

Lower Olentangy River Ecosystem Restoration Project

City of Columbus Capital Improvements Project No. 650706

Ohio State University Research Foundation (OSURF) Project 60005536

Data Section 5

Riparian Vegetation

Riparian Vegetation

Trans ect	Point	Quart er	Species	Distance from Center Pt. (m)	Diameter (cm)	Distance (Angle)	Angle Degrees	Calculated Height (meters)
T1	Pt 1	Q1	<i>Acer negundo</i>	4.05	27	4.05	33	4.28
T1	Pt 1	Q2	<i>Acer negundo</i>	0.55	42	0.55	20	1.85
T1	Pt 1	Q3	<i>Juglans cinera</i>	3.07	154	17.27	34	13.3
T1	Pt 1	Q4	<i>Acer sacchrum</i>	1.45	387	15.1	35	12.22
T1	Pt 2	Q1	<i>Acer negundo</i>	4.20	110	~	~	16.2
T1	Pt 2	Q2	<i>Maclura pomifera</i>	4.95	143	9.5	25	6.08
T1	Pt 2	Q3	<i>Acer negundo</i>	7.30	82	9.5	30	7.13
T1	Pt 2	Q4	<i>Acer negundo</i>	1.00	172	13	36	11.1
T1	Pt 3	Q1	<i>Acer negundo</i>	3.90	41.8	9.5	40	9.62
T1	Pt 3	Q2	<i>Maclura pomifera</i>	6.20	167.2	11.5	20	15.35
T1	Pt 3	Q3	<i>Acer negundo</i>	4.52	104	7.2	40	7.69
T1	Pt 3	Q4	<i>Acer negundo</i>	2.50	61.5	6.5	27	4.96
T1	Pt 4	Q1	<i>Aesculus glabra</i>	3.30	28	4.8	29	1.67
T1	Pt 4	Q2	<i>Acer negundo</i>	3.60	66	8	38	7.9
T1	Pt 4	Q3	<i>Acer negundo</i>	5.70	145	8	28	7.9
T1	Pt 4	Q4	<i>Acer negundo</i>	2.60	27	4.8	20	3.34
T1	Pt 5	Q1	<i>Acer saccharinum</i>	7.60	134	14	40	13.4
T1	Pt 5	Q2	<i>Acer negundo</i>	4.61	119	4.62	20	3.33
T1	Pt 5	Q3	<i>Acer negundo</i>	4.50	90	4.6	34	5
T1	Pt 5	Q4	* <i>Aesculus glabra</i>	4.40	110	7.6	25	10.71
T1	Pt 6	Q1	<i>Acer negundo</i>	4.20	15	5.1	50	7.73
T1	Pt 6	Q2	<i>Acer negundo</i>	9.40	75	4	55	7.36
T1	Pt 6	Q3	<i>Aesculus glabra</i>	13.10	26	4	65	1023
T1	Pt 6	Q4	<i>Acer sacchrum</i>	8.30	132	6.2	18	3.66
T1	Pt 7	Q1	<i>Acer negundo</i>	4.00	130	7.5	16	3.8
T1	Pt 7	Q2	<i>Celtis laevigata</i>	4.30	10	14.4	28	9.31
T1	Pt 7	Q3	<i>Acer negundo</i>	2.40	114	6.06	35	5.9
T1	Pt 7	Q4	<i>Salix nigra</i>	3.90	13	6.06	60	12.15
T1	Pt 8	Q1	<i>Acer negundo</i>	4.20	107	9.95	38	9.42
T1	Pt 8	Q2	<i>Aesculus glabra</i>	2.17	12.5	9.95	68	26.28
T1	Pt 8	Q3	<i>Aesculus glabra</i>	6.37	36	9.95	48	12.7
T1	Pt 8	Q4	<i>Aesculus glabra</i>	2.60	68	8.75	39	8.74
T1	Pt 9	Q1	<i>Aesculus glabra</i>	2.30	21	7.32	34	6.59
T1	Pt 9	Q2	<i>Ulmus porecea</i>	2.50	57	7	36	6.74
T1	Pt 9	Q3	<i>Salix nigra</i>	7.55	48	8.6	34	7.45
T1	Pt 9	Q4	<i>Acer negundo</i>	1.90	10	8.6	47	10.87
T1	Pt 10	Q1	<i>Platanus occidenta</i>	7.90	293	28.4	31	18.7
T1	Pt 10	Q2	<i>Aesculus glabra</i>	1.90	36	7.8	42	8.67
T1	Pt 10	Q3	<i>Aesculus glabra</i>	6.05	13	9.77	43	10.76
T1	Pt 10	Q4	<i>Acer negundo</i>	5.74	81	7.8	77	35.43
T1	Pt 11	Q1	<i>Acer negundo</i>	1.01	19	0.64	45	
T1	Pt 11	Q2	<i>Aesculus glabra</i>	3.82	92	8.1	45	
T1	Pt 11	Q3	<i>Acer negundo</i>	4.51	76	12.45	45	
T1	Pt 11	Q4	<i>Juglans cinera</i>	1.55	64	11.82	45	
T1	Pt 12	Q1	<i>Acer negundo</i>	5.61	19	5.86	45	

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T1	Pt 12	Q2	<i>Aesculus glabra</i>	8.4	12	96	45	
T1	Pt 12	Q3	<i>Aesculus glabra</i>	3.55	53	7.75	45	
T1	Pt 12	Q4	<i>Acer negundo</i>	2.4	24	5.66	45	
T1	Pt 13	Q1	<i>Salix nigra</i>	0.95	19	6.94	45	
T1	Pt 13	Q2	<i>Aesculus glabra</i>	4.7	75	8.6	45	
T1	Pt 13	Q3	<i>Ulmus porecea</i>	1.9	37	10.55	45	
T1	Pt 13	Q4	<i>Acer negundo</i>	4.3	238	19.85	45	
T1	Pt 14	Q1	<i>Acer negundo</i>	3.93	15	6.2	45	
T1	Pt 14	Q2	<i>Aesculus glabra</i>	5.3	47	13.65	45	
T1	Pt 14	Q3	<i>Aesculus glabra</i>	2.14	64	11.7	45	
T1	Pt 14	Q4	<i>Aesculus glabra</i>	3.35	124	15.55	45	
T1	Pt 15	Q1	<i>Acer negundo</i>	2.99	12	4.1	45	
T1	Pt 15	Q2	<i>Aesculus glabra</i>	0.95	33	5.4	45	
T1	Pt 15	Q3	<i>Aesculus glabra</i>	3.95	51	8.5	45	
T1	Pt 15	Q4	<i>Acer negundo</i>	0.87	10	5.9	45	
T1	Pt 16	Q1	<i>Acer negundo</i>	1.8	13	4.3	45	
T1	Pt 16	Q2	<i>Aesculus glabra</i>	5.3	65	11.75	45	
T1	Pt 16	Q3	<i>Acer negundo</i>	6.87	20	6.12	45	
T1	Pt 16	Q4	<i>Acer negundo</i>	1.7	10	3.5	45	
T1	Pt 17	Q1	<i>Acer negundo</i>	5.7	38	7.7	45	
T1	Pt 17	Q2	<i>Acer negundo</i>	4.9	10	2.35	45	
T1	Pt 17	Q3	<i>Aesculus glabra</i>	4.35	88	10.95	45	
T1	Pt 17	Q4	<i>Maclura pomifera</i>	3.61	206	19	45	
T1	Pt 18	Q1	<i>Acer negundo</i>	3.6	7	1.6	45	
T1	Pt 18	Q2	<i>Aesculus glabra</i>	3.5	68	6.7	65	
T1	Pt 18	Q3	<i>Acer negundo</i>	1.59	40	4.74	45	
T1	Pt 18	Q4	<i>Celtis occidentalis</i>	1.5	29	4.4	45	
T1	Pt19	Q1	<i>Acer negundo</i>	1.8	30	4.07	45	
T1	Pt 19	Q2	<i>Aesculus glabra</i>	0.8	8	13.9	45	
T1	Pt 19	Q3	<i>Acer negundo</i>	3.5	53	5.2	45	
T1	Pt 19	Q4	<i>Acer negundo</i>	8.2	40	5.3	45	
T1	Pt 20	Q1	* <i>Acer negundo</i>	0.68	93	10.1	25	
T1	Pt 20	Q2	<i>Acer negundo</i>	2.27	10	2.7	45	
T1	Pt 20	Q3	<i>Acer negundo</i>	0.73	34	5.3	45	
T1	Pt 20	Q4	<i>Salix nigra</i>	0.7	72	10.1	25	
			* Dead	310.06				
				665 trees/ha				

Transect 2

<i>Species</i>	Distance from Center Pt. (m)	Diameter (cm)	Distance (Angle)	Angle Degrees	Calculated Height (meters)
<i>Acer negundo</i>	11.4	136	15.2	43	15.85
<i>Aesculus glabra</i>	3.66	36.3	9	45	10.68
<i>Aesculus glabra</i>	6.88	12	2.4	45	4.08
<i>Acer negundo</i>	5.5	110	21.6	45	23.28
<i>Morus alba</i>	2.05	15	4.2	45	5.88
<i>Acer negundo</i>	4.05	201	22.3	45	23.98
<i>Aesculus glabra</i>	5.14	16	3.9	45	5.58
<i>Acer negundo</i>	9.2	136	15.2	45	16.88
<i>Acer negundo</i>	3.9	172	14.95	37	12.95
<i>Aesculus glabra</i>	4.2	26	9.2	37	8.61
<i>Acer negundo</i>	4.9	79	5.33	45	7.01
<i>Acer negundo</i>	3.4	85	12	33	9.47
<i>Aesculus glabra</i>	9.45	63	21.15	45	22.83
<i>Aesculus glabra</i>	1.4	43	8.85	39	8.85
<i>Aesculus glabra</i>	2.3	24	7.6	45	9.28
<i>Aesculus glabra</i>	2	99	4.2	45	5.88
<i>Celtis occidentalis</i>	3.11	45	10	40	11.68
<i>Aesculus glabra</i>	1.91	35	8.5	45	10.18
<i>Aesculus glabra</i>	2.45	18	5.5	45	7.18
<i>Platanus occidentalis</i>	3.13	205	14.25	22	7.44
<i>Aesculus glabra</i>	0.82	40	6.9	45	8.58
<i>Aesculus glabra</i>	3.5	25	4.3	45	5.98
<i>Aesculus glabra</i>	2.09	25	6.31	45	8
<i>Aesculus glabra</i>	2.04	23	7.092	45	8.77
<i>Aesculus glabra</i>	4.49	24	6.01	45	7.69
<i>Acer negundo</i>	1.8	91	6.7	45	8.38
<i>Acer negundo</i>	3.2	26	10.3	35	8.89
<i>Juglans nigra</i>	3.6	51	10.35	40	10.36
<i>Aesculus glabra</i>	6.9	48	7.25	45	8.93
<i>Celtis occidentalis</i>	4.6	180	17.1	29	11.16
<i>Aesculus glabra</i>	6.9	74	13.65	45	15.33
<i>Acer negundo</i>	1.82	94	3.36	45	5.04
<i>Acer negundo</i>	4.31	30	10.7	45	12.38
<i>Acer negundo</i>	2.19	19+29	6.5	43	7.74
<i>Aesculus glabra</i>	2.7	13	4.6	45	6.28
<i>Acer negundo</i>	4	43	8.45	40	8.77
<i>Aesculus glabra</i>	5.8	45	6.81	45	8.49
<i>Aesculus glabra</i>	2	52	8.9	45	10.58
<i>Aesculus glabra</i>	3.65	56+47	6.95	45	8.63
<i>Aesculus glabra</i>	4.5	51	7.11	45	8.79
	160.94				

Transect 3

Species	Distance from Center Pt. (m)	Diameter (cm)	Distance (Angle)	Angle Degrees
<i>Aesculus glabra</i>	0.75	10	2.4	45
<i>Aesculus glabra</i>	1.5	17.5	4	45
<i>Acer negundo</i>	3.2	84.5	8.3	35
<i>Gleditsia triacanthos</i>	0.8	68+53+67	11.7	23
<i>Aesculus glabra</i>	2.7	118.5	2.6	39
<i>Morus rubra</i>	5.25	17	5.25	40
<i>Ulmus porecea</i>	0.95	24.5	7.35	23
<i>Acer negundo</i>	3.3	60	4.55	45
<i>Acer negundo</i>	4.46	12	4.46	20
<i>Ulmus porecea</i>	2.49	25	5.5	30
<i>Acer negundo</i>	3.7	61.5	4.15	43
<i>Celtis occidentalis</i>	2.7	28.5	3.95	23
<i>Aesculus glabra</i>	2.1	15	2.1	29
<i>Acer negundo</i>	1.65	17	1.65	27
<i>Aesculus glabra</i>	3.1	21.5	3.1	8
<i>Acer negundo</i>	3.65	50	3.65	24
<i>Aesculus glabra</i>	1.59	65+24	1.59	28
<i>Acer negundo</i>	1.58	15	1.58	24
<i>Aesculus glabra</i>	2.55	40+34	2.55	44
<i>Aesculus glabra</i>	5.52	15+9	11.28	22
<i>Ulmus porecea</i>	1.89	228	4.9	20
<i>Celtis occidentalis</i>	1.8	65	2.9	30
<i>Aesculus glabra</i>	1.36	11	1.36	43
<i>Aesculus glabra</i>	2.81	21	2.81	30
<i>Aesculus glabra</i>	0.65	24+13	4.1	45
<i>Aesculus glabra</i>	4.35	53	4.35	28
<i>Aesculus glabra</i>	1.85	48.5	3.59	45
<i>Aesculus glabra</i>	4.55	44	4.55	30
<i>Aesculus glabra</i>	3.62	31	3.62	32
<i>Aesculus glabra</i>	3.02	107	3.02	40
<i>Acer negundo</i>	6.42	84.5	6.42	30
<i>Aesculus glabra</i>	5	42	5	35
<i>Salix nigra</i>	8.34	47+15	8.34	48
<i>Acer negundo</i>	4.45	31+31	4.45	15
<i>Aesculus glabra</i>	2.1	9.5	2.1	58
<i>Aesculus glabra</i>	6.3	25.5	6.3	45
<i>Asimina triloba</i>	3.29	11.5+11.5	3.29	36
<i>Asimina triloba</i>	1.32	39	4.8	21
<i>Asimina triloba</i>	2.1	7	2.1	57
<i>Asimina triloba</i>	0.59	10	5.04	46
	119.35			