

Table 6: Landscape Heterogeneity of Disturbed Regional Land Cover Classes in the Fort McKay 40 FTSA (Landsat)

Landscape Measurement ^(a)	Unit	Pre-Development Scenario		Base Case	
		Burn ^(b)	Human Disturbed	Burn ^(b)	Human Disturbed
class area (CA) ^(c)	ha	40,062	2	6,750	100,978
CA proportion of Fort McKay 40 Township Block ^(c)	%	11	<1	2	27
number of patches (NP)	n/a	11	2	199	1,857
mean patch size (AREA_MN)	ha	3,642.00	0.9	33.9	54.4
median patch size (AREA_MD)	ha	854.7	0.9	6.9	0.3
patch size standard deviation (AREA_SD)	ha	8,600.50	0.3	113.1	2295.7
patch size coefficient of variation (AREA_CV)	%	236	37	334	4,222
distribution (IJ)	%	77	68	70	83

(a) A description of landscape measurements is provided in ESR, Appendix J (Golder 2007).

(b) The burn class includes all terrestrial and wetlands areas disturbed by fire.

(c) Clouds on the Landsat image prevents interpretation of regional land cover class in some areas for the pre - development scenario, so CA and CA proportions will not sum to total of the Fort McKay FTSA.

n/a = Not applicable.

Note: Some numbers are rounded for presentation purposes.