

Table 5-1. Sedimentary, Diatom and Pollen Descriptions for Sediment Cores D, F, and Top of Core G, Mountain Lake, Virginia. (45cm = 1860 +100 years)								
	DEPTH		Diatom	Diatom notes	#	Dominate diatom species	Pollen	org?
Date	CM	DESCRIPTION (d)	plank/lit ratio		species			
~50bp	5	top organics	3.5, (12.0)	dense, modern fauna	66	S. alpinus, C. stelligera, Fragilaria spp.	h, p, c, g	yes
~100bp	10	top organics	3.5 , 6.4	not dense, not diverse (f)	~10	C. stelligera, T. flocculosa, M. distans	h, p, c, g	yes
	15	brown layered zone	3.1, 5.0	diverse, dense		T. fenestrata, T. flocculosa, C. stelligera	g, c, p	yes
~400bp	17	shale fragments	1.6	a lot of broken pieces	23	M. distans, T. fenestrata	p, g, c	
	20	grey homogenous san	1.3	virtually empty of diatoms			h, p, c, g	yes
	28	layered silty zone	1.5 , 1.9		26	C. stelligera, M. distans	h, c, p	
~900bp	31	shale fragment layer	1.2, 2.3	diverse but abraded	40	C. stelligera, M. distans	p, h, g, c	yes
	34	layered silty zone	1	sparse with fragments			r, g,c	yes
~1200bp	42	shale transition	0.7 , 1.8	abraded some			none	yes
	45	brown silty zone	0.9 , 1.2	many fragments, diverse	28	M. distans, Fragilaria spp.	none	
<b>1860bp</b>	53	layered fibrous zone	1.8	aberrents; very washed out	5	C. stelligera, Fragilaria pinnata	h, p, c	yes
	55	Bottom sandy layer	3.4, 6.6	fragments, broken/abraded		C. stelligera, Fragilaria pinnata	p, h, g, c	yes
				Pollen Abbreviations = h=hardwoods, p=pine, c=compositids, g=grass, r= rhododendron (for more complete listings, see appendix)				

before present)		
<b>sphag?</b>	<b>wood?</b>	<b>shale?</b>
yes (g)		
	yes	yes
yes (f)	yes	
yes (d)		
yes (f)	yes	yes
yes (d, f)	fibre	
yes (d)	fibre	yes