

Land Use

Land Use Changes in the Lower Athabasca Region

Table 1a: Conversion – Land Use in the Lower Athabasca Region

Year	Area by Land Use Class (hectares)			
	Agricultural	Non-agricultural	Rural Residential	Urban
2011	545,850	7,067,460	8,350	24,080
2012	545,260	7,112,280	8,760	24,420
2013	544,520	7,066,790	9,020	24,400
2014	543,930	7,066,690	9,370	24,470
2015	542,380	7,066,680	9,540	24,750
2016	541,850	7,080,180	9,660	24,760
2017	541,366	7,065,200	10,088	25,731

Table 1b: Conversion – Land Use Change in the Lower Athabasca Region

Year	Net Change in Area by Land Use Class (hectares)			
	Agricultural	Non-agricultural	Rural Residential	Urban
2011-2012	-590	44,820	410	340
2012-2013	-740	-45,490	260	-20
2013-2014	-590	-100	350	70
2014-2015	-1,550	-10	170	280
2015-2016	-530	13,500	120	10
2016-2017	-484	-14,980	428	971
Total (2011-2017)	-4,484	-2,260	1,738	1,651

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Table 2a: Conversion – Area of Agricultural Land in the Lower Athabasca Region by Land Suitability Rating System Class

Year	Area by LSRS Class (hectares)						
	2	3	4	5	6	7	0
2011	170	472,050	9,590	19,980	15,070	27,740	1,260
2012	0	471,460	9,420	20,040	14,800	28,840	700
2013	0	471,190	9,280	20,150	14,790	28,410	700
2014	40	470,660	9,280	20,120	14,790	28,370	680
2015	40	470,090	9,240	20,020	14,620	28,080	300
2016	30	469,840	9,240	19,990	14,630	27,830	290
2017	29	469,700	9,236	20,003	14,627	27,476	294

Table 2b: Conversion – Change in Area of Agricultural Land by LSRS Class in the Lower Athabasca Region

Year	Net Change in Area by LSRS Class (hectares)						
	2	3	4	5	6	7	0
2011-2012	-170	-590	-170	60	-270	1,100	-560
2012-2013	0	-270	-140	110	-10	-430	0
2013-2014	40	-530	0	-30	0	-40	-20
2014-2015	0	-570	-40	-100	-170	-290	-380
2015-2016	-10	-250	0	-30	10	-250	-10
2016-2017	0	-139	-4	13	-3	-354	4
Total (2011-2017)	-141	-2,350	-354	23	-443	-264	-966

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Table 3a: Fragmentation – Parcel Size Distribution in the Lower Athabasca Region

Parcel Size (acres) Distribution in the Lower Athabasca Region (number of parcels)						
Year	Total Parcels	>240	160-240	80-160	10-80	% < 80
2011	19,343	1	1,359	7,087	2,805	14.5
2012	21,521	2	1,139	7,251	2,952	13.7
2013	19,985	2	1,351	7,076	2,888	14.5
2014	20,308	2	1,340	7,071	2,932	14.4
2015	20,414	0	1,334	7,060	2,958	14.5
2016	20,565	0	1,314	7,075	2,964	14.4
2017	21,328	0	1,315	7,065	2,971	13.9

Table 3b: Fragmentation – Annual Change in Parcel Size Distribution in the Lower Athabasca Region

Annual Change in Parcel Size (acres) Distribution in the Lower Athabasca Region (number of parcels)						
Year	Total Parcels	>240	160-240	80-160	10-80	% < 80
2011-2012	2,178	1	-220	164	147	-0.8
2012-2013	-1,536	0	212	-175	-64	0.7
2013-2014	323	0	-11	-5	44	0.0
2014-2015	106	-2	-6	-11	26	0.1
2015-2016	151	0	-20	15	6	-0.1
2016-2017	763	0	1	-10	7	-0.5
Total (2011-2017)	1,985	-1	-44	-22	166	-0.6

The data has been rounded to the nearest 10 in Tables 1a, 1b, 2a, and 2b (up until 2016) and to the nearest tenth in the percentage column of Tables 3a and 3b.