

Series: Circles, Time Period: 2009

[illegible]

[illegible]

[illegible]

Leaf Area and Biomass for Trees in Edmonton by DBH Class and Land Use

Series: Circles, Time Period: 2009

		DBH		38.2 - 45.7						45.8 - 53.3						53.4 - 61.0						61.1 - 68.6					
		LeafArea(km2)		Biomass(amt)		LeafArea(km2)		Biomass(amt)		LeafArea(km2)		Biomass(amt)		LeafArea(km2)		Biomass(amt)		LeafArea(km2)		Biomass(amt)		LeafArea(km2)		Biomass(amt)			
Land Use	Species	Val	SE	Val	SE	Val	SE	Val	SE	Val	SE	Val	SE	Val	SE	Val	SE	Val	SE	Val	SE	Val	SE				
Ag/Urban Res.	Quaking aspen	0.43	0.34	33.85	26.53																						
	Balsam poplar	0.27	0.27	19.49	19.49																						
	Blue spruce	1.68	1.68	285.07	285.04																						
	American mountain ash					0.20	0.20	16.16	16.15																		
	Common lilac					0.17	0.17	16.56	16.56																		
	Crabapple					0.12	0.12	10.47	10.47																		
	Laurel leaved willow					1.88	1.88	115.80	115.79																		
	Total	2.38	1.73	338.41	286.40	2.37	1.89	158.99	118.08																		
Commercial	Balsam poplar	0.78	0.78	56.62	56.62																						
	Total	0.78	0.78	56.62	56.62																						
Industrial	Balsam poplar	1.34	1.34	96.82	96.81																						
	White spruce	2.91	2.25	466.79	360.90																						
	Blue spruce					1.25	1.25	212.74	212.72																		
	Common lilac									0.71	0.55	68.80	53.09														
	Siberian elm	3.85	3.85	262.47	262.45					6.06	6.06	412.99	412.95														
	European bird cherry	0.18	0.18	13.62	13.62																						
	Total	8.28	4.56	839.71	446.77	1.25	1.25	212.74	212.72	6.78	6.58	481.79	463.03														
Park	White spruce	1.59	1.59	255.04	255.02																						
	Blue spruce	0.29	0.29	49.98	49.97					1.53	1.53	260.23	260.20														
	Boxelder					0.47	0.47	42.80	42.79	0.33	0.33	30.35	30.35														
	Paper birch	0.82	0.81	56.99	56.99																						
	Green ash	0.44	0.44	28.92	28.92																						
	American elm					4.13	4.13	300.36	300.33																		
	Balm-of-gilead					1.78	1.78	128.76	128.75																		
	Lodgepole pine					0.73	0.73	140.06	140.04																		
	Total	3.14	1.89	390.93	268.83	7.11	4.49	611.98	348.11	1.87	1.56	290.58	261.10														
Residential	Quaking aspen	0.27	0.27	20.92	20.92																						
	Balsam poplar	0.75	0.53	54.43	38.32	1.51	1.51	109.02	109.01																		
	White spruce	1.46	1.46	234.60	234.57	0.22	0.22	35.91	35.91																		
	Blue spruce	1.50	1.50	254.97	254.94																						
	Willow	0.43	0.36	26.25	22.29	0.68	0.49	42.27	30.34	0.49	0.45	30.08	27.63														
	Boxelder	0.63	0.58	58.06	53.46					0.06	0.06	5.88	5.88														
	Green ash	1.10	1.10	71.58	71.57																						
	Balm-of-gilead	0.27	0.27	19.53	19.53					1.40	1.40	100.95	100.94														
	Common lilac	0.05	0.05	4.76	4.76					0.67	0.47	64.42	45.67														
	Crabapple	0.16	0.16	13.97	13.97																						
	Littleleaf linden					2.26	2.26	168.95	168.93																		
	Siberian pea tree									0.26	0.26	19.17	19.17														
	Total	6.62	2.51	759.06	356.63	4.67	2.74	356.15	204.17	2.88	1.55	220.51	114.31														
Institutional	Balsam poplar	0.11	0.11	7.83	7.83																						
	White spruce	2.18	2.18	350.93	350.88	0.75	0.75	119.79	119.77																		
	Total	2.29	2.29	358.76	358.71	0.75	0.75	119.79	119.77																		

CITY TOTAL	Total		23.50	6.28	2,743.49	782.92	16.16	5.78	1,459.64	486.22	11.52	6.94	992.88	543.73	6.18	4.76	473.74	352.95
------------	-------	--	-------	------	----------	--------	-------	------	----------	--------	-------	------	--------	--------	------	------	--------	--------

Leaf Area and Biomass for Trees in Edmonton by DBH Class and Land Use

Series: Circles, Time Period: 2009

		DBH				68.7 - 76.2				76.3 - 83.8				83.9 - 91.4			
Land Use	Species	LeafArea(km2)		Biomass(mt)		LeafArea(km2)		Biomass(mt)		LeafArea(km2)		Biomass(mt)		LeafArea(km2)		Biomass(mt)	
		Val	SE	Val	SE	Val	SE	Val	SE	Val	SE	Val	SE	Val	SE	Val	SE
Ag/Urban Res.	American elm	3.46	3.46	251.33	251.30												
	Common lilac	0.19	0.19	18.80	18.80												
	Total	3.65	3.65	270.13	270.11												
Industrial	Common lilac													0.15	0.15	14.37	14.37
	Total													0.15	0.15	14.37	14.37
Park	American elm	0.63	0.63	45.50	45.49												
	Total	0.63	0.63	45.50	45.49												
Residential	Boxelder					0.10	0.10	8.97	8.97								
	Common lilac	0.23	0.23	22.60	22.60												
	Total	0.23	0.23	22.60	22.60	0.10	0.10	8.97	8.97								
Institutional	Common lilac	0.23	0.23	21.79	21.78												
	Total	0.23	0.23	21.79	21.78												
CITY TOTAL	Total	4.74	3.72	360.01	275.70	0.10	0.10	8.97	8.97	0.15	0.15	14.37	14.37				

Leaf Area and Biomass for Trees in Edmonton by DBH Class and Land Use

Series: Circles, Time Period: 2009

DBH		3 - 6						6 - 9						9 - 12						12 - 15					
Land Use	Species	LeafArea(mi2)			Biomass(t)			LeafArea(mi2)			Biomass(t)			LeafArea(mi2)			Biomass(t)			LeafArea(mi2)			Biomass(t)		
		Val	SE		Val	SE		Val	SE		Val	SE		Val	SE		Val	SE		Val	SE				
Ag/Urban Res.	Quaking aspen	1.09	0.57		243.94	127.79		1.11	0.78		250.07	174.17		0.29	0.17		64.00	38.74		0.02	0.02		4.59	4.59	
	Balsam poplar	0.40	0.25		79.87	50.62		0.78	0.53		160.04	107.86		1.05	0.69		216.50	141.55		0.85	0.46		174.14	93.54	
	White spruce							1.07	0.65		489.87	298.27								0.35	0.35		159.53	159.50	
	Blue spruce	0.05	0.04		22.85	16.42		0.14	0.10		65.91	48.63		0.38	0.38		185.33	185.32		1.39	1.39		673.68	673.63	
	American mountain ash							0.05	0.05		12.67	12.67													
	Willow	0.04	0.04		6.40	6.40																			
	Boxelder																								
	Western service berry	0.04	0.04		9.98	9.98		0.30	0.19		78.35	48.22		0.34	0.25		88.34	65.82		0.10	0.10		25.25	25.25	
	Paper birch	0.04	0.04		7.46	7.46		0.17	0.17		34.70	34.69													
	Green ash	0.19	0.17		35.69	31.90		1.09	0.86		203.42	159.44													
	American elm	0.09	0.07		17.25	14.50								0.24	0.24		49.02	49.01							
	Northern white cedar	0.09	0.06		50.53	33.81																			
	Crabapple	0.21	0.19		51.06	47.88																			
	Common chokecherry	0.27	0.27		60.81	60.80																			
	Lodgepole pine	0.22	0.22		118.93	118.92																			
	Gray poplar							0.01	0.01		1.30	1.30													
	Canada plum	0.03	0.03		7.08	7.08																			
	Scotch pine							0.04	0.04		10.01	10.01		0.07	0.07		17.65	17.65							
	Siberian crabapple													0.04	0.04		8.64	8.63							
	Rocky mountain juniper																								
	Manzano de flor	0.01	0.01		10.08	10.08		0.13	0.13		31.91	31.91													
	Amur chokecherry																								
	Total	2.75	0.91		725.12	252.39		4.89	1.60		1,338.25	441.365		2.39	0.86		629.48	246.27		2.90	1.54		1,082.07	703.33	
Commercial	Balsam poplar							0.05	0.05		9.67	9.67													
	Boxelder	0.03	0.03		7.51	7.51								0.28	0.28		72.11	72.11							
	American elm	0.05	0.05		10.16	10.16																			
	Lodgepole pine	0.02	0.02		11.78	11.78		0.04	0.04		24.27	24.27													
	Gray poplar							0.04	0.04		7.43	7.43													
	Scotch pine	0.00	0.00		1.29	1.29																			
	Pin cherry	0.01	0.01		1.82	1.82		0.01	0.01		1.24	1.24													
	White willow																								
	Total	0.12	0.07		32.57	22.37		0.00	0.00		0.50	0.50		0.01	0.01		1.90	1.90							
Industrial	Quaking aspen	0.02	0.02		3.65	3.65																			
	Balsam poplar	0.00	0.00		1.12	1.12		0.12	0.12		24.56	24.55													
	White spruce	0.04	0.04		18.28	18.28		0.55	0.38		253.10	172.42		0.19	0.19		87.78	87.77		1.55	1.17		710.01	536.31	
	Blue spruce													0.94	0.94		455.93	455.90							
	American mountain ash	0.00	0.00		0.99	0.99		0.03	0.03		5.97	5.97		0.08	0.08		18.56	18.56		0.10	0.10		21.74	21.74	
	Boxelder	0.15	0.15		40.07	40.07		0.13	0.13		32.78	32.78		0.19	0.19		48.55	48.55							
	Western service berry	0.00	0.00		0.89	0.89																			
	Paper birch	0.04	0.04		8.27	8.27																			
	Green ash	0.03	0.03		5.94	5.94		0.27	0.27		50.84	50.84		0.02	0.02		4.33	4.33		0.46	0.46		84.72	84.71	

	American elm			0.44	0.44							0.22	0.22	45.35	45.35				
	Common lilac											0.02	0.02	6.57	6.57	0.06	0.05	16.48	13.60
	Northern white cedar	0.07	0.06	38.87	31.58							0.04	0.04	22.20	22.20				
	Crabapple					0.07	0.07	17.68	17.68			0.12	0.09	28.73	23.23				
	European aspen	0.01	0.01	2.25	1.96	0.04	0.03	8.18	6.43			0.07	0.07	15.99	15.99				
	Common chokecherry											0.20	0.20	107.64	107.64	0.27	0.27	150.95	150.94
	Lodgepole pine																		
	Siberian crabapple	0.04	0.04	9.71	9.71											0.07	0.07	12.48	12.48
	European white birch					0.03	0.03	5.19	5.19										
	Siberian elm					0.06	0.06	11.27	11.27										
	European bird cherry	0.01	0.01	2.01	2.01	0.22	0.22	48.30	48.30										
	Spruce	0.00	0.00	1.78	1.78														
	Jack pine															0.43	0.43	103.23	103.23
	Linden					0.15	0.15	20.19	20.19										
	Red elderberry									0.01	0.01	2.36	2.36						
	Littleleaf linden															0.12	0.12	26.44	26.44
	Total	0.43	0.19	134.27	56.50	1.67	0.57	478.08	194.34	2.10	1.12	843.99	498.48	3.07	1.34	1,126.07	566.88		
Park	Quaking aspen	0.07	0.07	14.30	14.30					0.04	0.04	9.20	9.20					31.83	31.82
	Balsam poplar	0.09	0.07	18.88	14.21	0.17	0.14	35.52	29.21	0.07	0.07	14.53	14.53	0.15	0.15				
	White spruce	0.02	0.02	9.08	9.08	0.03	0.02	12.74	8.90	0.29	0.21	131.85	97.52						
	Blue spruce	0.10	0.10	48.04	48.03	0.09	0.09	44.54	44.53	0.27	0.27	132.87	132.86						
	Willow	0.01	0.01	1.39	1.39														
	Boxelder	0.05	0.04	13.85	10.04	0.02	0.02	5.29	5.29	0.06	0.04	15.99	11.52						
	Paper birch	0.02	0.02	4.06	4.06	0.27	0.27	54.48	54.47	0.03	0.03	6.26	6.26	0.80	0.68	158.58	135.00		
	Green ash	0.36	0.20	65.83	36.95	0.06	0.06	11.40	11.40	0.32	0.32	59.34	59.33						
	American elm	0.78	0.78	161.15	161.12	0.20	0.20	41.60	41.60										
	Balm-of-gilead	0.17	0.16	34.47	32.63	0.19	0.14	39.43	27.75										
Residential	Common lilac					0.03	0.03	8.17	8.17							0.11	0.08	30.26	21.09
	Crabapple									0.17	0.17	42.71	42.71	0.17	0.17	41.57	41.57		
	Lodgepole pine													0.40	0.40	221.12	221.10		
	Gray poplar					0.02	0.02	4.02	4.02										
	Canada plum									0.02	0.02	5.14	5.14						
	Mountain alder	0.01	0.01	1.33	1.33														
	Siberian elm									0.43	0.43	84.24	84.23						
	Jack pine													0.15	0.15			35.38	35.37
	Norway spruce									0.09	0.09	42.32	42.32						
	Total	1.66	0.82	372.39	175.99	1.09	0.41	257.19	92.52	1.80	0.80	544.46	241.89	1.78	0.81	518.74	259.26		
Residential	Quaking aspen	2.15	0.80	484.71	173.22	1.86	0.90	417.61	203.45	0.32	0.21	72.48	46.09	0.07	0.07	16.68	16.68		
	Balsam poplar	0.16	0.07	33.49	15.29	0.54	0.44	110.86	91.09	0.20	0.15	40.77	31.05	0.37	0.25	75.61	51.03		
	White spruce	0.42	0.21	194.66	97.44	0.47	0.28	214.17	127.56	1.28	1.00	587.41	456.50	0.56	0.56	258.12	258.09		
	Aspen													0.10	0.10	19.72	19.72		
	Blue spruce	0.41	0.22	195.88	106.69	0.15	0.10	71.88	51.04	0.78	0.66	375.09	319.45	0.84	0.54	405.91	263.21		
	American mountain ash					0.26	0.26	57.88	57.88	0.35	0.35	79.30	79.29	0.46	0.34	104.56	77.96		
	Tamarack					0.03	0.03	3.46	3.46	0.21	0.21	28.20	28.20	0.12	0.12	16.51	16.51		
	Willow	0.02	0.02	2.78	2.39	0.18	0.13	31.08	22.55	0.13	0.08	22.84	13.82	0.21	0.18	36.09	32.07		
	Boxelder	0.03	0.03	6.80	6.80					0.11	0.11	28.33	28.32	0.21	0.21	53.45	53.45		
	Western service berry	0.02	0.02	6.33	6.33					0.01	0.01	3.12	3.12						

[illegible]

CITY TOTAL	Total		9.07	2.43	3,024.15	863.01	6.24	2.23	1,608.96	535.96	4.45	2.68	1,094.45	599.35	2.39	1.84	522.20	389.06
------------	-------	--	------	------	----------	--------	------	------	----------	--------	------	------	----------	--------	------	------	--------	--------

Leaf Area and Biomass for Trees in Edmonton by DBH Class and Land Use

Series: Circles, Time Period: 2009

DBH		27 - 30				30 - 33				33 - 36			
Land Use	Species	LeafArea(mi2)		Biomass(t)		LeafArea(mi2)		Biomass(t)		LeafArea(mi2)		Biomass(t)	
Ag/Urban Res.	American elm	Val	SE	Val	SE	Val	SE	Val	SE	Val	SE	Val	SE
	Common lilac	1.34	1.34	277.04	277.01								
		0.07	0.07	20.72	20.72								
	Total	1.41	1.41	297.76	297.74								
Industrial	Common lilac									0.06	0.06	15.84	15.84
	Total									0.06	0.06	15.84	15.84
Park	American elm	0.24	0.24	50.15	50.14								
	Total	0.24	0.24	50.15	50.14								
Residential	Boxelder					0.04	0.04	9.89	9.89				
	Common lilac	0.09	0.09	24.91	24.91								
	Total	0.09	0.09	24.91	24.91	0.04	0.04	9.89	9.89				
Institutional	Common lilac	0.09	0.09	24.02	24.01								
	Total	0.09	0.09	24.02	24.01								
CITY TOTAL	Total	1.83	1.44	396.84	303.90	0.04	0.04	9.89	9.89	0.06	0.06	15.84	15.84