

**Table 5: Landscape Heterogeneity of Wetlands Regional Land Cover Classes in the Fort McKay FTSA (Landsat)**

Landscape Measurement <sup>(a)</sup>	Unit	Pre-Development Scenario				Base Case			
		Non-Treed Wetlands	Treed Bog/	Treed Fen	Water	Non-Treed Wetlands	Treed Bog/	Treed Fen	Water
			Poor Fen				Poor Fen		
class area (CA) <sup>(b)</sup>	ha	38,387	64,280	68,822	9,852	25,222	46,979	52,881	9,150
CA proportion of Fort McKay 40 Township Block <sup>(b)</sup>	%	10	17	18	3	7	12	14	2
number of patches (NP)	n/a	1,233	1,038	1,116	219	2,597	3,035	2,990	192
mean patch size (AREA_MN)	ha	31.1	61.9	61.7	45	9.7	15.5	17.7	47.7
median patch size (AREA_MD)	ha	9.2	20.4	17.4	3.1	2	3.4	3.3	2.7
patch size standard deviation (AREA_SD)	ha	90.2	191.7	233.3	378.9	28.8	37.5	54	286.1
patch size coefficient of variation (AREA_CV)	%	290	310	378	842	297	243	305	600
distribution (II)	%	74	71	71	70	83	78	76	71

(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.