_July
134	RedEdge740Mean_August	RedEdge740_June
135	Blue475AngCorrelation_June	NG-1_August
136	RedEdge705Entropy_June	Blue475Mean_June
137	Blue444_August	RedEdge705_July
138	Red650Ang2ndMoment_August	RVI-1_August
139	Red650St.Dev_July	RedEdge740_August
140	Blue475Contrast_June	NNIR-1_August
141	RedEdge705_June	NNIR-2_August
142	Red650Entropy_August	Red668St.Dev_August
143	Green560Ang2ndMoment_July	Green531_June
144	NIR842GLDVEntropy_June	RedEdge705Mean_July
145	Red668GLDVAng2ndMoment_August	Red650Homogeneity_August
146	Red668GLDVEntropy_August	Red650Mean_June
147	RedEdge705Contrast_July	Red668AngCorrelation_June



148	Green560Homogeneity_August	Red650Entropy_August
149	Blue444Entropy_June	Red668Dissimilarity_August
150	Blue475GLDVEntropy_July	RedEdge705AngCorrelation_August
151	Red668GLDVEntropy_July	RedeEdge717_June
152	RedEdge740_June	Red650GLDVEntropy_August
153	RedEdge740GLDVAng2ndMoment_June	Green560_June
154	RedEdge740Homogeneity_June	RedEdge705Mean_June
155	RERVI.3_June	Red668GLDVEntropy_August
156	NG.2_June	Green560Mean_June
157	Red650GLDVEntropy_June	Green531Mean_June
158	NIR842Homogeneity_July	Red650GLDVAng2ndMoment_August
159	Red650Dissimilarity_June	Red650AngCorrelation_June
160	Green560Ang2ndMoment_June	Red650Dissimilarity_August
161	Green531Homogeneity_July	RedEdge717Mean_June
162	Green531Dissimilarity_July	RedEdge717AngCorrelation_June
163	Green560Dissimilarity_June	Red668Contrast_August
	RedEdge717GLDVAng2ndMoment_Au-	
164	gust	Red650St.Dev_August
165	Blue444Contrast_June	RedEdge705AngCorrelation_July
166	Green560Dissimilarity_July	RedEdge717AngCorrelation_August
167	Green560St.Dev_June	WAVI-2_August
168	RedEdge740AngCorrelation_July	Red650AngCorrelation_August
169	NIR842Entropy_June	Blue475AngCorrelation_June
170	Red650Homogeneity_June	RedEdge705AngCorrelation_June
171	Green531Ang2ndMoment_June	RedEdge717AngCorrelation_July
172	RedEdge705Ang2ndMoment_August	Green531Dissimilarity_August
173	NIR842Ang2ndMoment_June	RedEdge705St.Dev_August
174	Green560GLDVEntropy_August	Green531GLDVAng2ndMoment_August
175	NIR842_June	RedEdge705Contrast_August
176	Red650Contrast_July	NIR842GLDVEntropy_July
177	Green560GLDVAng2ndMoment_August	RedEdge717St.Dev_August
178	RedEdge717GLDVAng2ndMoment_June	Red650AngCorrelation_July
179	Blue444Homogeneity_August	Red668AngCorrelation_July
180	RedEdge717Entropy_July	RedEdge740Entropy_July
181	RedEdge740_July	Red650Contrast_August
182	Green531Ang2ndMoment_August	Green531Homogeneity_August
183	Blue475Contrast_August	Green531Contrast_August
184	Green531St.Dev_June	Green531Ang2ndMoment_August
185	RedEdge740Entropy_June	Green560AngCorrelation_June
186	Red650GLDVEntropy_July	Green560GLDVEntropy_August
187	RedEdge705Dissimilarity_July	RedEdge705Entropy_August
188	RedEdge740Ang2ndMoment_July	Blue444AngCorrelation_June
189	RedEdge717Dissimilarity_July	Green531GLDVEntropy_August
190	Blue475Contrast_July	RedEdge705GLDVEntropy_August
191	Green560_June	RedEdge740Ang2ndMoment_June
192	RERVI.2_June	Green531AngCorrelation_July
193	Blue444AngCorrelation_July	RedEdge705Ang2ndMoment_August
194	Red650GLDVAng2ndMoment_June	Red668GLDVAng2ndMoment_July
195	Blue475_August	Red668St.Dev_July
196	Green531Entropy_August	RedEdge740GLDVEntropy_August
197	RedEdge717Dissimilarity_August	RedEdge717GLDVAng2ndMoment_August

198	Red650Dissimilarity_July	RedEdge705Dissimilarity_August
199	Blue475_June	RedEdge740AngCorrelation_July
200	Blue475St.Dev_July	Green560Entropy_August
201	Red650St.Dev_August	Red668Entropy_July
202	Green531GLDVEntropy_June	Blue444Ang2ndMoment_August
203	Blue475GLDVEntropy_August	Blue475GLDVAng2ndMoment_August
204	GDVI.1_June	NIR842Ang2ndMoment_June
205	RedEdge705Contrast_August	Blue475Entropy_August
206	Green560Contrast_August	Green531St.Dev_August
207	NIR842Dissimilarity_July	RedEdge717Entropy_August
208	Green560GLDVAng2ndMoment_June	RedEdge705GLDVAng2ndMoment_August
209	WAVI.2_June	RedEdge740Entropy_August
210	RedEdge705GLDVAng2ndMoment_August	RedEdge740Homogeneity_August
211	NR.1_August	Green560Dissimilarity_August
212	Red668Entropy_July	RedEdge717Contrast_August
213	RedEdge705GLDVEntropy_July	Green531AngCorrelation_June
214	NIR842Contrast_July	Red668Entropy_June
215	NIR842Contrast_August	RedEdge740Ang2ndMoment_August
216	NG.1_June	RedEdge740GLDVAng2ndMoment_July
217	RedEdge717Homogeneity_July	Red668Dissimilarity_June
218	Red668Homogeneity_July	RedEdge705GLDVAng2ndMoment_July
219	RedEdge740Contrast_June	RedEdge740GLDVEntropy_July
220	RedEdge717Ang2ndMoment_July	NIR842Entropy_July
221	Blue444GLDVEntropy_August	Red668Ang2ndMoment_June
222	Blue444Homogeneity_July	Red668GLDVAng2ndMoment_June
223	NDRE.2_June	RedEdge717GLDVEntropy_August
224	Red650St.Dev_June	NIR842St.Dev_August
225	Red668Entropy_June	Green560GLDVAng2ndMoment_August
226	Blue444Contrast_July	RedEdge740GLDVAng2ndMoment_August
227	Blue444Homogeneity_June	Green560AngCorrelation_July
228	Blue475Ang2ndMoment_June	Red668GLDVEntropy_July
229	Red668Contrast_August	Blue475Homogeneity_August
230	NIR842Dissimilarity_June	NIR842Homogeneity_August
231	Green560Dissimilarity_August	Red668Homogeneity_June
232	Blue444GLDVAng2ndMoment_July	RedEdge740St.Dev_August
233	Blue475Dissimilarity_July	RedEdge717Homogeneity_August
234	Green531Homogeneity_June	Red650Contrast_July
235	Green531Dissimilarity_June	RedEdge717Dissimilarity_August
236	RedEdge740St.Dev_June	Red668AngCorrelation_August
237	WAVI.1_June	Red668GLDVEntropy_June
238	GDVI.2_June	Red668Contrast_July
239	Blue444Ang2ndMoment_July	RedEdge705St.Dev_July
240	Blue444Dissimilarity_July	Blue444St.Dev_June
241	RVI.2_August	RedEdge717Ang2ndMoment_June
242	RedEdge705Entropy_August	RedEdge740Homogeneity_July
243	DVI.1_August	Blue475Ang2ndMoment_June
244	Red668Homogeneity_August	Blue444Entropy_August
245	NIR842Mean_August	RedEdge740Contrast_August
246	NIR842Homogeneity_June	RedEdge740Ang2ndMoment_July
247	NIR842GLDVAng2ndMoment_July	Green531Entropy_August

248	Blue444Entropy_July	Red668Dissimilarity_July
249	NIR842GLDVEntropy_August	RedEdge740AngCorrelation_June
250	RedEdge705_July	Green560Homogeneity_August
251	RedEdge705Homogeneity_July	Green560Contrast_August
252	RedEdge740GLDVEntropy_June	Red668Contrast_June
253	RedEdge705GLDVAng2ndMoment_July	RedEdge705Homogeneity_August
254	RedEdge740St.Dev_August	Green531GLDVEntropy_June
255	RedEdge717GLDVAng2ndMoment_July	Red650Entropy_July
256	RedEdge740Homogeneity_August	Blue475St.Dev_August
257	NIR842St.Dev_August	Green560Ang2ndMoment_August
258	NDRE.3_August	NIR842Entropy_June
259	Blue475GLDVAng2ndMoment_June	Blue444Contrast_July
260	RedEdge740Contrast_August	Red668Ang2ndMoment_July
261	Blue444Ang2ndMoment_August	NIR842AngCorrelation_July
262	Red650_July	Blue444Homogeneity_August
263	Blue475Entropy_July	Blue475Ang2ndMoment_August
264	RedEdge717Ang2ndMoment_August	RedEdge705Ang2ndMoment_June
265	Blue475GLDVAng2ndMoment_July	Green531St.Dev_July
266	Blue444AngCorrelation_June	Green531Ang2ndMoment_July
267	RedEdge705St.Dev_June	Green560St.Dev_July
268	Blue444GLDVAng2ndMoment_June	RedEdge740St.Dev_June
269	RedEdge740Dissimilarity_August	Blue475Contrast_June
270	NG.2_July	Red650GLDVAng2ndMoment_June
271	Red668Ang2ndMoment_July	Blue475AngCorrelation_August
272	Red650Entropy_July	RedEdge740AngCorrelation_August
273	Red650GLDVAng2ndMoment_July	Green531Contrast_June
274	RedEdge705Ang2ndMoment_July	NIR842Ang2ndMoment_July
275	RedEdge717St.Dev_August	Blue444Ang2ndMoment_June
276	Blue444Entropy_August	Green531St.Dev_June
277	RedEdge705Homogeneity_June	Green560Contrast_July
278	RedEdge705St.Dev_July	RedEdge705Contrast_July
279	NIR842Ang2ndMoment_August	NIR842GLDVEntropy_August
280	NIR842St.Dev_June	Blue475Homogeneity_June
281	RedEdge740Entropy_August	RedEdge705Homogeneity_July
282	RedEdge705AngCorrelation_July	RedEdge717Ang2ndMoment_August
283	RedEdge705Entropy_July	Blue444Homogeneity_June
284	RedEdge717GLDVEntropy_June	RedEdge740Contrast_June
285	NDRE.3_June	NIR842Dissimilarity_June
286	RedEdge740Dissimilarity_June	Red650St.Dev_July
287	RERVI.3_July	NIR842Homogeneity_June
288	NIR842Contrast_June	Green560GLDVAng2ndMoment_July
289	RedEdge705GLDVEntropy_August	Red650Dissimilarity_July
290	Blue475Homogeneity_July	RedEdge717Entropy_July
291	Red650Ang2ndMoment_July	Blue444Contrast_August
292	RedEdge740GLDVAng2ndMoment_August	Blue444St.Dev_August
293	NIR842Dissimilarity_August	Blue444GLDVAng2ndMoment_June
294	RedEdge717Homogeneity_June	Green531Dissimilarity_July
295	Green560Homogeneity_June	Green560Ang2ndMoment_June
296	Red668Ang2ndMoment_August	RedEdge705Dissimilarity_July
297	NIR842Ang2ndMoment_July	NIR842GLDVAng2ndMoment_July

298	NIR842GLDVAng2ndMoment_June	Red668St.Dev_June
299	Blue444Mean_July	NIR842Contrast_June
300	Blue444_July	Green531Entropy_July
301	RedEdge740GLDVEntropy_August	Green560Entropy_July
302	Blue475Dissimilarity_June	Red650GLDVAng2ndMoment_July
303	Green560St.Dev_August	RedEdge717Homogeneity_July
304	Green531Entropy_June	RedEdge705GLDVAng2ndMoment_June
305	RedEdge705St.Dev_August	Blue475St.Dev_July
306	Red650Entropy_June	RedEdge717Contrast_June
307	Blue475Ang2ndMoment_July	RedEdge740Homogeneity_June
308	Blue475Dissimilarity_August	Green531GLDVAng2ndMoment_July
309	Red668Dissimilarity_August	Blue444Entropy_June
310	GDVI.2_July	RedEdge740Dissimilarity_August
311	Red650GLDVAng2ndMoment_August	Red650Homogeneity_June
312	Green531GLDVAng2ndMoment_June	Green560Ang2ndMoment_July
313	RedEdge705Dissimilarity_June	Green560GLDVEntropy_July
314	RedEdge717Homogeneity_August	RedEdge717Dissimilarity_July
315	Blue475Mean_July	RedEdge740Contrast_July
316	RedEdge740St.Dev_July	Green560Contrast_June
317	Blue475Homogeneity_August	Blue475Contrast_August
318	RedEdge717Dissimilarity_June	Red650Ang2ndMoment_July
319	Blue475St.Dev_June	Blue444AngCorrelation_August
320	GDVI.1_July	RedEdge705St.Dev_June
321	RedEdge705Contrast_June	RedEdge705Entropy_July
322	Blue475Homogeneity_June	NIR842Dissimilarity_August
323	Blue444GLDVEntropy_July	Blue444Dissimilarity_June
324	RedEdge705Homogeneity_August	Red650St.Dev_June
325	RedEdge705GLDVAng2ndMoment_June	RedEdge717GLDVAng2ndMoment_June
326	NIR842GLDVAng2ndMoment_August	Green560Homogeneity_July
327	RedEdge705GLDVEntropy_June	RedEdge740St.Dev_July
328	Green560Entropy_June	Blue475St.Dev_June
329	RedEdge740Homogeneity_July	Green560Dissimilarity_July
330	Blue444St.Dev_June	Red650Homogeneity_July
331	RVI.1_August	NIR842Entropy_August
332	Green560Entropy_August	RedEdge717St.Dev_July
333	NIR842Homogeneity_August	Blue444GLDVAng2ndMoment_August
334	NDRE.3_July	Green560St.Dev_August
335	Red650AngCorrelation_August	Blue475Entropy_June
336	Blue475Entropy_June	Blue475GLDVAng2ndMoment_June
337	Blue475GLDVEntropy_June	RedEdge705Homogeneity_June
338	NIR842_August	Green560Dissimilarity_June
339	Red650Homogeneity_July	RedEdge717Contrast_July
340	RedEdge705Dissimilarity_August	RedEdge717GLDVAng2ndMoment_July
341	Blue444GLDVEntropy_June	Red650Ang2ndMoment_June
342	NIR842GLDVEntropy_July	RedEdge705Dissimilarity_June
343	RedEdge740Contrast_July	NIR842AngCorrelation_June
344	Blue444Dissimilarity_August	Blue444GLDVEntropy_August
345	NIR842St.Dev_July	Green531Entropy_June
346	RedEdge740Dissimilarity_July	RedEdge705Entropy_June
347	WAVI.1_July	RedEdge717St.Dev_June
348	RedEdge740GLDVEntropy_July	RedEdge740GLDVAng2ndMoment_June

349	Green531St.Dev_August	Blue444Homogeneity_July
350	NIR842Entropy_July	Red668Homogeneity_July
351	DVI.2_August	RedEdge705Ang2ndMoment_July
352	RERVI.1_August	NIR842AngCorrelation_August
353	Red650Dissimilarity_August	Blue444GLDVEntropy_June
354	Blue444Dissimilarity_June	RedEdge717Dissimilarity_June
355	Green560Ang2ndMoment_August	Blue444St.Dev_July
356	Red668AngCorrelation_August	Blue475Ang2ndMoment_July
357	Red650GLDVEntropy_August	Blue475GLDVAng2ndMoment_July
358	RedEdge740GLDVAng2ndMoment_July	RedEdge705GLDVEntropy_June
359	GRVI.2_July	RedEdge717Homogeneity_June
360	Red650Contrast_August	Green560GLDVAng2ndMoment_June
361	GNDVI.2_July	Red650Contrast_June
362	RERVI.1_July	RedEdge705Contrast_June
363	Blue475_July	NIR842GLDVAng2ndMoment_June
364	NG.1_July	Green531Homogeneity_July
365	Blue475GLDVAng2ndMoment_August	NIR842Homogeneity_July
366	DVI.1_July	NIR842St.Dev_July
367	RedEdge717GLDVEntropy_August	Blue475GLDVEntropy_June
368	WAVI.2_July	RedEdge740Dissimilarity_June
369	DVI.2_July	Blue444Ang2ndMoment_July
370	GNDVI.1_July	Green531Ang2ndMoment_June
371	RedEdge740Entropy_July	Green560St.Dev_June
372	RedEdge740_August	NIR842GLDVEntropy_June
373	RVI.1_July	Blue444Entropy_July
374	NIR842Entropy_August	Blue444GLDVAng2ndMoment_July
375	NDRE.1_August	Blue444Contrast_June
376	NR.1_July	Green531GLDVAng2ndMoment_June
377	NNIR.1_August	Blue475Homogeneity_July
378	RedEdge717Entropy_August	Blue475Contrast_July
379	NNIR.2_August	Blue475GLDVEntropy_July
380	NDRE.2_July	Blue475Dissimilarity_August
381	GDVI.2_August	Blue475Dissimilarity_June
382	Red650Homogeneity_August	RedEdge717Ang2ndMoment_July
383	RERVI.2_August	RedEdge717GLDVEntropy_July
384	NR.2_July	RedEdge740Dissimilarity_July
385	Blue475St.Dev_August	Blue475GLDVEntropy_August
386	RERVI.2_July	Green560GLDVEntropy_June
387	GRVI.1_July	Red650Dissimilarity_June
388	Blue475Entropy_August	NIR842Contrast_August
389	NDVI.1_August	Green560Entropy_June
390	RVI.2_July	Red650GLDVEntropy_June
391	NNIR.1_July	RedEdge740Entropy_June
392	NDAVI.2_July	Blue444AngCorrelation_July
393	NDAVI.1_August	Blue475Entropy_July
394	NNIR.2_July	Red650GLDVEntropy_July
395	RedEdge717Contrast_August	Green531Homogeneity_June
396	NDAVI.2_August	RedEdge717GLDVEntropy_June
397	WAVI.1_August	NIR842Ang2ndMoment_August
398	Blue444GLDVAng2ndMoment_August	RedEdge740GLDVEntropy_June
399	Blue444Contrast_August	Blue475Dissimilarity_July

400	NDRE.2_August	Green531Dissimilarity_June
401	Blue444AngCorrelation_August	RedEdge717Entropy_June
402	GRVI.1_August	Blue444GLDVEntropy_July
403	GDVI.1_August	Green560Homogeneity_June
404	NDAVI.1_July	NIR842St.Dev_June
405	GNDVI.1_August	Blue444Dissimilarity_July
406	NDVI.1_July	Green531Contrast_July
407	GRVI.2_August	Red650Entropy_June
408	NG.2_August	NIR842Contrast_July
409	NDVI.2_July	NIR842GLDVAng2ndMoment_August
410	NDRE.1_July	Blue475AngCorrelation_July
411	GNDVI.2_August	NIR842Dissimilarity_July
412	Blue475Ang2ndMoment_August	Blue444Dissimilarity_August
413	NG.1_2021060810	Green531GLDVEntropy_July
414	Blue444St.Dev_August	RedEdge705GLDVEntropy_July



**Table S7.** Input variables (raw reflectance, vegetation indices, textural features) of the Restoration site (Site B) ranked according to mean decrease in accuracy computed by PB and OB Random Forest classifications applied to the 2021 multi-temporal image. Textural features include the reflectance band and name of the formula (Table 4) they were calculated with. Each input variable is followed by the month of the imagery that it was extracted from.

Rank	PB	OB
1	RedEdge740AngCorrelation_August	NR-2_August
2	Green531Mean_July	Blue475_August
3	Green531_July	NDAVI-1_August
4	Green560_Mean_August	NR-1_August
5	NIR842Mean_June	NIR842Mean_June
6	GRVI.2_June	Red668_August
7	Red668Mean_July	GNDVI-2_July
8	RedEdge717Mean_August	RedeEdge717_August
9	NIR842Mean_August	NNIR-1_June
10	Blue444Mean_August	Green560Mean_August
11	Red650Mean_June	NDRE-1_July
12	Blue444Mean_July	GNDVI-1_August
13	RedEdge740Mean_August	Blue475Mean_August
14	NIR842Mean_July	Green560_August
15	Green560_July	DVI-2_June
16	Red650Mean_July	NDVI-1_August
17	NNIR.1_June	NNIR-2_August
18	Green531Mean_August	Red650_August
19	Green531Contrast_August	Green560Mean_June
20	RedEdge717_August	Green531Mean_August
21	Blue444AngCorrelation_August	GNDVI-2_August
22	RedEdge717St.Dev_August	GRVI-1_July
23	Blue475Mean_July	GDVI-1_August
24	Blue444AngCorrelation_July	RVI-1_June
25	RedEdge717Dissimilarity_July	NDAVI-2_July
26	RVI.1_June	NG-2_August
27	RedEdge717Mean_July	GRVI-1_August
28	RedEdge740GLDVAng2ndMoment_August	GDVI-1_June
29	NIR842Ang2ndMoment_August	NDVI-2_August
30	Green531St.Dev_August	NNIR-1_August
31	Blue444Mean_June	WAVI-2_June
32	Green531_August	RedEdge717Mean_August
33	RedEdge717Contrast_July	NDAVI-1_July
34	GRVI.1_June	NIR842_June
35	WAVI.2_June	NIR842Mean_July
36	DVI.1_June	RedEdge740_August
37	RedEdge740AngCorrelation_July	NG-1_August
38	RedEdge705Mean_August	NNIR-2_July
39	Red668AngCorrelation_July	RERVI-1_July
40	NIR842Contrast_August	NR-1_July
41	Green531GLDVEntropy_August	Blue475_July
42	Green560Mean_July	WAVI-1_June
43	GNDVI.2_June	RVI-2_August
44	NDVI.1_June	Green531_August

45	Blue475AngCorrelation_July	NNIR-1_July
46	RedEdge717St.Dev_July	GRVI-1_June
47	Green531Homogeneity_August	RERVI-1_August
48	Red668Ang2ndMoment_August	NDVI-1_June
49	Red650Entropy_June	NG-2_July
50	Green531Dissimilarity_August	RVI-2_July
51	NNIR.2_June	NNIR-2_June
52	NIR842Entropy_August	Green560_July
53	Blue444_August	GDVI-2_June
54	RedEdge740GLDVEntropy_July	Green531St.Dev_June
55	RedEdge705Dissimilarity_August	NIR842_August
56	RedEdge705Mean_July	Green531Contrast_June
57	NDAVI.1_August	NG-1_July
58	NIR842AngCorrelation_August	Blue444Mean_June
59	Blue475GLDVEntropy_August	Red650Mean_July
60	Red668AngCorrelation_August	GDVI-1_July
61	NIR842AngCorrelation_June	Blue444_July
62	Red668Mean_June	DVI-1_August
63	RedEdge717Ang2ndMoment_July	NIR842Entropy_July
64	RedEdge740Ang2ndMoment_August	RedEdge705_August
65	RedEdge705Entropy_August	Red650Entropy_July
66	RedEdge717Contrast_August	NR-2_July
67	RedEdge705Contrast_August	Green531Dissimilarity_August
68	RedEdge705AngCorrelation_August	RedEdge740Ang2ndMoment_July
69	NG.2_June	Green531Mean_July
70	Green560_August	Red650Homogeneity_July
71	Red650GLDVEntropy_August	RedEdge717Mean_July
72	NIR842Dissimilarity_August	RERVI-3_June
73	RVI.2_August	GDVI-2_July
74	DVI.2_June	WAVI-2_July
75	Blue475Mean_June	RedEdge740Mean_August
76	NIR842GLDVEntropy_August	RedEdge717_July
77	Red650Homogeneity_June	DVI-2_July
78	RedEdge740Mean_July	Green531Homogeneity_June
79	NR.2_August	DVI-1_June
80	RedEdge740Contrast_August	GRVI-2_June
81	Blue475AngCorrelation_August	DVI-2_August
82	RedEdge705GLDVEntropy_August	NDRE-1_June
83	NDAVI.2_June	NDVI-2_July
84	RedEdge717Entropy_July	GDVI-2_August
85	RedEdge705St.Dev_July	WAVI-1_August
86	Red650AngCorrelation_July	RedEdge705St.Dev_June
87	Blue475St.Dev_August	RedEdge740Mean_June
88	RedEdge717Homogeneity_July	Blue475AngCorrelation_July
89	Green560Mean_June	Green531_July
90	RedEdge717GLDVAng2ndMoment_July	Red650Ang2ndMoment_June
91	WAVI.1_June	RedEdge705Mean_August
92	NIR842Homogeneity_June	NDVI-1_July
93	Red650Entropy_July	Blue444Mean_August
94	Red668Entropy_August	NG-1_June
95	GDVI.1_June	GNDVI-1_July

96	Red668Homogeneity_August	Green531Contrast_August
97	RedEdge705AngCorrelation_July	RedEdge717Ang2ndMoment_August
98	Green531GLDVAng2ndMoment_July	RedEdge717Dissimilarity_July
99	RedEdge717GLDVEntropy_July	Red668_July
100	RedEdge740Homogeneity_August	NDRE-3_July
101	Red668St.Dev_August	WAVI-2_August
102	GNDVI.1_June	NIR842Mean_August
103	Red650GLDVAng2ndMoment_June	Blue444_June
104	NIR842St.Dev_August	Red668Mean_June
105	Red650Entropy_August	RedEdge740Mean_July
106	Green560GLDVEntropy_August	Green531Mean_June
107	RedEdge740Mean_June	Green531St.Dev_July
108	RedEdge717GLDVEntropy_August	RERVI-1_June
109	NR.2_June	Green560Mean_July
110	Red668Homogeneity_June	RedEdge717GLDVAng2ndMoment_August
111	Green531Contrast_July	Red650Contrast_July
112	Blue444Entropy_August	RedEdge705Contrast_July
113	RedEdge705Ang2ndMoment_August	RedEdge717St.Dev_August
114	NIR842GLDVAng2ndMoment_June	GNDVI-1_June
115	Red668Ang2ndMoment_June	NG-2_June
116	Blue444GLDVEntropy_August	Blue475_June
117	NDVI.2_August	Green531Homogeneity_August
118	Green531Mean_June	Green531Dissimilarity_June
119	NIR842_August	RedEdge717Homogeneity_July
120	NIR842St.Dev_June	Red668Mean_July
121	NIR842Homogeneity_August	RedEdge717Entropy_July
122	RedEdge705Homogeneity_August	Green560Contrast_August
123	RedEdge740GLDVEntropy_August	Red650AngCorrelation_August
124	RedEdge717GLDVAng2ndMoment_August	NR-2_June
125	RedEdge717Homogeneity_August	NDAVI-2_August
126	Red668GLDVEntropy_August	Red650Mean_June
127	NIR842AngCorrelation_July	RedEdge705GLDVEntropy_June
128	RedEdge740Homogeneity_June	Green531Contrast_July
129	Blue444St.Dev_July	Green560Entropy_July
130	RedEdge705St.Dev_August	RedEdge717GLDVAng2ndMoment_July
131	Blue444AngCorrelation_June	RedEdge717AngCorrelation_August
132	NIR842Contrast_July	GNDVI-2_June
133	NG.2_July	NDRE-3_June
134	NR.1_June	RERVI-2_June
135	Red668_July	Blue475Dissimilarity_June
136	NIR842GLDVAng2ndMoment_August	Red650Dissimilarity_June
137	RVI.2_June	Green560Contrast_July
138	GDVI.2_June	Green560GLDVEntropy_July
139	Green560Dissimilarity_August	RedEdge717GLDVEntropy_July
140	RedEdge705GLDVAng2ndMoment_August	NDAVI-2_June
141	Red650AngCorrelation_August	Green560Homogeneity_July
142	Green560AngCorrelation_July	Green560Contrast_June
143	Red668GLDVEntropy_June	Green531GLDVEntropy_July
144	NIR842Dissimilarity_June	Red668AngCorrelation_July

145	NIR842Entropy_July	Blue444GLDVAng2ndMoment_August
146	Blue444_July	Green531GLDVAng2ndMoment_August
147	NIR842St.Dev_July	Red650Contrast_June
148	RedEdge740St.Dev_August	RedEdge740AngCorrelation_June
149	RedEdge740Dissimilarity_June	RedEdge717Ang2ndMoment_July
150	RedEdge705_August	Green531Ang2ndMoment_August
151	NIR842GLDVAng2ndMoment_July	Green560Dissimilarity_June
152	Green560Contrast_July	Green560GLDVAng2ndMoment_August
153	NDAVI.1_July	Red650_June
154	NG.1_June	RedEdge740_June
155	Blue475Contrast_August	GRVI-2_August
156	Red668Dissimilarity_August	RERVI-3_August
157	Red650GLDVEntropy_June	Blue444AngCorrelation_June
158	Green531AngCorrelation_July	Green531Ang2ndMoment_July
159	Red668Entropy_June	Red650St.Dev_July
160	NIR842Contrast_June	RedEdge705Mean_July
161	Red650St.Dev_July	RedEdge740AngCorrelation_July
162	RERVI.2_June	Blue444Ang2ndMoment_August
163	DVI.2_August	RedEdge740St.Dev_August
164	Blue475Ang2ndMoment_August	RVI-2_June
165	GNDVI.2_July	Red650AngCorrelation_June
166	NDVI.2_June	Green560St.Dev_August
167	Green560St.Dev_August	RedEdge717Dissimilarity_August
168	NIR842Ang2ndMoment_July	NIR842Dissimilarity_August
169	RedEdge740Homogeneity_July	RedEdge740_July
170	WAVI.1_July	NIR842_July
171	RedEdge740Ang2ndMoment_July	WAVI-1_July
172	Red650GLDVAng2ndMoment_August	NDRE-3_August
173	GDVI.1_August	NIR842St.Dev_July
174	RedEdge740St.Dev_June	Blue444Contrast_August
175	Green531Homogeneity_July	Green531_June
176	Blue475_August	NDRE-2_June
177	RedEdge705Contrast_July	NIR842Dissimilarity_June
178	RedEdge717Dissimilarity_August	NIR842GLDVEntropy_June
179	Blue444St.Dev_August	Green531GLDVAng2ndMoment_July
180	RedEdge740Entropy_July	Green560Ang2ndMoment_July
181	RedEdge740Dissimilarity_August	Red650Mean_August
182	Red650Mean_August	NIR842Ang2ndMoment_June
183	WAVI.1_August	RedEdge705AngCorrelation_July
184	Blue475Entropy_August	Red650GLDVAng2ndMoment_August
185	Blue475Entropy_June	RedEdge740Homogeneity_August
186	Green531GLDVAng2ndMoment_August	Blue444_August
187	Red668GLDVAng2ndMoment_June	NDVI-2_June
188	WAVI.2_August	DVI-1_July
189	Blue475_July	Green531AngCorrelation_June
190	NIR842GLDVEntropy_July	Red668AngCorrelation_June
191	Red650Ang2ndMoment_August	RedEdge705Dissimilarity_June
192	DVI.1_August	Blue475Contrast_July
193	Green531Dissimilarity_July	Green560AngCorrelation_July
194	Blue475Homogeneity_June	Red650GLDVEntropy_July
195	RERVI.1_June	RedEdge740Contrast_July

196	Blue444Contrast_August	RedEdge740Entropy_July
197	Blue444Entropy_June	NIR842AngCorrelation_July
198	NNIR.1_July	RedEdge705Contrast_August
199	NDAVI.2_August	RedEdge740Dissimilarity_August
200	RERVI.1_August	RedEdge740Ang2ndMoment_August
201	RedEdge705Mean_June	NIR842Homogeneity_August
202	Blue444Ang2ndMoment_August	Blue475GLDVAng2ndMoment_June
203	NIR842Entropy_June	Red668St.Dev_July
204	Red650Ang2ndMoment_June	Red668Entropy_July
205	RedEdge740Contrast_June	Blue475Homogeneity_August
206	NIR842Homogeneity_July	RedEdge705GLDVAng2ndMoment_August
207	Red650Dissimilarity_June	NIR842St.Dev_August
208	Red650GLDVEntropy_July	NR-1_June
209	GDVI.2_July	GRVI-2_July
210	GRVI.1_July	Blue444Ang2ndMoment_June
211	Blue475AngCorrelation_June	Blue475Contrast_June
212	NG.2_August	RedEdge705Mean_June
213	NR.1_August	Blue444St.Dev_July
214	Blue475Dissimilarity_August	Red650AngCorrelation_July
215	RedEdge705Dissimilarity_July	Red668Contrast_July
216	RVI.2_July	NIR842Contrast_July
217	GRVI.2_July	Green531Entropy_August
218	NDAVI.2_July	RedEdge717Homogeneity_August
219	Red668GLDVAng2ndMoment_July	Green560_June
220	RedEdge717AngCorrelation_August	NDRE-2_August
221	GNDVI.1_July	Blue475Mean_June
222	NIR842Ang2ndMoment_June	NIR842Contrast_June
223	Red650Contrast_August	NIR842Entropy_June
224	NNIR.2_August	NIR842GLDVAng2ndMoment_June
225	NR.1_July	Green531Entropy_July
226	RedEdge717Mean_June	RedEdge705GLDVAng2ndMoment_July
227	NDRE.2_June	RedEdge717Contrast_July
228	Red650St.Dev_August	Blue444Homogeneity_August
229	Red668GLDVAng2ndMoment_August	Red650Entropy_August
230	Red668Contrast_August	RedEdge705Ang2ndMoment_August
231	Red650_July	Blue475Entropy_June
232	RedEdge740GLDVAng2ndMoment_July	Red668Ang2ndMoment_June
233	Green560Homogeneity_August	RedEdge717Contrast_June
234	Red668Entropy_July	RedEdge740Ang2ndMoment_June
235	NIR842_June	Blue444AngCorrelation_July
236	NIR842Dissimilarity_July	Green531Homogeneity_July
237	NDAVI.1_June	RedEdge740GLDVAng2ndMoment_July
238	NNIR.2_July	Red650Homogeneity_August
239	Blue475Mean_August	RedEdge740AngCorrelation_August
240	Blue475Ang2ndMoment_June	RedEdge740GLDVEntropy_August
241	Red650Contrast_July	RedEdge705_June
242	NDVI.1_August	NDAVI-1_June
243	RedEdge740St.Dev_July	Blue444Homogeneity_June
244	Blue444Dissimilarity_August	Green560Homogeneity_June
245	Blue475GLDVEntropy_June	Red650Homogeneity_June
246	Blue444Homogeneity_August	Red668Entropy_June

247	Blue475GLDVAng2ndMoment_June	RedEdge705Contrast_June
248	Red668St.Dev_July	RedEdge705AngCorrelation_June
249	Red650Dissimilarity_July	RedEdge717Mean_June
250	RedEdge705GLDVEntropy_July	RedEdge740Entropy_June
251	RedEdge705Entropy_July	Green531Dissimilarity_July
252	Green560Contrast_August	RedEdge740St.Dev_July
253	Green531AngCorrelation_June	Blue444Entropy_August
254	NIR842_July	NIR842GLDVEntropy_August
255	Red668Homogeneity_July	RVI-1_July
256	Blue444Contrast_July	Blue475AngCorrelation_June
257	Blue444GLDVAng2ndMoment_August	Green560AngCorrelation_June
258	RedEdge740Dissimilarity_July	RedEdge717Homogeneity_June
259	RedEdge740GLDVAng2ndMoment_June	RedEdge717Dissimilarity_June
260	RedEdge717AngCorrelation_July	RedEdge717Ang2ndMoment_June
261	Green560GLDVEntropy_July	Red650Dissimilarity_July
262	RedEdge740Contrast_July	Red668Homogeneity_July
263	RedEdge740Entropy_August	NIR842Homogeneity_July
264	Red668_June	NIR842Ang2ndMoment_July
265	RedEdge717Entropy_August	RedEdge740Contrast_August
266	Green560Dissimilarity_July	NIR842Ang2ndMoment_August
267	Red650Dissimilarity_August	RVI-1_August
268	RedEdge705Homogeneity_July	Blue475Ang2ndMoment_June
269	RedEdge705GLDVAng2ndMoment_July	Red650St.Dev_June
270	RedEdge740Ang2ndMoment_June	Blue444Mean_July
271	NDVI.1_July	Blue475St.Dev_July
272	RedEdge717Ang2ndMoment_August	Blue475GLDVAng2ndMoment_July
273	GDVI.2_August	Red650Ang2ndMoment_July
274	Blue444GLDVEntropy_July	Red668GLDVEntropy_July
275	RedEdge740_August	RedEdge740Dissimilarity_July
276	DVI.1_July	Blue444AngCorrelation_August
277	NR.2_July	Green560Homogeneity_August
278	Green560GLDVAng2ndMoment_July	Green560Ang2ndMoment_August
279	Blue475Homogeneity_August	NIR842Entropy_August
280	NIR842GLDVEntropy_June	RedEdge717_June
281	NG.1_July	RedEdge705_July
282	NDRE.1_June	RERVI-2_July
283	Blue444Dissimilarity_July	RERVI-2_August
284	Red650Homogeneity_July	Blue475Homogeneity_June
285	Red668Contrast_June	RedEdge705Ang2ndMoment_June
286	Red668_August	Blue475Mean_July
287	Red650Contrast_June	RedEdge740Homogeneity_July
288	RVI.1_July	Blue475Dissimilarity_August
289	Red668St.Dev_June	Red668Homogeneity_August
290	RedEdge740Entropy_June	RedEdge705Dissimilarity_August
291	NNIR.1_August	RedEdge717GLDVEntropy_August
292	Blue475Contrast_July	RedEdge740Entropy_August
293	Green531GLDVEntropy_July	NDRE-2_July
294	Red650Homogeneity_August	Blue444Contrast_June
295	RedEdge705_July	Blue444St.Dev_June
296	Blue444GLDVAng2ndMoment_June	Green531Ang2ndMoment_June
297	Green531St.Dev_July	Green531GLDVEntropy_June



298	RedEdge717_July	Red668Dissimilarity_June
299	Red668Dissimilarity_June	Red668GLDVEntropy_June
300	Green560Homogeneity_July	RedEdge740GLDVAng2ndMoment_June
301	Red650GLDVAng2ndMoment_July	RedEdge740GLDVEntropy_July
302	GDVI.1_July	Blue475Contrast_August
303	RedEdge705Ang2ndMoment_July	Green531GLDVEntropy_August
304	Green560Ang2ndMoment_August	Green560GLDVEntropy_August
305	Blue444Entropy_July	Red668Mean_August
306	Green531AngCorrelation_August	NIR842AngCorrelation_August
307	Red650Ang2ndMoment_July	Blue444Dissimilarity_June
308	RVI.1_August	Blue444GLDVAng2ndMoment_June
309	Red650AngCorrelation_June	Blue475St.Dev_June
310	NDRE.1_August	Green560Entropy_June
311	Blue475Contrast_June	Green560GLDVAng2ndMoment_June
312	Red668Mean_August	Red650GLDVEntropy_June
313	Red650St.Dev_June	NIR842Homogeneity_June
314	Blue475St.Dev_July	Blue444GLDVEntropy_July
315	Green531Entropy_August	Green560Dissimilarity_July
316	GNDVI.1_August	Green560St.Dev_July
317	GRVI.1_August	RedEdge705GLDVEntropy_July
318	RedEdge705Contrast_June	NIR842GLDVAng2ndMoment_July
319	Red668GLDVEntropy_July	Blue444St.Dev_August
320	Red668Contrast_July	Blue475Ang2ndMoment_August
321	WAVI.2_July	Blue475GLDVEntropy_August
322	NDRE.2_August	Green531St.Dev_August
323	Green560Entropy_August	Green560AngCorrelation_August
324	Green560St.Dev_July	Red650St.Dev_August
325	Green560AngCorrelation_June	Red668Contrast_August
326	Green531Contrast_June	Red668St.Dev_August
327	RERVI.2_August	RedEdge740GLDVAng2ndMoment_August
328	Blue475Dissimilarity_June	NIR842Contrast_August
329	RedEdge717Homogeneity_June	Red668_June
330	Blue475GLDVAng2ndMoment_August	Blue444Entropy_June
331	RedEdge705AngCorrelation_June	Green560Ang2ndMoment_June
332	Blue444GLDVAng2ndMoment_July	Red668GLDVAng2ndMoment_June
333	NDRE.2_July	RedEdge717GLDVEntropy_June
334	Green560GLDVAng2ndMoment_August	RedEdge740Contrast_June
335	Green560Homogeneity_June	NIR842AngCorrelation_June
336	NDVI.2_July	Blue475Homogeneity_July
337	Green531Ang2ndMoment_August	Blue475Entropy_July
338	Green531Homogeneity_June	Blue475GLDVEntropy_July
339	Green531Entropy_July	RedEdge705Homogeneity_July
340	Blue444Ang2ndMoment_July	RedEdge705St.Dev_July
341	Red668AngCorrelation_June	RedEdge705Entropy_July
342	Blue444GLDVEntropy_June	RedEdge717AngCorrelation_July
343	Green560AngCorrelation_August	Blue444GLDVEntropy_August
344	RedEdge740AngCorrelation_June	Blue475Entropy_August
345	GRVI.2_August	Green560Entropy_August
346	Blue444_June	Red650Contrast_August
347	Red668Ang2ndMoment_July	Red650Ang2ndMoment_August
348	Blue444Homogeneity_June	RedEdge717Contrast_August

349	Green531Ang2ndMoment_July	NDRE-1_August
350	DVI.2_July	Blue444GLDVEntropy_June
351	RERVI.1_July	Blue475GLDVEntropy_June
352	RedEdge740_July	Green531GLDVAng2ndMoment_June
353	Green560Entropy_July	Green560St.Dev_June
354	RedEdge705Homogeneity_June	Green560GLDVEntropy_June
355	Blue444Ang2ndMoment_June	Red650Entropy_June
356	GNDVI.2_August	Red650GLDVAng2ndMoment_June
357	NDRE.1_July	Red668Homogeneity_June
358	RedEdge740GLDVEntropy_June	Red668Contrast_June
359	Green560Ang2ndMoment_June	Red668St.Dev_June
360	Blue444Homogeneity_July	RedEdge705Homogeneity_June
361	Red650_August	RedEdge705Entropy_June
362	Green531GLDVEntropy_June	RedEdge705GLDVAng2ndMoment_June
363	RedEdge717Contrast_June	RedEdge717St.Dev_June
364	Red650_June	RedEdge717Entropy_June
365	Green531Ang2ndMoment_June	RedEdge717AngCorrelation_June
366	Red668Dissimilarity_July	RedEdge717GLDVAng2ndMoment_June
367	RERVI.2_July	RedEdge740Homogeneity_June
368	Blue475GLDVAng2ndMoment_July	RedEdge740Dissimilarity_June
369	Blue475Dissimilarity_July	RedEdge740GLDVEntropy_June
370	Blue475GLDVEntropy_July	NIR842St.Dev_June
371	Blue444Contrast_June	Blue444Homogeneity_July
372	Blue475Entropy_July	Blue444Contrast_July
373	Blue444Dissimilarity_June	Blue444Dissimilarity_July
374	RedEdge717Entropy_June	Blue444Entropy_July
375	Green560Dissimilarity_June	Blue444Ang2ndMoment_July
376	Blue475Homogeneity_July	Blue444GLDVAng2ndMoment_July
377	RedEdge717Dissimilarity_June	Blue475Dissimilarity_July
378	RedEdge717Ang2ndMoment_June	Blue475Ang2ndMoment_July
379	NG.1_2021060810	Green531AngCorrelation_July
380	Green560GLDVEntropy_June	Green560GLDVAng2ndMoment_July
381	Green560GLDVAng2ndMoment_June	Red650GLDVAng2ndMoment_July
382	Blue475St.Dev_June	Red668Dissimilarity_July
383	RedEdge717GLDVEntropy_June	Red668Ang2ndMoment_July
384	RERVI.3_August	Red668GLDVAng2ndMoment_July
385	Green560Entropy_June	RedEdge705Dissimilarity_July
386	RedEdge705Ang2ndMoment_June	RedEdge705Ang2ndMoment_July
387	Blue475_June	RedEdge717St.Dev_July
388	RERVI.3_June	NIR842Dissimilarity_July
389	RedEdge705Dissimilarity_June	NIR842GLDVEntropy_July
390	Blue444St.Dev_June	Blue475St.Dev_August
391	Green531GLDVAng2ndMoment_June	Blue475AngCorrelation_August
392	RedEdge717GLDVAng2ndMoment_June	Blue475GLDVAng2ndMoment_August
393	Green531_June	Green531AngCorrelation_August
394	RedEdge717AngCorrelation_June	Green560Dissimilarity_August
395	NDRE.3_June	Red650Dissimilarity_August
396	Green531Dissimilarity_June	Red650GLDVEntropy_August
397	RedEdge717St.Dev_June	Red668Entropy_August
398	Green531St.Dev_June	Red668Ang2ndMoment_August
399	Green560_June	Red668AngCorrelation_August

400	Blue475Ang2ndMoment_July	Red668GLDVAng2ndMoment_August
401	Green531Entropy_June	RedEdge705Homogeneity_August
402	RedEdge705_June	RedEdge705Entropy_August
403	RedEdge740_June	RedEdge705AngCorrelation_August
404	RedEdge705St.Dev_June	RedEdge705GLDVEntropy_August
405	RedEdge705Entropy_June	RedEdge717Entropy_August
406	Green560Ang2ndMoment_July	NIR842GLDVAng2ndMoment_August
407	RedEdge705GLDVAng2ndMoment_June	Red650_July
408	Green560Contrast_June	Green531Entropy_June
409	Green560St.Dev_June	RedEdge740St.Dev_June
410	NDRE.3_August	Blue444Dissimilarity_August
411	RedEdge717_June	Red668Dissimilarity_August
412	RERVI.3_July	Red668GLDVEntropy_August
413	NDRE.3_July	RedEdge705St.Dev_August
414	RedEdge705GLDVEntropy_June	RERVI-3_July