Classification layer accuracy and area report

Sample size: 256 px

Area size: 256 square

Adjusted confusion matrix counts: predicted (rows) vs. observed (columns)

	(1)	(2)
mine [Red] 127 points (1)	126	0
no mine [Blue] 129 points (2)	1	129

Adjusted confusion matrix area proportions: predicted (rows) vs. observed (columns)

	(1)	(2)
mine [Red] 127 points	0.4922	0
no mine [Blue] 129 points	0.0039	0.5039

Overall accuracies

	Estimate	95 % confidence interval	
Overall accuracy	0.9961	0.9961	0.9961

Class-wise accuracies

	User's accuracy	95 % confidence interval		Producer's accuracy	95 % confidence interval		F1-score	95 % confiden
mine [Red] 127 points	1	1	1	0.9921	0.9921	0.9921	0.996	0.996
no mine [Blue] 129 points	0.9923	0.9923	0.9923	1	1	1	0.9961	0.9961

Class-wise proportion and area estimates

	Proportion	95 % confidence interval		Area [square]	95 % confidence interval	
mine [Red] 127 points	0.4961	0.4961	0.4961	127	127	127
no mine [Blue] 129 points	0.5039	0.5039	0.5039	129	129	129

Implementation is based on: Stehman, S. V., 2014. Estimating area and map accuracy for stratified random sampling when the strata are different from the map classes. Int. J. Remote Sens. 35, 4923-4939, https://doi.org/10.1080/01431161.2014.930207