

Comparison of groundlayer Species Richness and Floristic Quality Indices among high quality maple, red oak, and white oak stands sampled in 1996 along original INAI woody vegetation transects. ANOVA tests hypotheses of no significant difference among stands for each column variable.

Maple-dominated	Total		Plot		Species	Native	NRI/ SRI	Mean C	FQI
	Native	Alien	species	species	Richness	Richness			
	<u>Richness</u>	<u>Richness</u>	<u>Richness</u>	<u>Richness</u>	<u>Index</u>	<u>Index</u>			
Maple Grove	39.00	1.00	5.38	5.24	19.85	19.20	0.97	4.23	26.42
Pilcher Park	29.00	2.00	6.00	5.70	20.60	19.19	0.93	4.17	22.46
G. L. Lloyd Woods	29.00	1.00	5.65	5.60	19.22	18.86	0.98	4.34	23.37
Ryerson mesic	29.00	1.00	5.00	4.95	17.01	16.67	0.98	3.68	19.82
Johnson's Mnd. (mesic)	26.00	4.00	5.10	4.75	17.35	15.48	0.89	4.60	23.46
Bloom'dale Grove	23.00	4.00	5.60	4.85	18.46	15.21	0.82	3.54	16.98
Morton Arboretum	22.00	1.00	4.70	4.20	14.74	12.98	0.88	3.77	17.68
McCormick (mesic)	19.00	1.00	4.00	3.90	11.98	11.48	0.96	5.10	22.23
Busse Woods (mesic)	10.00	0.00	3.00	3.00	6.91	6.91	1.00	4.90	15.50
River Road	11.00	1.00	2.50	2.35	6.21	5.64	0.91	3.82	12.67
Average	23.70	1.60	4.69	4.45	15.23	14.16	0.93	4.22	20.06
Std. Error	2.64	0.40	0.35	0.33	1.57	1.47	0.02	0.16	1.28

Red oak-dominated	Total		Plot		Species	Native	NRI/ SRI	Mean C	FQI
	Native	Alien	species	species	Richness	Richness			
	<u>Richness</u>	<u>Richness</u>	<u>Richness</u>	<u>Richness</u>	<u>Index</u>	<u>Index</u>			
Raccoon Grove	38.00	0.00	10.39	10.39	37.79	37.79	1.00	4.16	25.64
Messenger (dry-mesic)	41.00	0.00	9.50	9.50	35.28	35.28	1.00	4.49	28.75
Norris Woods	46.00	2.00	7.50	6.45	29.03	24.69	0.85	3.47	23.53
Crabtree	40.00	1.00	6.45	6.25	23.95	23.06	0.96	3.92	24.79
Messenger (mesic)	30.00	1.00	6.76	6.71	23.21	22.82	0.98	4.33	23.72
St. Francis Boys Camp	31.00	2.00	5.82	5.73	20.35	19.68	0.97	4.13	22.99
Busse Woods (dry-mesic)	38.00	1.00	4.15	4.10	15.20	14.91	0.98	3.86	23.79
Paw Paw Woods	10.00	1.00	1.23	1.04	2.95	2.39	0.81	3.60	11.38
Average	34.25	1.00	6.48	6.27	23.47	22.58	0.94	4.00	23.08
Std. Error	3.67	0.25	0.96	0.97	3.70	3.69	0.02	0.12	1.68

White oak-dominated	Total		Plot		Species	Native	NRI/ SRI	Mean C	FQI
	Native	Alien	species	species	Richness	Richness			
	<u>Richness</u>	<u>Richness</u>	<u>Richness</u>	<u>Richness</u>	<u>Index</u>	<u>Index</u>			
Elburn	37.00	3.00	9.25	8.15	34.12	29.43	0.86	3.76	22.87
Johnson's Mnd. (dry-mesic)	39.00	3.00	7.70	7.25	28.78	26.56	0.92	4.06	25.35
McCormick (dry-mesic)	44.00	4.00	7.50	6.70	29.03	25.35	0.87	4.08	27.06
Thorn Creek Woods	43.00	0.00	6.45	6.45	24.26	24.26	1.00	3.77	24.72
MacArthur Woods	41.00	4.00	6.85	5.85	26.08	21.72	0.83	4.28	27.41
Mooseheart Ravine	29.00	4.00	7.25	6.20	25.35	20.88	0.82	3.82	20.57
Herrmann's Woods	30.00	1.00	6.00	5.80	20.60	19.73	0.96	3.73	20.43
Helms Woods	32.00	4.00	6.85	5.45	24.55	18.89	0.77	3.61	20.42
Average	36.88	2.88	7.23	6.48	26.60	23.35	0.88	3.89	23.60
Std. Error	1.95	0.51	0.33	0.29	1.34	1.21	0.03	0.07	0.97

ANOVA	F ratio	5.7	5.53	4.57	3.45	5.9	4.67	2.31	1.55	1.92
	P value	0.0098	0.011	0.0214	0.0488	0.0085	0.0199	0.1219	0.296	0.357

