

Land Use

Land Use Changes in the Upper Athabasca Region

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

Area by Land Use Class (hectares)				
Year	Agricultural	Non-Agricultural	Rural Residential	Urban
2011	1,844,470	5,638,400	24,130	21,550
2012	1,844,390	5,637,340	24,940	21,550
2013	1,843,000	5,638,370	25,180	21,610
2014	1,840,390	5,640,200	25,530	21,610
2015	1,837,040	5,613,090	25,950	21,610
2016	1,837,060	5,642,440	26,330	21,610
2017	1,833,355	5,645,777	26,773	21,610
2018	1,832,844	5,645,827	26,978	21,606

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

Net Change in Area by Land Use Class (hectares)				
Year	Agricultural	Non-Agricultural	Rural Residential	Urban
2011-2012	-80	-1,060	810	0
2012-2013	-1,390	1,030	240	60
2013-2014	-2,610	1,830	350	0
2014-2015	-3,350	-27,110	420	0
2015-2016	20	29,350	380	0
2016-2017	-3,705	3,337	443	0
2017-2018	-510	50	205	-5
Total (2011-2018)	-11,626	7,427	2,848	56

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

Area by LSRS Class (hectares)							
Year	2	3	4	5	6	7	0 ¹
2011	225,540	994,440	238,210	87,500	75,090	222,260	1,420
2012	225,330	994,410	237,400	87,460	74,840	223,500	1,440
2013	225,210	993,370	237,610	87,570	75,000	222,800	1,440
2014	225,160	991,300	237,390	87,510	74,920	222,700	1,410
2015	225,210	989,680	237,760	86,650	74,410	221,930	1,410
2016	225,110	989,650	237,060	86,740	75,250	221,840	1,410
2017	225,104	988,201	235,678	86,668	75,001	221,252	1,450
2018	225,038	987,749	235,656	86,686	75,005	221,250	1,460

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

Net Change in Area by LSRS Class (hectares)							
Year	2	3	4	5	6	7	0
2011-2012	-210	-30	-810	-40	-250	1,240	20
2012-2013	-120	-1,040	210	110	160	-700	0
2013-2014	-50	-2,070	-220	-60	-80	-100	-30
2014-2015	50	-1,620	370	-860	-510	-770	0
2015-2016	-100	-30	-700	90	840	-90	0
2016-2017	-6	-1,449	-1,382	-72	-249	-588	40
2017-2018	-65	-452	-22	17	4	-3	10
Total (2011-2018)	-502	-6,691	-2,554	-814	-85	-1,010	40

¹ Not classified

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

Parcel Size (acres) Distribution in Alberta (number of parcels)						
Year	Total Parcels	>240	160-240	80-160	10-80	% < 80
2011	59,560	0	3,735	24,082	9,705	16.3
2012	62,909	0	3,557	24,140	10,131	16.1
2013	60,847	0	3,677	24,041	10,141	16.7
2014	61,039	0	3,637	24,018	10,290	16.9
2015	61,283	0	3,609	23,979	10,423	17.0
2016	61,564	0	3,564	24,008	10,551	17.1
2017	61,933	0	3,548	23,945	10,615	17.1
2018	62,213	0	3,526	23,946	10,768	17.3

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

Annual Change in Parcel Size (acres) Distribution in Alberta (number of parcels)						
Year	Total Parcels	>240	160-240	80-160	10-80	% < 80
2011-2012	3,349	0	-178	58	426	-0.2
2012-2013	-2,062	0	120	-99	10	0.6
2013-2014	192	0	-40	-23	149	0.2
2014-2015	244	0	-28	-39	133	0.1
2015-2016	281	0	-45	29	128	0.1
2016-2017	369	0	-16	-63	64	0.0
2017-2018	280	0	-22	1	153	0.2
Total (2011-2018)	2,653	0	-209	-136	1,063	1.0

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.