

Table 4: Landscape Heterogeneity of Terrestrial Regional Land Cover Classes in the Fort McKay FTSA (Landsat)

Landscape Measurement ^(a)	Unit	Pre-Development Scenario						Base Case					
		Coniferous Jack Pine	Coniferous Jack Pine-Black Spruce	Coniferous White Spruce	Deciduous Aspen-Balsam Poplar	Mixedwood Aspen-Jack Pine	Mixedwood Aspen-White Spruce	Coniferous Jack Pine	Coniferous Jack Pine-Black Spruce	Coniferous White Spruce	Deciduous Aspen-Balsam Poplar	Mixedwood Aspen-Jack Pine	Mixedwood Aspen-White Spruce
class area (CA) ^(b)	ha	39,920	2,556	16,943	48,444	6,584	43,722	34,045	2,416	12,205	44,918	5,772	38,325
CA proportion of Fort McKay 40 Township Block ^(b)	%	11	1	4	13	2	12	9	1	3	12	2	10
number of patches (NP)	n/a	552	97	522	781	166	1,029	943	188	822	1,987	234	2,253
mean patch size (AREA_MN)	ha	72.3	26.4	32.5	62	39.7	42.5	36.1	12.9	14.8	22.6	24.7	17
median patch size (AREA_MD)	ha	13.1	17.6	15.4	13.1	16.7	16.8	4.8	6.4	6.4	2.6	6	4.2
patch size standard deviation (AREA_SD)	ha	810.9	29.9	117.4	538.6	100.1	152	202.3	20.1	24.3	178.7	75.4	49.5
patch size coefficient of variation (AREA_CV)	%	1,121	113	362	868	252	358	560	156	164	791	306	291
distribution (JI)	%	73	72	78	75	78	78	82	83	86	79	87	84

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

(b) 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.