

Community Sampling Exercise

Community: Snyder-Middleswarth Natural Area



Show me what was sampled.

Results Summary -- All Sampling Techniques

Use another sampling technique with this community.

Start over with a new community.

			1. Area, random or systematic		2. Area, random or systematic		3. Area, haphazard	
Species	Measures	Actual	data	Histogram	data	Histogram	data	Histogram
Eastern Hemlock	Density	469.9	388.0		645.8		456.0	
	Frequency	73.0%	72.0%		88.0%		72.0%	
	Dominance	33.3	28.2		46.4		29.3	
	Relative Density	50.6	51.1		60.8		50.9	
	Relative Frequency	33.8	36.7		39.1		29.5	
	Relative Dominance	44.4	50.8		50.1		44.2	
	Importance Value	42.9	46.2		50.0		41.5	
	Morisita Index	1.89	1.62		1.53		1.65	
Sweet Birch	Density	117.5	72.0		170.8		144.0	
	Frequency	43.0%	40.0%		50.0%		60.0%	
	Dominance	20.2	11.6		30.2		21.5	
	Relative Density	12.7	9.5		16.1		16.1	
	Relative Frequency	19.9	20.4		22.2		24.6	
	Relative Dominance	26.9	20.8		32.6		32.4	
	Importance Value	19.8	16.9		23.6		24.4	
	Morisita Index	2.27	2.12		1.93		1.47	
Yellow Birch	Density	108.9	80.0		91.7		72.0	
	Frequency	31.0%	16.0%		29.0%		32.0%	
	Dominance	8.2	4.9		8.0		5.8	
	Relative Density	11.7	10.5		8.6		8.0	
	Relative Frequency	14.4	8.2		12.9		13.1	
	Relative Dominance	10.9	8.9		8.6		8.8	
	Importance Value	12.3	9.2		10.1		10.0	
	Morisita Index	3.13	5.39		3.12		2.78	
Chestnut Oak	Density	87.5	112.0		20.8		60.0	
	Frequency	26.0%	36.0%		17.0%		24.0%	
	Dominance	5.4	6.2		0.8		1.4	
	Relative Density	9.4	14.7		2.0		6.7	
	Relative Frequency	12.0	18.4		7.6		9.8	
	Relative Dominance	7.2	11.1		0.9		2.2	
	Importance Value	9.5	14.7		3.5		6.2	
	Morisita Index	3.79	2.31		2.40		3.81	
Red Maple	Density	118.9	80.0		100.0		136.0	
	Frequency	33.0%	24.0%		29.0%		40.0%	
	Dominance	6.4	3.8		5.1		7.3	
	Relative Density	12.8	10.5		9.4		15.2	
	Relative Frequency	15.3	12.2		12.9		16.4	
	Relative Dominance	8.5	6.8		5.5		11.0	
	Importance Value	12.2	9.9		9.3		14.2	
	Morisita Index	3.92	6.32		4.70		3.83	
Striped Maple	Density	17.5	28.0		16.7		28.0	
	Frequency	6.0%	8.0%		4.0%		16.0%	
	Dominance	0.7	0.9		0.6		1.0	
	Relative Density	1.9	3.7		1.6		3.1	
	Relative Frequency	2.8	4.1		1.8		6.6	

	Relative Dominance	0.9	1.6	0.75	0.6	0.75	1.4	0.75
	Importance Value	1.8	3.1		1.3		3.7	
	Morisita Index	17.00	10.71		24.00		4.76	
White Pine	Density	8.4	0.0	3	16.7	3	0.0	3
	Frequency	4.0%	0.0%		8.0%		0.0%	
	Dominance	0.9	0.0		1.5		0.0	
	Relative Density	0.9	0.0		1.6		0.0	
	Relative Frequency	1.9	0.0		3.6		0.0	
	Relative Dominance	1.2	0.0		1.6		0.0	
	Importance Value	1.3	0.0		2.2		0.0	
	Morisita Index	16.13	**		12.00		**	
				0.75		0.75		0.75
Shannon-Weiner Diversity		1.5		1.4		1.2		1.4
Estimated time to sample				12 hours, 36 minutes		12 hours, 42 minutes		13 hours, 8 minutes



configuration options

Biology Department,
Bucknell University

Close Window
(and terminate exercise)