

Additional file 1 Results of accuracy assessment of 950 randomly generated points in classified 2017 National Agriculture Imagery Program (NAIP) imagery. Image classification was performed to map forest and non-forest classes to quantify mature conifer canopy cover in ten fires surveyed for post-fire ponderosa pine regeneration across Arizona and New Mexico, USA (*sensu* Rodman *et al.* 2020b). Columns indicate class types determined from reference data (*i.e.*, NAIP imagery) and rows indicate class types determined from classified maps. Table includes producer's accuracy (errors of omission) and user's accuracy (errors of commission). The overall map accuracy was 91.4% and the kappa value was 0.83. The kappa statistic reflects the difference between observed accuracy and agreement expected by chance (Congalton and Green 2009). Kappa values close to 1 indicate higher agreement between reference and classified data.

	Forest	Non-forest	Total	User's accuracy (%)
Forest	441	43	483	92.5
Non-forest	39	427	467	91.8
Total	480	470	950	
Producer's accuracy (%)	91.9	91.0		91.4