

The Susceptibility of Native Grasslands to Woody PI

Abstract

very low often fewer than four species per 10 m plot. In contrast, plots adjacent to red cedar stands had as many as 35 herbaceous species (Briggs, Hoch, and Johnson).” According to

Daubenmire Quadrat Method. The Point-Centered Quarter sampling method measures the approximate density of plant species in the study site. Kevin Mitchell from Hobart and William Smith Colleges says that materials needed are a 100-meter tape to measure a quadrat, a compass and a ruler, a notebook and pencil, a calculator, and a list of random numbers to determine the location of the quadrat.

Figure 9. The densitometer measures percent canopy cover.

Figure 11, below, illustrates the correlation between redcedar numbers and other plant species present.

Figure 11. Effect of Redcedar Density on Understory Cover

density of trees than younger stands. As time progresses the trees gradually turn prairie into

Literature Cited

Briggs, John; Hoch, Greg; Johnson, Loretta. "Assessing the Rate Mechanisms and Consequences of the Conversion of Tallgrass Prairi

Appendix A: PCQM Data

Date:	Transect 1 - K20A	
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		2	Juniperus Virginiana	44.8	13.65504	2.5	6.35
		3	Juniperus Virginiana	32.3	9.84504	1	2.54
		4	Juniperus Virginiana	29.8	9.08304	1.5	

Transect 1 - Randolph

