

## Appendix A: Jackson Creek Impervious Cover Calculations

Table 1: Jackson Creek Current Impervious Cover Calculation Spreadsheet

Current Impervious Cover Calculation							
Category	Description	Acreage	% Coefficient	Coefficient	IC acreage	% of Total Acreage	% of Total IC Acreage
AG	Agriculture	493.22	1.9	0.019	9.37	10.01%	0.86%
RR	Rural Residential	962.96	10.6	0.106	102.07	19.54%	9.39%
R	Residential District	570.75	14.3	0.143	81.62	11.58%	7.51%
R1	Urban Residential	641.69	21.2	0.212	136.04	13.02%	12.52%
R2	Urban Residential	1203.62	27.8	0.278	334.61	24.42%	30.80%
R3	Urban Residential	154.31	30.0	0.300	46.29	3.13%	4.26%
R4	Urban Residential	309.26	32.6	0.326	100.82	6.27%	9.28%
RO	Residential/Office	48.49	44.4	0.444	21.53	0.98%	1.98%
B1	Neighborhood Business	0.00	72.2	0.722	0.00	0.00%	0.00%
UBI	Unbuilt Institutional	0.00	21.9	0.219	0.00	0.00%	0.00%
CH	Churches	100.68	39.9	0.399	40.17	2.04%	3.70%
SC	Schools	69.67	30.3	0.303	21.11	1.41%	1.94%
MU	Municipal	36.60	32.4	0.324	11.86	0.74%	1.09%
GO	Golf Courses	0.00	5.0	0.050	0.00	0.00%	0.00%
CM	Cemeteries	0.00	8.3	0.083	0.00	0.00%	0.00%
PK	Parks	81.79	12.5	0.125	10.22	1.66%	0.94%
B3	General Business	229.88	72.2	0.722	165.97	4.66%	15.28%
C1	General Industrial	0.00	53.4	0.534	0.00	0.00%	0.00%
L1	Light Industrial	0.00	53.4	0.534	0.00	0.00%	0.00%
PB	Pre-Existing Business (custom)	0.00	0.0	0.000	0.00	0.00%	0.00%
Q	Quarry (custom)	26.27	18.5	0.185	4.86	0.53%	0.45%
	<b>Total Acreage</b>	<b>4929.19</b>			<b>1086.54</b>	<b>100.00%</b>	<b>100.00%</b>
	<b>%IC</b>	<b>22.04%</b>					

**Table 2: Jackson Creek Future Impervious Cover Calculation**

<b>Future Impervious Cover Calculation</b>								
<b>Category</b>	<b>Description</b>	<b>Acreage</b>	<b>% Coefficient</b>	<b>Coefficient</b>	<b>IC acreage</b>	<b>% of Total Acreage</b>	<b>% of Total IC Acreage</b>	
AG	Agriculture	3.85	1.9	0.019	0.07	0.08%	0.01%	
RR	Rural Residential	672.45	10.6	0.106	71.28	13.64%	6.80%	
R	Residential District	1043.56	14.3	0.143	149.23	21.17%	14.24%	
R1	Urban Residential	1398.36	21.2	0.212	296.45	28.36%	28.29%	
R2	Urban Residential	713.22	27.8	0.278	198.28	14.47%	18.92%	
R3	Urban Residential	52.36	30.0	0.300	15.71	1.06%	1.50%	
R4	Urban Residential	325.53	32.6	0.326	106.12	6.60%	10.13%	
RO	Residential/Office	14.74	44.4	0.444	6.54	0.30%	0.62%	
B1	Neighborhood Business	14.12	72.2	0.722	10.19	0.29%	0.97%	
B2	Institutional	143.56	21.9	0.219	31.44	2.91%	3.00%	
CH	Churches	6.62	39.9	0.399	2.64	0.13%	0.25%	
B3	General Business	205.22	72.2	0.722	148.17	4.16%	14.14%	
C1	General Industrial	0.00	53.4	0.534	0.00	0.00%	0.00%	
L1	Light Industrial	10.40	53.4	0.534	5.55	0.21%	0.53%	
PB	Pre-Existing Business*	0.00	72.2	0.722	0.00	0.00%	0.00%	
Q	Quarry (same as current IC%)	1.00	18.5	0.185	0.19	0.02%	0.02%	
FL	Floodplain	325.13	1.9	0.019	6.18	6.59%	0.59%	
	<b>Total Acreage</b>	<b>4930.12</b>			<b>1048.05</b>	<b>100.00%</b>	<b>100.00%</b>	
	<b>%IC</b>	<b>21.26%</b>						
	*General Business coefficient used because PB was not present/calculated in current IC calculations.							