Tables S3a to S3k. Results of Scenario_2 (Experiment_3) 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	Bedrocks 1	Water 2	Total	
GT	Type	Value	Pixel	5,352,676	65,207,324	70,560,000	
	Bedrocks	100	16,452,045	3,482,017	1,870,659	5,352,676	0.650
	Water	200	54,107,953	12,970,028	52,237,294	65,207,322	0.801
	Total		70,559,998	16,452,045	54,107,953	70,559,998	
Producer accuracy				0.999	0.913		
Global Accuracy					0.951		
Coincidence between pixels and reality			Kappa		0.903		

b, FC1

			Prediction				User accuracy
			Type Value	Bedrocks 1	Water 2	Total	
GT	Type	Value	Pixel	23,123,333	47,436,667	7,0560,000	
	Bedrocks	100	16,452,045	15,130,440	7,992,893	23,123,333	0.654
	Water	200	54,107,953	1,321,605	46,115,060	47,436,665	0.972
	Total		70,559,998	16,452,045	54,107,953	70,559,998	
Producer accuracy				0.920	0.852		
Global Accuracy					0.868		
Coincidence between pixels and reality			Kappa		0.676		

c, FC5

			Prediction				User accuracy
			Type Value	Bedrocks 1	Water 2	Total	
GT	Type	Value	Pixel	12093135	58466865	70560000	
	Bedrocks	100	16,452,045	8898989	3194146	12093135	0.736
	Water	200	54,107,953	7553056	50913807	58466863	0.871
	Total		70,559,998	16,452,045	54,107,953	70,559,998	
Producer accuracy				0.541	0.941		
Global Accuracy					0.848		
Coincidence between pixels and reality			Kappa		0.531		

d, FC7

			Prediction				User accuracy
			Type Value	Bedrocks 1	Water 2	Total	
GT	Type	Value	Pixel	12,123,339	58,436,661	7,0560,000	
	Bedrocks	100	16,452,045	8,747,322	3,376,017	12,123,339	0.721
Mapping	Water	200	54,107,953	7,704,723	50,731,936	58,436,659	0.868
	Total		70,559,998	16,452,045	54,107,953	70,559,998	
Producer accuracy				0.532	0.938		
Global Accuracy					0.843		
Coincidence between pixels and reality			Kappa		0.517		

e, FC12

			Prediction				User accuracy
			Type Value	Bedrocks 1	Water 2	Total	
GT	Type	Value	Pixel	12,141,798	58,418,202	70,560,000	
	Bedrocks	100	16,452,045	11,063,427	1,078,371	12,141,798	0.911
	Water	200	54,107,953	5,388,618	53,029,582	58,418,200	0.908
	Total		70,559,998	16,452,045	54,107,953	70,559,998	
Producer accuracy				0.672	0.980		
Global Accuracy					0.908		
Coincidence between pixels and reality			Kappa		0.718		

f, FC21

			Prediction				User accuracy
			Type Value	Bedrocks 1	Water 2	Total	
GT	Type	Value	Pixel	10,154,203	60,405,797	70,560,000	
	Bedrocks	100	16,452,045	9,750,210	403,993	10,154,203	0.960
	Water	200	54,107,953	6,701,835	53,703,960	60,405,795	0.889
	Total		70,559,998	16,452,045	54,107,953	70,559,998	
Producer accuracy				0.593	0.992		
Global Accuracy					0.899		
Coincidence between pixels and reality			Kappa		0.675		

g, FC24

			Prediction				User accuracy
			Type Value	Bedrocks 1	Water 2	Total	
GT	Type	Value	Pixel	1,003,7912	60,522,088	70,560,000	
	Bedrocks	100	16,452,045	9,640,958	396,954	10,037,912	0.960
	Water	200	54,107,953	6,811,087	53,710,999	60,522,086	0.887
	Total		70,559,998	16,452,045	54,107,953	70,559,998	
Producer accuracy				0.586	0.993		
Global Accuracy					0.898		
Coincidence between pixels and reality			Kappa		0.669		

h, FC28

			Prediction				User accuracy
			Type Value	Bedrocks 1	Water 2	Total	
GT	Type	Value	Pixel	10,067,875	60,492,125	705,60,000	
	Bedrocks	100	16,452,045	9,595,433	472,442	10,067,875	0.953
	Water	200	54,107,953	6,856,612	53,635,511	60,492,123	0.887
	Total		70,559,998	16,452,045	54,107,953	70,559,998	
Producer accuracy				0.583	0.991		
Global Accuracy					0.896		
Coincidence between pixels and reality			Kappa		0.664		

i, FC40

			Prediction				User accuracy
			Type Value	Bedrocks 1	Water 2	Total	
GT	Type	Value	Pixel	7,468,889	63,091,111	70,560,000	
	Bedrocks	100	16,452,045	6,947,696	521,192	7,468,888	0.930
	Water	200	54,107,953	9504349	53,586,761	6,3091,110	0.849
	Total		70,559,998	16,452,045	54,107,953	70,559,998	
Producer accuracy				0.422	0.990		
Global Accuracy					0.858		
Coincidence between pixels and reality			Kappa		0.509		

j, FC60

			Prediction				User accuracy
			Type Value	Bedrocks 1	Water 2	Total	
GT	Type	Value	Pixel	8,223,899	62,336,101	70,560,000	
	Bedrocks	100	16,452,045	7,598,726	625,172	8,223,898	0.924
	Water	200	54,107,953	8,853,319	53,482,781	62,336,100	0.858
	Total		70,559,998	16,452,045	54,107,953	70,559,998	
Producer accuracy				0.462	0.988		
Global Accuracy					0.866		
Coincidence between pixels and reality			Kappa		0.545		

k, FC91

			Prediction				User accuracy
			Type Value	Bedrocks 1	Water 2	Total	
GT	Type	Value	Pixel	8,850,910	61,709,090	70,560,000	
	Bedrocks	100	16,452,045	7,971,466	879,443	8,850,909	0.901
	Water	200	54,107,953	8,480,579	53,228,510	61,709,089	0.863
	Total		70,559,998	16,452,045	54,107,953	70,559,998	
Producer accuracy				0.976	0.515		
Global Accuracy					0.722		
Coincidence between pixels and reality			Kappa		0.467		