Appendix 5. Burned area analysis.

Fig. A5.1. Percentage of area burned by fire in each fire severity classe/scenario.

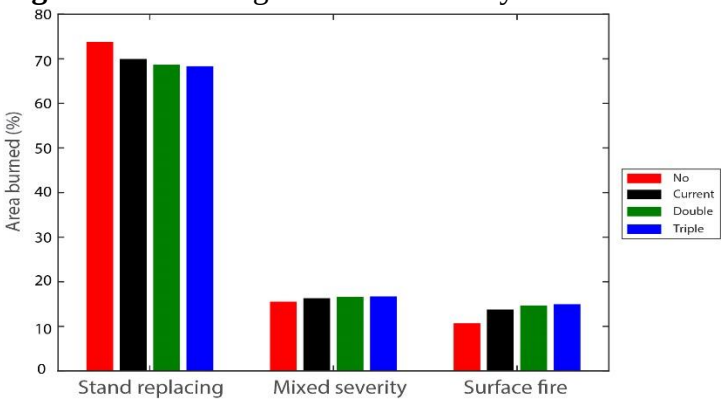

Fig. A5.2. Burned area (log10(hectares)) by stand-replacing (A), mixed severity (B) and surface (C) fire on all federal forested lands. i.e. Values in each year correspond to average area burned over the 15 simulation replicates and ± one standard error (vertical bars).

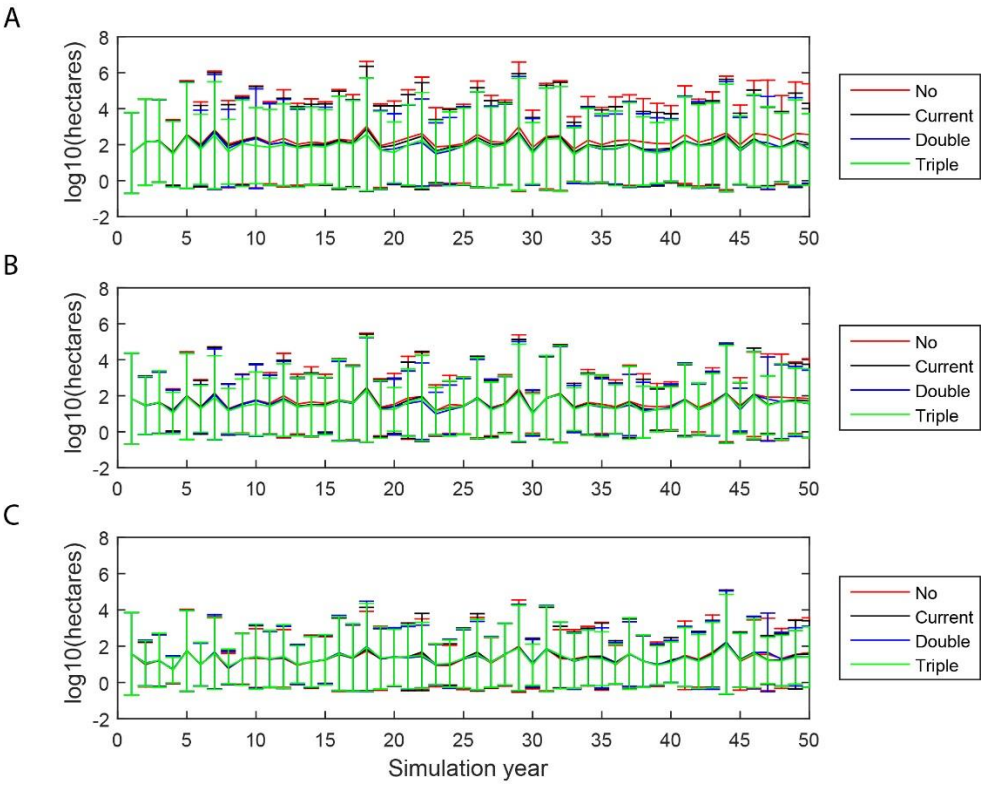

Table A5.3. Parameters (and corresponding standard error) estimated using a linear regression model with year as an explanatory variable and area burned as response variable.

	intercept	slope
No management	466.72* (87.52)	-0.2308 (3.04)
Current management	415.79* (67.08)	-2.3929 (2.34)
Double management	369.58* (58.54)	-2.0137 (2.04)
Triple management	346.46* (56.52)	-1.5696 (1.97)

*Significant, P <0.05

Table A5.4. P-values from the Kruskal-Wallis test of differences in burned area per year among all possible paired combinations of scenarios/ownership types. The null hypothesis states that data from two samples comes from the same distribution.

Ownership/ management	Scenario	Current	Double	Triple
Federal	No	0.013*	$3.5x10^{-4}$*	$1.4x10^{-4}$*
	Current		0.283	0.167
	Double			0.073
Wilderness	No	0.828	0.717	0.694
	Current		0.825	0.831
	Double			0.992
Old growth	No	0.009*	$2.4x10^{-4}$*	$2.6x10^{-5}$*
	Current		0.213	0.050
	Double			0.459
SILVIS WUI†	No	0.262	0.135	0.157
	Current		0.619	0.686
	Double			0.904

*Significantly different, P <0.05
†SILVIS Wildland Urban Interface