Tables S4a to S4k. Results of Scenario_2 (Experiment_4) presenting the overall accuracy and kappa values obtained from the cross-validation between the Filtered Reference Models (FRMs) and Ground Truth (GT). The results of each filter are handled using the following Filter Radii (FR) used:

a, FC0001

			Prediction				User accuracy
			Type Value	S. Deposits 1	Water 2	Total	
GT	Type	Value	Pixel	27,563,181	42,996,819	70,560,000	
	S. Deposits	100	11,182,686	6,818,203	20,744,978	27,563,181	0.247
	Water	200	59,377,312	4,364,483	38,632,334	42,996,817	0.898
	Total		70,559,998	11,182,686	59,377,312	70,559,998	
Producer accuracy				0.610	0.651		
Global Accuracy					0.644		
Coincidence between pixels and reality			Kappa		0.163		

b, FC1

			Prediction				User accuracy
			Type Value	S. Deposits 1	Water 2	Total	
GT	Type	Value	Pixel	12,90,143	69,269,857	70,560,000	
	S. Deposits	100	11,182,686	320,337	969,806	1,290,143	0.248
	Water	200	5,9377,312	10,862,349	58,407,506	69,269,855	0.843
	Total		70,559,998	1,1182,686	59,377,312	70,559,998	
Producer accuracy				0.029	0.984		
Global Accuracy					0.832		
Coincidence between pixels and reality			Kappa		0.019		

c, FC5

			Prediction				User accuracy
			Type Value	S. Deposits 1	Water 2	Total	
GT	Type	Value	Pixel	5,444,949	65,115,051	70,560,000	
	S. Deposits	100	11,182,686	1,237,382	4,207,567	5,444,949	0.227
	Water	200	59,377,312	9,945,304	55,169,745	65,115,049	0.847
	Total		70,559,998	11,182,686	59,377,312	70,559,998	
Producer accuracy				0.111	0.929		
Global Accuracy					0.799		
Coincidence between pixels and reality			Kappa		0.050		

d, FC7

			Prediction				User accuracy
			Type Value	S. Deposits 1	Water 2	Total	
GT	Type	Value	Pixel	5,137,503	65,422,497	70,560,000	
	S. Deposits	100	11,182,686	1,041,008	4,096,495	5,137,503	0.203
Mapping	Water	200	59,377,312	10,141,678	55,280,817	65,422,495	0.845
	Total		70,559,998	11,182,686	59,377,312	70,559,998	
Producer accuracy				0.093	0.931		
Global Accuracy					0.798		
Coincidence between pixels and reality			Kappa		0.031		

e, FC12

			Prediction				User accuracy
			Type Value	S. Deposits 1	Water 2	Total	
GT	Type	Value	Pixel	2,925,559	67,634,441	70,560,000	
	S. Deposits	100	11,182,686	1,353,619	1,571,940	2,925,559	0.463
	Water	200	59,377,312	9,829,067	57,805,372	67,634,439	0.855
	Total		70,559,998	11,182,686	59,377,312	70,559,998	
Producer accuracy				0.121	0.973		
Global Accuracy					0.838		
Coincidence between pixels and reality			Kappa		0.135		

f, FC21

			Prediction				User accuracy
			Type Value	S. Deposits 1	Water 2	Total	
GT	Type	Value	Pixel	4,666,727	65,893,273	70,560,000	
	S. Deposits	100	11,182,686	179,300	287,723	4,666,727	0.384
	Water	200	59,377,312	9,389,682	56,503,589	65,893,271	0.857
	Total		70,559,998	11,182,686	59,377,312	70559998	
Producer accuracy				0.160	0.952		
Global Accuracy					0.826		
Coincidence between pixels and reality			Kappa		0.147		

g, FC24

			Prediction				User accuracy
			Type Value	S. Deposits 1	Water 2	Total	
GT	Type	Value	Pixel	4754293	65805707	70560000	
	S. Deposits	100	11182686	1872925	2881368	4754293	0.394
	Water	200	59377312	9309761	56495944	65805705	0.858
	Total		70559998	11182686	59377312	70559998	
Producer accuracy				0.167	0.951		
Global Accuracy					0.827		
Coincidence between pixels and reality			Kappa		0.155		

h, FC28

			Prediction				User accuracy
			Type Value	S. Deposits 1	Water 2	Total	
GT	Type	Value	Pixel	4,778,775	657,81,225	70,560,000	
	S. Deposits	100	11,182,686	1,936,787	2,841,988	4,778,775	0.405
	Water	200	59,377,312	9,245,899	56,535,324	65,781,223	0.859
	Total		70,559,998	11,182,686	59,377,312	70,559,998	
Producer accuracy				0.173	0.952		
Global Accuracy					0.829		
Coincidence between pixels and reality			Kappa		0.163		

i, FC40

			Prediction				User accuracy
			Type Value	S. Deposits 1	Water 2	Total	
GT	Type	Value	Pixel	3,960,932	66,599,068	70,560,000	
	S. Deposits	100	11,182,686	2,120,025	1,840,907	3,960,932	0.535
	Water	200	59,377,312	9,062,661	57,536,405	66,599,066	0.864
	Total		70,559,998	11,182,686	59377312	70,559,998	
Producer accuracy				0.189	0.969		
Global Accuracy					0.845		
Coincidence between pixels and reality			Kappa		0.215		

j, FC60

			Prediction				User accuracy
			Type Value	S. Deposits 1	Water 2	Total	
GT	Type	Value	Pixel	4,119,356	66,440,644	70,560,000	
	S. Deposits	100	11,182,686	2,883,765	1,235,591	4,119,356	0.700
	Water	200	59,377,312	8,298,921	58,141,721	66,440,642	0.875
	Total		70,559,998	11,182,686	59,377,312	70,559,998	
Producer accuracy				0.258	0.979		
Global Accuracy					0.865		
Coincidence between pixels and reality			Kappa		0.319		

k, FC91

			Prediction				User accuracy
			Type Value	S. Deposits 1	Water 2	Total	
GT	Type	Value	Pixel	4,024,732	6,6535,268	70,560,000	
	S. Deposits	100	11,182,686	3,151,880	872,852	4,024,732	0.783
	Water	200	59,377,312	8,030,806	58,504,460	66,535,266	0.879
	Total		70,559,998	11,182,686	59,377,312	70,559,998	
Producer accuracy				0.282	0.985		
Global Accuracy					0.874		
Coincidence between pixels and reality			Kappa		0.361		